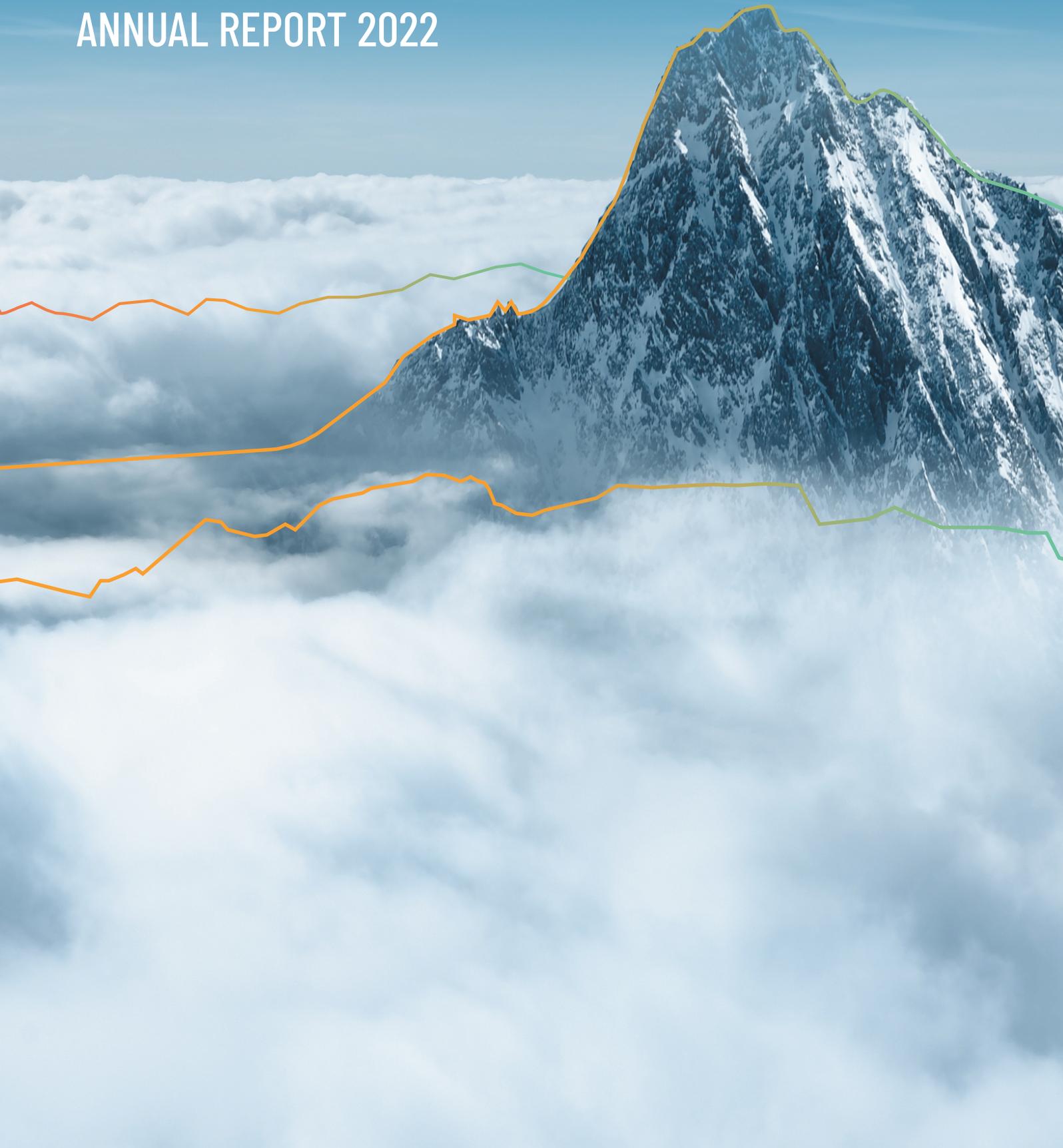




ANNUAL REPORT 2022



SCHEDULE 14A INFORMATION

Proxy Statement Pursuant to Section 14(a) of the Securities Exchange Act of 1934

Filed by the Registrant

Filed by a Party other than the Registrant

Check the appropriate box:

- Preliminary Proxy Statement
- Confidential, for Use of the Commission Only (as permitted by Rule 14a-6(e)(2))
- Definitive Proxy Statement
- Definitive Additional Materials
- Soliciting Material Pursuant to § 240.14a-12

Tenable Holdings, Inc.

(Name of Registrant as Specified In Its Charter)

Payment of Filing Fee (Check the appropriate box)

- No fee required.
- Fee paid previously with preliminary materials.
- Fee computed on table in exhibit required by Item 25(b) per Exchange Act Rules 14a-6(i)(1) and 0-11.

OUR MISSION

WE EMPOWER ALL ORGANIZATIONS TO
UNDERSTAND & REDUCE
THEIR CYBERSECURITY RISK

Core Values



ONE TENABLE

We work together and we win together. We are all part of one Tenable team – employees, customers, partners and stakeholders.



DELIVER RESULTS

We set high goals, take bold risks, measure honestly and deliver results that exceed expectations.



WE CARE

We are committed to our work, our customers, our colleagues and our communities. We speak candidly and always do the right thing.



WHAT WE DO MATTERS

The work we do makes a difference in the world.

NOTICE OF ANNUAL MEETING OF STOCKHOLDERS



WHEN	WHERE	RECORD DATE
Wednesday, May 24, 2023 1:00 pm Eastern Time	Via Webcast https://www.proxydocs.com/TENB	March 30, 2023 Only stockholders of record at the close of business on that date may vote at the Annual Meeting or any adjournment thereof.

ITEMS OF BUSINESS	BOARD VOTING RECOMMENDATION	PAGE REFERENCE
Electing the Board of Directors' nominees, John C. Huffard, Jr., A. Brooke Seawell, and Raymond Vicks, Jr., to the Board of Directors to hold office until the 2026 Annual Meeting of Stockholders.	<input checked="" type="checkbox"/> FOR each director nominee	<u>17</u>
Ratifying the selection by the Audit Committee of the Board of Directors of Ernst & Young LLP as the independent registered public accounting firm of the Company for the year ending December 31, 2023.	<input checked="" type="checkbox"/> FOR	<u>32</u>
Approving, on a non-binding advisory basis, the compensation of the Company's Named Executive Officers as disclosed in this proxy statement.	<input checked="" type="checkbox"/> FOR	<u>34</u>

Conducting any other business properly brought before the Annual Meeting, including any adjournments or postponements of the meeting.

Each of these items of business are more fully described in the Proxy Statement accompanying this notice.

Important Notice Regarding the Availability of Proxy Materials for the Virtual Stockholders' Meeting to Be Held on Wednesday, May 24, 2023 at 1:00 p.m. Eastern Time.

The proxy statement and annual report to shareholders are available at <https://www.proxydocs.com/TENB>.

By Order of the Board of Directors,

Michelle VonderHaar
Chief Legal Officer and Corporate Secretary

Columbia, MD
April 12, 2023

You are cordially invited to attend the virtual annual meeting. Whether or not you expect to attend the meeting, please vote over the telephone or the Internet as instructed in these materials as promptly as possible in order to ensure your representation at the meeting. Even if you have voted by proxy, you may still vote online if you attend the virtual annual meeting. Please note, however, that if your shares are held of record by a broker, bank or other nominee and you wish to vote at the meeting, you must obtain a proxy issued in your name from that record holder.

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To Our Stockholders,

The last year — marked by geopolitical tensions, inflation and a volatile stock market -- has underscored a universal truth for the global economy: an unpredictable world is ripe for exploitation by cyber criminals. Put another way, cybersecurity has never proven to be more vital to our collective prosperity than it is today. That's why Tenable is on a mission to help organizations around the world understand and reduce their cyber risk.

In 2022 we once again delivered on this mandate for all of our key stakeholders: customers, partners, employees and stockholders. We believe that organizations deserve a better and more effective way to stay ahead of cybersecurity risk, rather than fighting it from behind. We launched Tenable One, our Exposure Management Platform, to introduce proactive cyber risk management to the market. This relentless commitment to innovation and our stakeholders-first mindset have allowed us to deliver compelling financial results over the years. And this year was no different. We had one of our best years as a public company and were able to deliver strong growth and profitability despite a challenging macroenvironment. We're capitalizing on our strong performance by continuously innovating across our product portfolio and, in so doing, we are shaping the cybersecurity market and meeting our commitments to our stakeholders.

Our commitment to our customers and partners

Approximately 43,000 organizations trust and rely on Tenable to help understand and reduce their cyber risk. We take that responsibility very seriously. Together with our worldwide ecosystem of leading resellers and distributors, we are helping our customers confidently answer one of the most elemental questions in cybersecurity: "How secure are we?" Chief executives, boards of directors, stockholders, customers and even our own employees ask that question whenever a new attack makes the headlines. Security teams have struggled to make sense of reams of data from the disparate solutions they have used to manage interconnected vulnerabilities, web applications, identity systems and cloud assets. Using Excel to pinpoint which exposures represent the greatest risk to the organization is as absurd as it is ineffective. Tenable One is a cloud-based Exposure Management Platform that is helping customers anticipate and address problems before they can cause damage. Tenable One delivers the richness of our product portfolio — from vulnerability management to cloud security, identity exposure to external attack surface management, and more — in context, helping customers make better decisions based on cyber risk.

Our commitment to our employees

Our people represent our most important resource and we invest in them just as intentionally as we invest in our product initiatives. Customers have told us that our team's dedication to serving, supporting and championing them sets Tenable apart from other companies in the cybersecurity industry. We can think of no higher accolade. We have worked hard to shape Tenable into a premier employer where professionals can meaningfully contribute to the business while building their careers. Our many career development programs, from tuition reimbursement to professional development funds, mentorship and manager development initiatives, help our employees to grow professionally while also supporting organizational goals. Developing and retaining our people means that we are better positioned to serve our customers and support our communities.

Our commitment to our stockholders

Offering independent insight and an outside-in perspective, stockholders play an important role in our business. Accordingly, we regularly engage with our investor community to discuss emerging

trends in the market and how our business is evolving as well as solicit valuable feedback on our performance. Over the course of 2022, stockholders have conveyed to us that consistency – in execution, financial performance, product roadmaps and more – is paramount in a difficult macroenvironment. We believe that Tenable is more than up to meeting that challenge. In 2022, we delivered strong financial results, marked by growth and profitability, despite global economic uncertainty:

- Delivered calculated current billings of \$776.9 million, a 26% increase year-over-year*
- Delivered unlevered free cash flow of \$128.1 million, a 35% increase year-over-year*
- Added a record 2,078 enterprise platform customers

Our commitment to corporate social responsibility

We are not only committed to our work and to our stakeholders, but also to the communities in which we live. Our actions make a difference. We recently published an updated Environmental, Social and Governance (“ESG”) report that includes some of our accomplishments in 2022 and key areas of focus. As part of our commitment to reducing our carbon footprint and to doing our part as good stewards for the planet, we started the process of determining and tracking our scope 1 and 2 greenhouse gas emissions in 2022. We have openly shared our demographic data and even more importantly, we have set diversity achievement goals for the company. We believe that the greater diversity of our employees, partners and customers, breeds a greater diversity of ideas, greater creativity, and better performance. These examples are just a few among the many other initiatives outlined in the report. We continue to regularly survey our employees to better understand from their perspective what we’re doing well and where we can improve. We are excited to be on our ESG journey and look forward to more accomplishments in 2023.

In summary we are really pleased with our resilience and our execution in 2022 and look forward to a successful 2023.

Sincerely,



Amit Yoran
Chairman & CEO

*Refer to the appendix for reconciliations of these non-GAAP measures to comparable GAAP measures.

Business Overview - 2022 Highlights

We are a leading provider of exposure management solutions. Exposure management is an effective discipline for managing, measuring and comparing cybersecurity risk in today's complex IT environments.

In order to be effective, we believe an exposure management platform must extend beyond traditional vulnerability management, which concentrates on the discovery and remediation of publicly disclosed Common Vulnerabilities and Exposures, or CVEs. To be a functional part of an exposure management program, the platform needs to include information about configuration issues, vulnerabilities and attack paths across a spectrum of assets and technologies — including identity solutions, such as Active Directory; cloud configurations and deployments; and web applications.

With these considerations in mind, we launched Tenable One in October 2022. Tenable One unifies a variety of data sources into a single exposure view to help organizations gain visibility, prioritize efforts and communicate cyber risks. Building on our existing products, Tenable One is designed to take advantage of the integrations that already exist with our partners and form the foundation of an exposure management program, alongside the other tools, such as endpoint detection and response, or EDR, and firewalls, and required business processes.

With Tenable One, organizations can translate technical data about assets, vulnerabilities and threats into clear business insights and actionable intelligence for security executives and practitioners. The platform combines broad, industry leading, vulnerability coverage, spanning IT assets, cloud resources, containers, web apps and identity systems. Tenable One builds on the speed and breadth of vulnerability coverage from our research team of cybersecurity and data science experts, or Tenable Research, and adds aggregated exposure view analytics, guidance on mitigating attack pathways and a centralized asset inventory.

Our 2022 highlights were as follows:

- Released Tenable One, our Exposure Management Platform that delivers unified visibility into exposures, identifies attack paths and enables more efficient risk management;
- Ranked number one in Worldwide 2021 market share for device VM by IDC for the fourth consecutive year in their Worldwide Device Vulnerability Market Shares, 2021: The Stakes are High, doc #US48506622 December 2022 report;
- Achieved the Application Security distinction in the Amazon Web Services (AWS) Security Competency for our cloud-native vulnerability management solution;
- Acquired Cymptom and Bit Discovery for \$43.8 million and \$23.0 million, respectively;
- Revenue was \$683.2 million, a 26% increase year-over-year;
- Calculated current billings was \$776.9 million, a 26% increase year-over-year;
- GAAP loss from operations was \$67.8 million, compared to a loss of \$41.8 million in 2021. Non-GAAP income from operations was \$67.7 million, compared to \$51.0 million in 2021;
- GAAP net loss was \$92.2 million, compared to a loss of \$46.7 million in 2021. Non-GAAP net income was \$44.3 million, compared to \$38.9 million in 2021;
- GAAP net loss per share was \$0.83, compared to a loss per share of \$0.44 in 2021. Non-GAAP diluted earnings per share was \$0.38, compared to \$0.34 in 2021; and
- Net cash provided by operating activities was \$131.2 million, compared to \$96.8 million in 2021.
- Unlevered free cash flow was \$128.1 million, an increase of 35% from \$95.2 million in 2021.

Refer to the appendix for reconciliations of non-GAAP measures to comparable GAAP measures.

TENABLE HOLDINGS, INC.

**6100 Merriweather Drive, 12th Floor
Columbia, Maryland 21044**

**PROXY STATEMENT
FOR THE 2023 ANNUAL MEETING OF STOCKHOLDERS
May 24, 2023**

QUESTIONS AND ANSWERS ABOUT THESE PROXY MATERIALS AND VOTING

Why did I receive a notice regarding the availability of proxy materials on the Internet?

Pursuant to rules adopted by the Securities and Exchange Commission (the "SEC"), we have elected to provide access to our proxy materials over the Internet. Accordingly, we have sent you a Notice of Internet Availability of Proxy Materials (the "Notice") because the Board of Directors (the "Board of Directors" or the "Board") of Tenable Holdings, Inc. (sometimes referred to as the "Company" or "Tenable") is soliciting your proxy to vote at the 2023 Annual Meeting of Stockholders, including at any adjournments or postponements of the meeting. All stockholders will have the ability to access the proxy materials on the website referred to in the Notice or request to receive a printed set of the proxy materials. Instructions on how to access the proxy materials over the Internet or to request a printed copy may be found in the Notice.

We intend to mail the Notice on or about April 12, 2023 to all stockholders of record entitled to vote at the Annual Meeting.

Will I receive any other proxy materials by mail?

We may, at our discretion, elect to send you a proxy card. We may also send you a second Notice on or after April 24, 2023.

How do I attend the Annual Meeting?

The Annual Meeting will be a virtual stockholder meeting through which you can listen to the meeting and vote online. The Annual Meeting can be accessed by visiting <https://www.proxydocs.com/TENB> and entering your control number which is included in the proxy materials mailed to you. Upon completing your registration, you will receive further instructions via email, including a unique link that will allow you access to the Annual Meeting. We recommend that you log in a few minutes before the Annual Meeting to ensure that you are logged in when the meeting starts. Online check-in will begin at approximately 12:45 p.m. Eastern time. Information on how to vote online during the Annual Meeting is discussed below.

Stockholders attending the virtual meeting will be afforded the same rights and opportunities to participate as they would at an in-person meeting, however any questions will need to be submitted in advance of the meeting.

Who can vote at the Annual Meeting?

Only stockholders of record at the close of business on March 30, 2023 (the "Record Date") will be entitled to vote at the Annual Meeting. On the Record Date, there were 114,743,345 shares of the Company's common stock outstanding and entitled to vote.

Stockholder of Record: Shares Registered in Your Name

If on March 30, 2023 your shares were registered directly in your name with Tenable's transfer agent, American Stock Transfer & Trust Company, LLC, then you are a stockholder of record with respect to those shares and the Notice was sent directly to you by the Company. As a stockholder of record, you may vote online during the meeting or vote by proxy. Whether or not you plan to attend the Annual Meeting, we urge you to vote by proxy using a proxy card that you may request or that we may elect to deliver at a later time or vote by proxy over the telephone or Internet as instructed below to ensure your vote is counted.

Beneficial Owner: Shares Registered in the Name of a Broker or Bank

If on March 30, 2023 your shares were held, not in your name, but rather in an account at a brokerage firm, bank or other similar organization, then you are the beneficial owner of shares held in "street name" and the Notice is being forwarded to you by that organization. The organization holding your account is considered to be the stockholder of record for purposes of voting at the Annual Meeting. As a beneficial owner, you have the right to direct that organization on how to vote the shares in your account. You will receive instructions from the organization that you must follow in order to submit your voting instructions and have your shares voted at the Annual Meeting. You are also invited to attend the Annual Meeting. However, since you are not the stockholder of record, you may not vote your shares online during the Annual Meeting unless you request and obtain a valid proxy from the organization.

What am I voting on?

There are three matters scheduled for a vote:

- Election of three directors (Proposal 1);
- Ratification of selection by the Audit Committee of the Board of Directors of Ernst & Young LLP as independent registered public accounting firm of the Company for the year ending December 31, 2023 (Proposal 2); and
- Advisory approval, on a non-binding basis, of the compensation of our Named Executive Officers as disclosed in this proxy statement (Proposal 3).

What if another matter is properly brought before the meeting?

The Board of Directors knows of no other matters that will be presented for consideration at the Annual Meeting. If any other matters are properly brought before the meeting, it is the intention of the persons named in the accompanying proxy to vote on those matters in accordance with their best judgment.

How do I vote?

You may either vote "For" all the nominees to the Board of Directors or you may "Withhold" your vote for any nominee you specify. For Proposals 2 and 3, you may vote "For" or "Against" or "Abstain" from voting.

Stockholder of Record: Shares Registered in Your Name

If you are a stockholder of record, you may vote online during the Annual Meeting, vote by proxy using a proxy card that you may request or that we may elect to deliver at a later time, vote by proxy over the telephone or vote by proxy through the Internet. Whether or not you plan to attend the

meeting, we urge you to vote by proxy to ensure your vote is counted. You may still attend the meeting and vote online during the meeting even if you have already voted by proxy.

- To vote online during the meeting, access the Annual Meeting by visiting www.proxypush.com/TENB and entering your control number which is included in the proxy materials mailed to you. Please have your Notice in hand when you access the website and follow the instructions.
- To vote using the proxy card, simply complete, sign and date the proxy card that may be delivered and return it promptly in the envelope provided. If you return your signed proxy card to us before the Annual Meeting, we will vote your shares as you direct.
- To vote over the telephone, dial toll-free 866-230-6244 using a touch-tone phone and follow the recorded instructions. You will be asked to provide the control number from the Notice. To ensure your vote is counted, your telephone vote must be received either prior to the start of the meeting or, if you are attending the meeting, before the polls close during the meeting.
- To vote through the Internet, go to www.proxypush.com/TENB to complete an electronic proxy card. You will be asked to provide the control number from the Notice. To ensure your vote is counted, your Internet vote must be received either prior to the start of the meeting or, if you are attending the meeting, before the polls close during the meeting.

Beneficial Owner: Shares Registered in the Name of Broker or Bank

If you are a beneficial owner of shares registered in the name of your broker, bank or other agent, you should have received a Notice containing voting instructions from that organization rather than from Tenable. Simply follow the voting instructions in the Notice to ensure that your vote is counted. To vote online during the Annual Meeting, you must obtain a valid proxy from your broker, bank or other agent. Follow the instructions from your broker, bank or other agent included with these proxy materials, or contact that organization to request a proxy form.

Internet proxy voting will be provided to allow you to vote your shares online, with procedures designed to ensure the authenticity and correctness of your proxy vote instructions. However, please be aware that you must bear any costs associated with your Internet access, such as usage charges from Internet access providers and telephone companies.

How many votes do I have?

On each matter to be voted upon, you have one vote for each share of common stock you own as of March 30, 2023.

If I am a stockholder of record and I do not vote, or if I return a proxy card or otherwise vote without giving specific voting instructions, what happens?

If you are a stockholder of record and do not vote by completing your proxy card, by telephone, through the Internet or online during the Annual Meeting, your shares will not be voted.

If you return a signed and dated proxy card or otherwise vote without marking voting selections, your shares will be voted, as applicable, "For" the election of all nominees for director, "For" the ratification of Ernst & Young LLP as independent auditors for the year ending December 31, 2023, and "For" the approval of, on a non-binding advisory basis, the compensation of our Named Executive Officers. If any other matter is properly presented at the meeting, your proxy holder (one of the individuals named on your proxy card) will vote your shares using his or her best judgment.

If I am a beneficial owner of shares held in street name and I do not provide my broker or bank with voting instructions, what happens?

If you are a beneficial owner of shares held in street name and you do not instruct your broker, bank or other agent how to vote your shares, your broker, bank or other agent may still be able to vote your shares in its discretion. In this regard, brokers, banks and other securities intermediaries may use their discretion to vote your “uninstructed” shares with respect to matters considered to be “routine” under applicable rules, but not with respect to “non-routine” matters. Proposals 1 and 3 are considered to be “non-routine” under applicable rules, meaning that your broker may not vote your shares on those proposals in the absence of your voting instructions. However, Proposal 2 is considered to be “routine” under applicable rules, meaning that if you do not return voting instructions to your broker by its deadline, your shares may be voted by your broker in its discretion on Proposal 2.

If you are a beneficial owner of shares held in street name, in order to ensure your shares are voted in the way you would prefer, you must provide voting instructions to your broker, bank or other agent by the deadline provided in the materials you receive from your broker, bank or other agent.

Who is paying for this proxy solicitation?

We will pay for the entire cost of soliciting proxies. In addition to these proxy materials, our directors and employees may also solicit proxies in person, by telephone or by other means of communication. Directors and employees will not be paid any additional compensation for soliciting proxies. We may also reimburse brokerage firms, banks and other agents for the cost of forwarding proxy materials to beneficial owners.

What does it mean if I receive more than one Notice?

If you receive more than one Notice, your shares may be registered in more than one name or in different accounts. Please follow the voting instructions on the Notice to ensure that all of your shares are voted.

Can I change my vote after submitting my proxy?

Stockholder of Record: Shares Registered in Your Name

Yes. You can revoke your proxy at any time before the final vote at the Annual Meeting. If you are the record holder of your shares, you may revoke your proxy in any one of the following ways:

- You may submit another properly completed proxy card with a later date.
- You may grant a subsequent proxy by telephone or through the Internet.
- You may send a timely written notice that you are revoking your proxy to Tenable Holdings, Inc., Attention: Corporate Secretary at 6100 Merriweather Drive, 12th Floor, Columbia, Maryland 21044.
- You may attend the Annual Meeting and vote online. Simply attending the Annual Meeting will not, by itself, revoke your proxy.

Your most current proxy card or telephone or Internet proxy is the one that is counted.

Beneficial Owner: Shares Registered in the Name of Broker or Bank

If your shares are held by your broker, bank or other agent, you should follow the instructions provided by your broker, bank or other agent.

When are stockholder proposals and director nominations due for next year's Annual Meeting?

To be considered for inclusion in next year's proxy materials, your proposal must be submitted in writing by December 14, 2023, to 6100 Merriweather Drive, 12th Floor, Columbia, Maryland 21044. If you wish to nominate an individual for election at, or bring business other than through a stockholder proposal before, the 2024 Annual Meeting of Stockholders, you must deliver your notice to our Corporate Secretary at the address above between January 25, 2024 and February 24, 2024. Your notice to the Corporate Secretary must set forth information specified in our bylaws, including your name and address and the class and number of shares of our stock that you beneficially own. In addition to satisfying the foregoing requirements under Tenable's bylaws, to comply with the universal proxy rules, stockholders who intend to solicit proxies in support of director nominees other than Tenable's nominees must provide notice that sets forth the information required by Rule 14a-19(b) under the Securities Exchange Act of 1934, as amended (the "Exchange Act").

If you propose to bring business before an annual meeting of stockholders other than a director nomination, your notice must also include, as to each matter proposed, the following: (1) a brief description of the business desired to be brought before such annual meeting and the reasons for conducting that business at the annual meeting and (2) any material interest you have in that business. If you propose to nominate an individual for election as a director, your notice must also include, as to each person you propose to nominate for election as a director, the following: (1) the name, age, business address and residence address of the person, (2) the principal occupation or employment of the person, (3) the class and number of shares of our stock that are owned of record and beneficially owned by the person, (4) the date or dates on which the shares were acquired and the investment intent of the acquisition; (5) a statement whether such person, if elected, intends to tender, promptly following such person's failure to receive the required vote for election or re-election at the next meeting at which such person would face election or re-election, an irrevocable resignation effective upon acceptance of such resignation by the Board of Directors and (6) any other information concerning the person as would be required to be disclosed in a proxy statement soliciting proxies for the election of that person as a director in an election contest (even if an election contest is not involved), or that is otherwise required to be disclosed pursuant to Section 14 of the Exchange Act, and the rules and regulations promulgated under the Exchange Act, including the person's written consent to being named as a nominee and to serving as a director if elected. We may require any proposed nominee to furnish other information as we may reasonably require to determine the eligibility of the proposed nominee to serve as an independent director or that could be material to a reasonable stockholder's understanding of the independence, or lack of independence, of the proposed nominee.

For more information, and more detailed requirements, please refer to our Amended and Restated Bylaws, filed as Exhibit 3.4 to our Registration Statement on Form S-1 (File No. 333-226002), filed with the SEC on June 29, 2018.

How are votes counted?

Votes will be counted by the inspector of election appointed for the meeting, who will separately count, for Proposal 1, the proposal to elect directors, votes "For," "Withhold" and broker non-votes (described below); for Proposal 2, the proposal to ratify our independent auditors, votes "For,"

“Against” and “Abstain”; and, for Proposal 3, the proposal to approve, on a non-binding advisory basis, the compensation of our Named Executive Officers, “For,” “Against” and “Abstain” and broker non-votes. If you “Abstain” it will be counted towards the vote total for Proposals 2 and 3. For Proposal 2 and 3, it will have the same effect as “Against” votes. Broker non-votes on Proposals 1 and 3 will have no effect and will not be counted toward the vote total for those proposals. We do not expect broker non-votes on Proposal 2.

What are “broker non-votes”?

A "broker non-vote" occurs when your broker submits a proxy for the meeting with respect to "routine" matters but does not vote on "non-routine" matters because you did not provide voting instructions on such "non-routine" matters. These un-voted shares with respect to the "non-routine matters" are counted as “broker non-votes.” Proposals 1 and 3 are considered to be “non-routine” under applicable rules and we therefore expect broker non-votes on these proposals. However, as Proposal 2 is considered “routine” under applicable rules, we do not expect broker non-votes on this proposal.

As a reminder, if you are a beneficial owner of shares held in street name, in order to ensure your shares are voted in the way you would prefer, you must provide voting instructions to your broker, bank or other agent by the deadline provided in the materials you receive from your broker, bank or other agent.

How many votes are needed to approve each proposal?

For Proposal 1, the election of directors, the three nominees receiving the most “For” votes from the holders of shares present online at the meeting or represented by proxy and entitled to vote on the election of directors will be elected. Only votes “For” will affect the outcome. Broker non-votes will have no effect.

To be approved, Proposal 2, ratification of the selection of Ernst & Young LLP as the Company’s independent registered public accounting firm for 2023, must receive “For” votes from the holders of a majority of shares present online at the meeting or represented by proxy and entitled to vote on the matter. If you “Abstain” from voting, it will have the same effect as an “Against” vote. Since brokers have the authority to vote on your behalf with respect to Proposal 2, we do not expect broker non-votes on this proposal.

For Proposal 3, advisory approval of the compensation of our Named Executive Officers will be considered to be approved if it receives "For" votes from the holders of a majority of the shares present online at the meeting or represented by proxy and entitled to vote thereon to be approved. If you “Abstain” from voting, it will have the same effect as an “Against” vote on this proposal. Broker non-votes will have no effect.

What is the quorum requirement?

A quorum of stockholders is necessary to hold a valid meeting. A quorum will be present if stockholders holding at least a majority of the voting power of the outstanding shares entitled to vote are present online at the meeting or represented by proxy. On the Record Date, there were 114,743,345 shares outstanding and entitled to vote. Thus, the holders of 57,371,673 shares must be present online at the meeting or represented by proxy at the meeting to have a quorum.

Abstentions and broker non-votes will be counted towards the quorum requirement. If there is no quorum, the chairperson of the meeting or the holders of a majority of shares present online at the meeting or represented by proxy may adjourn the meeting to another date.

Will a list of record stockholders as of the Record Date be available?

Upon request, a list of our record stockholders as of the close of business on the Record Date will be made available to stockholders. In addition, for the ten days ending the day prior to the Annual Meeting, the list will be available upon request for examination by any stockholder of record for a legally valid purpose. To access the list of record stockholders beginning May 14, 2023 and until the Annual Meeting, stockholders should email David Bartholomew, VP, Deputy General Counsel, at dbartholomew@tenable.com.

How do I ask a question at the Annual Meeting?

Only stockholders of record as of March 30, 2023 may submit questions or comments in advance of the virtual stockholders meeting. If you would like to submit a question or comment, you may do so prior to 5:00 p.m. Eastern Time on May 21, 2023 by following the instructions in your registration documents on <https://www.proxydocs.com/TENB>.

To help ensure that we have a productive and efficient meeting, and in fairness to all stockholders in attendance, you will also find posted our rules of conduct for the Annual Meeting when you log in prior to the start of the Annual Meeting. In accordance with the rules of conduct, we ask that you limit your submission to one brief question or comment that is relevant to the Annual Meeting or our business and that such remarks are respectful of your fellow stockholders and meeting participants. Our management may group submitted questions by topic with a representative question read aloud and answered. In addition, questions may be ruled out of order if they are, among other things, irrelevant to our business, related to pending or threatened litigation, disorderly, repetitious of statements already made, or in furtherance of the speaker's own personal, political or business interests. Questions will be addressed in the "Question and Answer" portion of the Annual Meeting.

What do I do if I have technical difficulties in connection with the Annual Meeting?

If you encounter any difficulties accessing the virtual meeting during the check-in or meeting time, please call the technical support number that will be posted on the Annual Meeting login page. Technical support will be available beginning at approximately 12:00 p.m. Eastern time on May 24, 2023.

How can I find out the results of the voting at the Annual Meeting?

Preliminary voting results will be announced at the Annual Meeting. In addition, final voting results will be published in a current report on Form 8-K that we expect to file within four business days after the Annual Meeting. If final voting results are not available to us in time to file a Form 8-K within four business days after the meeting, we intend to file a Form 8-K to publish preliminary results and, within four business days after the final results are known to us, file an additional Form 8-K to publish the final results.

PROPOSAL 1 ELECTION OF DIRECTORS

Tenable's Board of Directors is divided into three classes and each class has a three-year term. Vacancies on the Board may be filled only by persons elected by a majority of the remaining directors. A director elected by the Board to fill a vacancy in a class, including vacancies created by an increase in the number of directors, shall serve for the remainder of the full term of that class and until the director's successor is duly elected and qualified.

The Board of Directors currently consists of eight members. There are three directors in the class whose term of office expires in 2023. Messrs. Huffard and Seawell were previously elected by Tenable's stockholders. Mr. Vicks was recommended to the Board by a member of senior management, nominated by the Nominating and Corporate Governance Committee, and elected by the Board to fill a vacancy. If elected at the Annual Meeting, each of these nominees would serve until the 2026 Annual Meeting of Stockholders and until their successor has been duly elected and qualified, or, if sooner, until the director's death, resignation or removal. It is the Company's policy to invite and encourage directors and nominees for director to attend each annual meeting of stockholders. In 2022, all of our then-serving directors attended the Annual Meeting.

Directors are elected by a plurality of the votes of the holders of shares present online at the meeting or represented by proxy and entitled to vote on the election of directors. Accordingly, the three nominees receiving the highest number of affirmative votes will be elected. Shares represented by executed proxies will be voted, if authority to do so is not withheld, for the election of the three nominees named below. If any nominee becomes unavailable for election as a result of an unexpected occurrence, shares that would have been voted for that nominee will instead be voted for the election of a substitute nominee proposed by the Board. Each person nominated for election has agreed to serve if elected. The Company's management has no reason to believe that any nominee will be unable to serve.

The following table includes diversity information regarding our directors as of March 30, 2023:

	Female	Male
Total Number of Directors	8	
Part I: Gender Identity		
Directors	2	6
Part II: Demographic Background		
African American or Black	0	1
White	2	5

Our Board Diversity Matrix as of March 31, 2022 can be found in our proxy statement for the 2022 Annual Meeting filed with the SEC on April 13, 2022.

CLASS II NOMINEES FOR ELECTION FOR A THREE-YEAR TERM EXPIRING AT THE 2026 ANNUAL MEETING

The following is a brief biography of each nominee for director and a discussion of the specific experience, qualifications, attributes or skills of each nominee that led the Nominating and Corporate Governance Committee of the Board of Directors to recommend that person as a nominee for director, as of the date of this proxy statement.

The Nominating and Corporate Governance Committee seeks to assemble a board of directors that, as a whole, possesses the appropriate balance of professional and industry knowledge, financial expertise and high-level management experience necessary to oversee and direct the Company's business. To that end, the Committee has identified and evaluated nominees in the broader context of the Board's overall composition, with the goal of recruiting members who complement and strengthen the skills of other members and who also exhibit integrity, collegiality, sound business judgment and other qualities that the Committee views as critical to the effective functioning of the Board. To provide a mix of experience and perspective on the Board, the Committee also takes into account gender, age, and ethnic diversity. The brief biographies below include information, as of the date of this proxy statement, regarding the specific and particular experience, qualifications, attributes or skills of each director or nominee that led the Committee to believe that that nominee should continue to serve on the Board.



John C. Huffard, Jr., age 55

John C. Huffard, Jr. has served as a member of our Board of Directors since 2002. Mr. Huffard served as our Chief Operating Officer from May 2018 through December 2019. Prior to that, he served as our President and Chief Operating Officer from November 2008 to May 2018, and he co-founded our company in 2002. Mr. Huffard has also served as a member of the board of directors of Norfolk Southern Corporation since February 2020. Mr. Huffard received a B.S.B.A. from Washington and Lee University and an M.B.A. from Babson College. Our Board of Directors believes that Mr. Huffard is qualified to serve as a director based on his in-depth knowledge of our company and our products due to his role as our co-founder and subsequent role as our Chief Operating Officer.



A. Brooke Seawell, age 75

A. Brooke Seawell has served as a member of our Board of Directors since October 2017. Mr. Seawell is a Venture Partner at New Enterprise Associates Inc., a position he has held since January 2005. Mr. Seawell has served on the board of directors of NVIDIA Corporation, a visual computing company, since December 1997. He previously served on the board of directors of Eargo, Inc., a medical device company, from September 2020 to December 2022, and Tableau Software, Inc., a business intelligence software company, from November 2011 to August 2019. Mr. Seawell received both a B.A. in Economics and an M.B.A. in Finance from Stanford University. Our Board of Directors believes that Mr. Seawell is qualified to serve as a director based on his extensive experience in technology finance and operations, including having served as the chief financial officer of two public companies and his experience as a director of public technology companies.



Raymond Vicks, Jr., age 63

Raymond Vicks, Jr. has served as a member of our Board of Directors since January 2022. Mr. Vicks has served on the Board of Directors of Bowman Consulting Group Ltd since May 2022. Mr. Vicks previously served as Managing Partner at the BMV Group, a position he held from August 2015 until his retirement in 2019. Concurrent with that role, Mr. Vicks also served as the Chief Financial Officer of the HSC Health Care System from 2015 to 2018. Prior to that, Mr. Vicks served in roles of increasing responsibility at PricewaterhouseCoopers LLP from 1995 to 2014, where at the time of his departure, he was a Partner. Mr. Vicks is a Certified Public Accountant and received a B.S. in accounting from Virginia Tech. Our Board of Directors believes that Mr. Vicks is qualified to serve as a director based on his based on his extensive public accounting and management experience.

THE BOARD OF DIRECTORS RECOMMENDS A VOTE IN FAVOR OF EACH NAMED NOMINEE.

DIRECTORS CONTINUING IN OFFICE UNTIL THE 2024 ANNUAL MEETING



Arthur W. Coviello, Jr., age 69

Arthur W. Coviello, Jr. has served as a member of our Board of Directors since February 2018 and as our Lead Independent Director since February 2022. Mr. Coviello has served as Managing Partner of Syn Ventures, a venture capital fund, since June 2021. Mr. Coviello has served on the Board of Directors of Synchrony Financial since November 2015. Mr. Coviello was previously a venture partner at Rally Ventures, LLC, a position he held from May 2015 to July 2022, and previously was on the boards of directors of FireEye/Mandiant, Inc. from December 2020 to October 2022, and Epiphany Technology Acquisition Corp. from November 2020 to January 2023. Mr. Coviello received a B.B.A. with a concentration in Accounting from the University of Massachusetts. Our Board of Directors believes that Mr. Coviello is qualified to serve as a director based on his extensive security industry and management experience and his experience as a director of public technology companies.



George Alexander Tosheff, age 56

George Alexander Tosheff has served as a member of our Board of Directors since September 2022. Mr. Tosheff has served as Senior Vice President, Chief Security Officer of VMware, Inc. since February 2022 following his promotion from Vice President, Chief Security Officer, a position he held since 2014. Mr. Tosheff served as a member of our Customer Advisory Board from 2017 until September 2022. Mr. Tosheff received a B.S. in Physics from California State University. Our Board of Directors believes that Mr. Tosheff is qualified to serve as a director based on his extensive cybersecurity expertise and management experience.

DIRECTORS CONTINUING IN OFFICE UNTIL THE 2025 ANNUAL MEETING



Amit Yoran, age 52

Amit Yoran has served as our Chief Executive Officer and Chairman since December 2016 and was appointed as our President, in addition to Chief Executive Officer and Chairman, in May 2018. Mr. Yoran has served on the Board of Directors of BlackLine Systems, Inc., an enterprise software company, since January 2023. Prior to joining Tenable, Mr. Yoran served as President of RSA Solutions, Inc. from October 2014 to December 2016. Mr. Yoran received a B.S. in Computer Science from the United States Military Academy at West Point and an M.S. in Computer Science from George Washington University. Our Board of Directors believes that Mr. Yoran is qualified to serve as a director based on his role as our Chief Executive Officer and his extensive management experience in the technology and security industries.



Niloofar Razi Howe, age 54

Niloofar Razi Howe has served as a member of our Board of Directors since May 2021. Ms. Howe has served as a Senior Operating Partner at Energy Impact Partners, a venture capital fund since 2019. Ms. Howe previously served as Chief Strategy Officer and Senior Vice President of Strategy and Operations at RSA, a global cybersecurity company, from 2015 to 2018. Ms. Howe has served on the Board of Directors of Composecure, Inc. since December 2021. Ms. Howe also currently serves on the board of directors of a number of private technology companies. Ms. Howe received a B.A. in English Literature from Columbia College and holds a Juris Doctor degree from Harvard Law School. Our Board of Directors believes that Ms. Howe is qualified as a director based on her extensive cybersecurity and management experience and her experience as a director of technology companies.



Linda Zecher Higgins, age 69

Linda Zecher Higgins has served as a member of our Board of Directors since August 2019. Ms. Higgins is the Chief Executive Officer and Managing Partner of the Barkley Group, a consulting firm focused on effective digital transformation, and has held such positions since January 2017. Ms. Higgins has served as a member of the board of directors of Hasbro, Inc. since October 2014 and C5 Acquisition Corp since January 2022. Ms. Higgins also served as the Corporate Vice President, Worldwide Public Sector of Microsoft Corporation from 2003 to 2011. Ms. Higgins received a B.S. in Earth Science from The Ohio State University. Our Board of Directors believes that Ms. Higgins is qualified to serve as a director based on her extensive management experience with technology companies and her experience as a director of public companies.

INFORMATION REGARDING THE BOARD OF DIRECTORS AND CORPORATE GOVERNANCE

Independence of the Board of Directors

As required under the Nasdaq Stock Market (“Nasdaq”) listing standards, a majority of the members of a listed company’s Board of Directors must qualify as “independent,” as affirmatively determined by the Board of Directors. The Board consults with the Company’s counsel to ensure that the Board’s determinations are consistent with relevant securities and other laws and regulations regarding the definition of “independent,” including those set forth in pertinent listing standards of Nasdaq, as in effect from time to time.

Consistent with these considerations, after review of all relevant identified transactions or relationships between each director, or any of his or her family members, and the Company, its senior management and its independent registered public accounting firm, the Board has affirmatively determined that the following seven of our current directors are independent directors within the meaning of the applicable Nasdaq listing standards: Arthur W. Coviello, Jr., John C. Huffard, Jr., George Alexander Tosheff, Niloofar Razi Howe, A. Brooke Seawell, Raymond Vicks, Jr., and Linda Zecher Higgins. The Board determined that Mr. Richard Wells, who resigned from the Board of Directors in January 2022, Ms. Kimberly Hammonds, who passed away on June 28, 2022, and Jerry M. Kennelly, who retired in September 2022, were each independent while they served on the Board. In making this determination, the Board found that none of these directors or nominees for director had a material or other disqualifying relationship with the Company.

Board Leadership Structure

Our Board of Directors is currently chaired by Mr. Yoran, our Chief Executive Officer. The Board believes that combining the positions of Chief Executive Officer and Board Chair helps to ensure that the Board and management act with a common purpose and provides a single, clear chain of command to execute Tenable’s strategic initiatives and business plans. In addition, the Board believes that a combined Chief Executive Officer/Board Chair is better positioned to act as a bridge between management and the Board, facilitating the regular flow of information. The Board also believes that it is advantageous to have a Board Chair with significant history with and extensive knowledge of Tenable (as is the case with Mr. Yoran).

The Board has also appointed Mr. Coviello as lead independent director in order to help reinforce the independence of the Board as a whole. The position of lead independent director has been structured to serve as an effective balance to Mr. Yoran’s leadership as our combined Chief Executive Officer and Board Chair. The lead independent director is empowered to, among other duties and responsibilities, work with the Chief Executive Officer and Board Chair to develop and approve an appropriate Board meeting schedule and Board meeting agendas; provide the Chief Executive Officer and Board Chair feedback on the quality, quantity, and timeliness of the information provided to the Board; develop the agenda and moderate executive sessions of the independent members of the Board; preside over Board meetings when the Chief Executive Officer and Board Chair is not present or when Board or Chief Executive Officer performance or compensation is discussed; act as principal liaison between the independent members of the Board and Chief Executive Officer and Board Chair; convene meetings of the independent directors as appropriate; and perform such other duties as may be established or delegated by the Board. As a result, the Company believes that the lead independent director can help ensure the effective independent functioning of the Board in its oversight responsibilities.

Role of the Board in Risk Oversight

One of the Board's key functions is informed oversight of Tenable's risk management process. The Board does not have a standing risk management committee, but rather administers this oversight function directly through the Board as a whole, as well as through various Board standing committees that address risks inherent in their respective areas of oversight. In particular, our Board is responsible for monitoring and assessing strategic risk exposure, including a determination of the nature and level of risk appropriate for the Company.

Our Audit Committee has the responsibility to consider and discuss our major financial risk exposures and the steps our management has taken to monitor and control these exposures, including guidelines and policies to govern the process by which risk assessment and management is undertaken. The Audit Committee also monitors compliance with legal and regulatory requirements, in addition to oversight of the performance of our internal audit function.

Our Nominating and Corporate Governance Committee monitors the effectiveness of our corporate governance guidelines, including whether they are successful in preventing illegal or improper liability-creating conduct.

Our Compensation Committee assesses and monitors whether any of our compensation policies and programs has the potential to encourage excessive risk-taking.

Our Cybersecurity Risk Management Committee assists the Board in fulfilling its oversight responsibility with respect to the management of risks related to our information technology use and protection, cybersecurity, and product security.

Typically, the entire Board meets with members of management responsible for risk management at least annually, and the applicable Board committees meet at least annually with the employees responsible for risk management in the committees' respective areas of oversight. Both the Board as a whole and the various standing committees receive periodic reports from members of management responsible for risk management, as well as incidental reports as matters may arise. It is the responsibility of the committee chairs to report findings regarding material risk exposures to the Board as quickly as possible.

Meetings of the Board of Directors

The Board of Directors met four times during 2022. All directors except Mr. Tosheff, who joined our Board of Directors in September 2022, attended at least 75% of the aggregate number of meetings of the Board and of each of the committees on which they served, held during the portion of the last year for which they were directors or committee members, respectively. Mr. Tosheff was unable to attend one of the two Audit Committee meetings held during his tenure on the Board in 2022 due to a pre-existing conflict.

Information Regarding Committees of the Board of Directors

The Board has four committees: an Audit Committee, a Compensation Committee, a Cybersecurity Risk Management Committee, and a Nominating and Corporate Governance Committee. The following table provides the current membership of each of the Board committees,

and identifies the chairperson of each committee and the number of committee meetings held in 2022:

Name	Audit	Compensation	Cybersecurity Risk Management	Nominating and Corporate Governance
Arthur W. Coviello, Jr.				X*
John C. Huffard, Jr.			X*	
Linda Zecher Higgins		X*		X
Niloofar Razi Howe		X		
A. Brooke Seawell	X*			
George Alexander Tosheff ⁽¹⁾	X		X	
Raymond Vicks, Jr. ⁽²⁾	X			
Total meetings in 2022	8	4	0 ⁽³⁾	4

* Committee Chairperson

(1) Mr. Tosheff joined the Board in September 2022.

(2) Mr. Vicks joined the Board in January 2022.

(3) The first meeting of the Cybersecurity Risk Management Committee was held on February 22, 2023. The Cybersecurity Risk Management Committee was formerly a subcommittee of the Audit Committee beginning in 2017.

Below is a description of each committee of the Board of Directors. Each of the committees has the authority to engage legal counsel or other experts or consultants, as it deems appropriate to carry out its responsibilities. The Board of Directors has determined that each member of each committee meets the applicable Nasdaq rules and regulations regarding "independence" and each member is free of any relationship that would impair his or her individual exercise of independent judgment with regard to the Company.

Audit Committee

The Audit Committee of the Board of Directors was established by the Board in accordance with Section 3(a)(58)(A) of the Exchange Act to oversee the Company's corporate accounting and financial reporting processes and audits of its financial statements. For this purpose, the Audit Committee performs several functions. The principal duties and responsibilities of our audit committee include, among other things:

- selecting a qualified firm to serve as the independent registered public accounting firm to audit our financial statements;
- approving (or, as permitted, pre-approving) all audit and all permissible non-audit services to be performed by the independent registered public accounting firm;
- helping to ensure the independence and performance of the independent registered public accounting firm;
- obtaining and reviewing a report by the independent registered public accounting firm at least annually, that describes its internal quality-control procedures, any material issues with such procedures, and any steps taken to deal with such issues when required by applicable law;
- discussing the scope and results of the audit with the independent registered public accounting firm, and reviewing, with management and the independent registered public accounting firm, our interim and year-end operating results, including a review of our disclosures under "Management's Discussion and Analysis of Financial Condition and Results of Operations";

- reviewing our policies on risk assessment and risk management;
- overseeing the organization and performance of the Company's internal audit function;
- developing procedures for employees to submit concerns anonymously about questionable accounting or audit matters;
- reviewing related party transactions; and
- meeting in executive session with management and the Company's independent registered public accountants.

The Audit Committee is currently composed of three directors: A. Brooke Seawell, George Alexander Tosheff, and Raymond Vicks, Jr. Arthur Coviello served as a member of the Audit Committee until January 2022. Kimberly Hammonds served as a member of the Audit Committee until June 2022. The Audit Committee met eight times during 2022. The Board has adopted a written Audit Committee charter that is available to stockholders on our website at www.tenable.com.

The Board of Directors reviews the Nasdaq listing standards definition of independence for Audit Committee members on an annual basis and has determined that all members of the Company's Audit Committee are independent (as independence is currently defined in Rule 5605(c)(2)(A)(i) and (ii) of the Nasdaq listing rules).

The Board of Directors has also determined that Messrs. Vicks and Seawell each qualifies as an "audit committee financial expert," as defined in applicable SEC rules. The Board made a qualitative assessment of Messrs. Vicks and Seawell's level of knowledge and experience based on a number of factors, including their formal education, Mr. Seawell's experience as a chief financial officer of public reporting companies and Mr. Vicks' public accounting experience.

Report of the Audit Committee of the Board of Directors*

The Audit Committee has reviewed and discussed the audited financial statements for the year ended December 31, 2022 with management of the Company. The Audit Committee has discussed with the independent registered public accounting firm the matters required to be discussed by the applicable requirements of the Public Company Accounting Oversight Board ("PCAOB") and SEC. The Audit Committee has also received the written disclosures and the letter from the independent registered public accounting firm required by applicable requirements of the PCAOB regarding the independent registered public accounting firm's communications with the audit committee concerning independence, and has discussed with the independent registered public accounting firm the accounting firm's independence. Based on the foregoing, the Audit Committee has recommended to the Board of Directors that the audited financial statements be included in the Company's Annual Report on Form 10-K for the year ended December 31, 2022.

A. Brooke Seawell, Chair
George Alexander Tosheff
Raymond Vicks, Jr.

**The material in this report is not "soliciting material," is not deemed "filed" with the Commission and is not to be incorporated by reference in any filing of the Company under the Securities Act or the Exchange Act, whether made before or after the date hereof and irrespective of any general incorporation language in any such filing.*

Compensation Committee

The Compensation Committee of the Board of Directors acts on behalf of the Board to review, modify and oversee the Company's compensation strategy, policies, plans and programs, including:

- establishment of corporate and individual performance objectives relevant to the compensation of our executive officers, directors and other senior management and evaluation of performance in light of these stated objectives;
- review and approve the compensation and other terms of employment or service, including severance and change-in-control arrangements, of our Chief Executive Officer, the other executive officers and other senior management;
- review and recommend to the Board for approval the type and amount of compensation to be paid or awarded to our directors; and
- administration of our equity compensation plans, bonus plans, benefit plans and other similar plans and programs.

The Compensation Committee is currently composed of two directors: Linda Zecher Higgins and Niloofar Razi Howe. Jerry M. Kennelly ceased being a member of the Compensation Committee in September 2022 in connection with his retirement. All members of the Company's Compensation Committee are independent (as independence is currently defined in Rule 5605(d)(2) of the Nasdaq listing rules). The Compensation Committee met four times during 2022. The Board has adopted a written Compensation Committee charter that is available to stockholders on our website at www.tenable.com.

Compensation Committee Processes and Procedures

Typically, the Compensation Committee meets quarterly and with greater frequency when necessary. The agenda for each meeting is usually developed by the Chair of the Compensation Committee, in consultation with the Chief Executive Officer, Chief People Officer and Compensia, Inc. ("Compensia"), the compensation consultant engaged by the Compensation Committee. The Compensation Committee meets regularly in executive session. In addition to our Chief Executive Officer, our Chief People Officer and our General Counsel also regularly attend meetings at the invitation of the Compensation Committee and take part in discussions about executive compensation. From time to time, various members of management and other employees as well as outside advisors or consultants may be invited by the Compensation Committee to make presentations, to provide financial or other background information or advice or to otherwise participate in Compensation Committee meetings. The Chief Executive Officer may not participate in, or be present during, any deliberations or determinations of the Compensation Committee regarding his compensation or individual performance objectives. The charter of the Compensation Committee grants the Compensation Committee full access to all books, records, facilities and personnel of the Company. In addition, under its charter, the Compensation Committee has the authority to obtain, at the expense of the Company, advice and assistance from compensation consultants and internal and external legal, accounting or other advisors and other external resources that the Compensation Committee considers necessary or appropriate in the performance of its duties. The Compensation Committee has direct responsibility for the oversight of the work of any consultants or advisers engaged for the purpose of advising the Committee. In particular, the Compensation Committee has the sole authority to retain, in its sole discretion, compensation consultants to assist in its evaluation of executive and director compensation, including the authority to approve the consultant's reasonable fees and other retention terms. Under the charter, the Compensation Committee may select, or receive advice from, a compensation consultant, legal counsel or other adviser to the compensation committee, other than in-house legal counsel and certain other types of advisers, only

after taking into consideration six factors, prescribed by the SEC and Nasdaq, that bear upon the adviser's independence; however, there is no requirement that any adviser be independent.

During the past calendar year, after taking into consideration the six factors prescribed by the SEC and Nasdaq described above, the Compensation Committee retained Compensia as its compensation consultant. Our Compensation Committee identified Compensia based on Compensia's general reputation in the industry. The Compensation Committee requested that Compensia:

- evaluate the efficacy of the Company's existing compensation strategy and practices in supporting and reinforcing the Company's long-term strategic goals; and
- assist in refining the Company's compensation strategy and in developing and implementing an executive compensation program to execute that strategy.

As part of its engagement, Compensia was requested by the Compensation Committee to review and update the group of companies that we use for comparative purposes and to perform an analysis of competitive performance and compensation levels for that group. The specific determinations of the Compensation Committee with respect to executive compensation for the year ended December 31, 2022, as well as the role of the compensation consultant in assisting with those determinations, are described in greater detail in the "Compensation Discussion and Analysis" section of this proxy statement.

Under its charter, the Compensation Committee may form, and delegate authority to, subcommittees as appropriate. In 2021, the Compensation Committee delegated authority to Mr. Yoran, in his capacity as our Chief Executive Officer and Chairman, to grant, without any further action required by the Compensation Committee, stock awards to certain employees who are not officers of the Company, up to and including employees at the senior vice president level. The purpose of this delegation of authority is to enhance the flexibility of equity award administration within the Company and to facilitate the timely grant of stock awards to non-management employees, particularly new employees and promoted employees, within specified limits approved by the Compensation Committee. The number of shares underlying awards approved by Mr. Yoran for (i) new hire, annual and promotion awards, are subject to maximum limits based on a targeted market range of share value and other parameters for each recipient's classification as set forth in guidelines approved by the Compensation Committee from time to time and (ii) for certain merit awards, subject to a pre-approved maximum aggregate number of shares. Typically, as part of its oversight function, the Compensation Committee reviews on a quarterly basis the list of grants made by Mr. Yoran. During 2022, Mr. Yoran exercised his authority to grant a total of 1,078,940 restricted stock units ("RSUs") to qualifying employees. No other equity awards were granted pursuant to Mr. Yoran's authority during 2022.

The Compensation Committee typically makes adjustments to annual compensation, approves changes to the key financial metric targets and formulas used to determine annual bonus payments, approves additional equity awards and establishes new performance objectives at one or more meetings held during the first quarter of the year. However, the Compensation Committee also considers matters related to individual compensation, such as compensation for new executive hires, as well as high-level strategic issues, such as the efficacy of the Company's compensation strategy, potential modifications to that strategy and new trends, plans or approaches to compensation, at various meetings throughout the year. Generally, the Compensation Committee's process comprises two related elements: the determination of compensation levels and the establishment of performance objectives for the current year. For executives other than the Chief Executive Officer, the Compensation Committee solicits and considers evaluations and recommendations submitted to the Committee by the Chief Executive Officer. In the case of the Chief Executive Officer, the evaluation of his performance is conducted by the Compensation Committee, which determines any adjustments to

his compensation as well as awards to be granted. For all executives and directors as part of its deliberations, the Compensation Committee may review and consider, as appropriate, materials such as financial reports and projections, operational data, tax and accounting information, tally sheets that set forth the total compensation that may become payable to executives in various hypothetical scenarios, executive and director stock ownership information, company stock performance data, analyses of historical executive compensation levels and current company-wide compensation levels and recommendations of the Compensation Committee's compensation consultant, including analyses of executive and director compensation paid at other companies identified by the consultant.

Compensation Committee Interlocks and Insider Participation

None of the current members of our Compensation Committee has ever been an executive officer or employee of ours. None of our executive officers currently serve, or has served during the last completed year, on the compensation committee or board of directors of any other entity that has one or more executive officers serving as a member of our Board of Directors or Compensation Committee.

Report of the Compensation Committee of the Board of Directors*

The Compensation Committee has reviewed and discussed with management the Compensation Discussion and Analysis ("CD&A") contained in this proxy statement. Based on this review and discussion, the Compensation Committee has recommended to the Board of Directors that the CD&A be included in this proxy statement and incorporated into the Company's Annual Report on Form 10-K for the year ended December 31, 2022.

Linda Zecher Higgins, Chair
Niloofer Razi Howe

**The material in this report is not "soliciting material," is furnished to, but not deemed "filed" with, the Commission and is not deemed to be incorporated by reference in any filing of the Company under the Securities Act or the Exchange Act, other than the Company's Annual Report on Form 10-K, where it shall be deemed to be "furnished," whether made before or after the date hereof and irrespective of any general incorporation language in any such filing.*

Nominating and Corporate Governance Committee

The Nominating and Corporate Governance Committee of the Board of Directors is responsible for identifying, reviewing and evaluating candidates to serve as directors of the Company (consistent with criteria approved by the Board), reviewing and evaluating incumbent directors, recommending to the Board for selection candidates for election to the Board of Directors, making recommendations to the Board regarding the membership of the committees of the Board, assessing the performance of management and the Board, and developing a set of corporate governance principles for the Company.

The Nominating and Corporate Governance Committee is currently composed of two directors: Arthur W. Coviello, Jr., and Linda Zecher Higgins. Kimberly Hammonds served as a member of the Nominating and Corporate Governance Committee until June 2022. All members of the Nominating and Corporate Governance Committee are independent (as independence is currently defined in Rule 5605(a)(2) of the Nasdaq listing rules). The Nominating and Corporate Governance Committee met four times during 2022. The Board has adopted a written Nominating and Corporate Governance Committee charter that is available to stockholders on our website at www.tenable.com.

The Nominating and Corporate Governance Committee believes that candidates for director should have certain minimum qualifications, including the ability to read and understand basic financial statements and having the highest personal integrity and ethics. The Nominating and Corporate Governance Committee also intends to consider such factors as possessing relevant expertise upon which to be able to offer advice and guidance to management, having sufficient time to devote to the affairs of the Company, demonstrated excellence in his or her field, having the ability to exercise sound business judgment and having the commitment to rigorously represent the long-term interests of the Company's stockholders. However, the Nominating and Corporate Governance Committee retains the right to modify these qualifications from time to time. Board diversity and inclusion is critical to Tenable's success. Candidates for director nominees are reviewed in the context of the current composition of the Board, the operating requirements of the Company and the long-term interests of stockholders. In conducting this assessment, the Nominating and Corporate Governance Committee typically considers diversity (including gender, racial and ethnic diversity), age, skills and such other factors as it deems appropriate, given the current needs of the Board and the Company, to maintain a balance of knowledge, experience and capability.

The Nominating and Corporate Governance Committee appreciates the value of thoughtful Board refreshment, and regularly identifies and considers qualities, skills and other director attributes that would enhance the composition of the Board. In the case of incumbent directors whose terms of office are set to expire, the Nominating and Corporate Governance Committee will review these directors' overall service to the Company during their terms, including the number of meetings attended, level of participation, quality of performance and any other relationships and transactions that might impair the directors' independence. The Committee also takes into account the results of the Board's self-evaluation, conducted by outside counsel annually on a group and individual basis. In the case of new director candidates, the Nominating and Corporate Governance Committee also determines whether the nominee is independent for Nasdaq purposes, which determination is based upon applicable Nasdaq listing standards, applicable SEC rules and regulations and the advice of counsel, if necessary. The Nominating and Corporate Governance Committee then uses its network of contacts to compile a list of potential candidates, but also engages professional search firms from time to time to assist in identifying potential candidates. The Nominating and Corporate Governance Committee conducts any appropriate and necessary inquiries into the backgrounds and qualifications of possible candidates after considering the function and needs of the Board. The Nominating and Corporate Governance Committee meets to discuss and consider the candidates' qualifications and then selects a nominee for recommendation to the Board by majority vote.

The Nominating and Corporate Governance Committee will consider director candidates recommended by stockholders. The Nominating and Corporate Governance Committee does not intend to alter the manner in which it evaluates candidates, including the minimum criteria set forth above, based on whether or not the candidate was recommended by a stockholder. Stockholders who wish to recommend individuals for consideration by the Nominating and Corporate Governance Committee to become nominees for election to the Board may do so by delivering a written recommendation to the Nominating and Corporate Governance Committee at the following address: Tenable Holdings, Inc., Attention: Corporate Secretary, 6100 Merriweather Drive, 12th Floor, Columbia, Maryland 21044, at least 90 days, but not more than 120 days prior to the anniversary date of the preceding year's annual meeting of stockholders. Submissions must include the name and address of the stockholder on whose behalf the submission is made, the number of shares of Tenable stock owned beneficially by such stockholder on the date of the submission, the full name of the proposed nominee, a description of the proposed nominee's business experience for at least the previous five years, complete biographical information and a description of the proposed nominee's qualifications as a director. Any submission must be accompanied by the written consent of the proposed nominee to be named as a nominee and to serve as a director if elected.

Cybersecurity Risk Management Committee

The Cybersecurity Risk Management Committee of the Board of Directors was established by the Board in November 2022 and assists the Board in fulfilling its oversight responsibility with respect to the management of risks related to the Company's information technology use and protection, cybersecurity, and product security. The Cybersecurity Risk Management Committee is responsible for oversight of the Company's:

- quality and effectiveness of the policies and procedures governing information technology and network systems, including relating to data governance, incident response procedures and disaster recovery capabilities, and product security;
- technology senior management teams' priorities for its information technology and engineering security functions;
- management of compliance risks and audits related to its information technology and network systems;
- internal access controls and audits relating to cyber and information security;
- disclosures in SEC filings related to its information technology and network systems; and
- cyber insurance policies and coverage.

The Cybersecurity Risk Management Committee is currently composed of two directors: John C. Huffard, Jr. and George Alexander Tosheff. All members of the Cybersecurity Risk Management Committee are independent (as independence is currently defined in Rule 5605(a)(2) of the Nasdaq listing rules). The Cybersecurity Risk Management Committee was formerly a subcommittee of the Audit Committee. The Cybersecurity Risk Management Committee was established in November 2022 and did not formally have a meeting for the remainder of the year ended December 31, 2022. The Board has adopted a written Cybersecurity Risk Management Committee charter that is available to stockholders on our website at www.tenable.com.

The Cybersecurity Risk Management Committee will meet quarterly and with greater frequency if necessary. The Cybersecurity Risk Management Committee will meet regularly in executive session. In addition to our Chief Executive Officer, our Chief Security Officer and our General Counsel will regularly attend meetings at the invitation of the Cybersecurity Risk Management Committee. The Cybersecurity Risk Management Committee also has direct access to our Chief Security Officer and evaluates his performance. From time to time, various members of management and other employees as well as outside advisors may be invited by the Cybersecurity Risk Management Committee to brief the committee members on the current threat landscape and cybersecurity efforts. Under its charter, the Cybersecurity Risk Management Committee is granted authority to retain independent advisors and investigate matters brought to its attention.

Stockholder Communications with the Board of Directors

All stockholders and other interested parties are welcome to communicate with our non-management directors through an established process for stockholder communication. For communication directed to our non-management directors, please contact our Corporate Secretary or Legal Department in writing at the address listed below.

Tenable Holdings, Inc.
6100 Merriweather Drive, 12th Floor
Columbia, MD 21044
Attn: Corporate Secretary or Legal Department

Our Corporate Secretary or Legal Department will review all incoming stockholder communications and determine whether the communication should be presented to the Board or the appropriate director or committee. The purpose of this screening is to allow the Board to avoid having to consider irrelevant or inappropriate communications, such as mass mailings, product complaints or inquiries, job inquiries, business solicitations and patently offensive or otherwise inappropriate material. The screening procedures have been approved by a majority of our independent directors. All communications directed to the Audit Committee in accordance with the Company's whistleblower policy that relate to questionable accounting or auditing matters involving the Company will be promptly and directly forwarded to the Audit Committee.

Code of Ethics

We have adopted the Tenable Code of Business Conduct and Ethics that applies to all officers, directors and employees. The Code of Business Conduct and Ethics is available on our website at www.tenable.com. If we make any substantive amendments to the Code of Business Conduct and Ethics or grant any waiver from a provision of the Code to any executive officer or director, we will promptly disclose the nature of the amendment or waiver on our website.

Hedging Policy

Our Insider Trading Policy prohibits our employees, including our executive officers, and the non-employee members of our Board of Directors from engaging in short sales, transactions in put or call options, hedging transactions, using margin accounts, pledges, or other inherently speculative transactions involving our equity securities.

PROPOSAL 2
RATIFICATION OF SELECTION OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

The Audit Committee of the Board of Directors has selected Ernst & Young LLP as the Company's independent registered public accounting firm for the year ending December 31, 2023 and has further directed that management submit the selection of its independent registered public accounting firm for ratification by the stockholders at the Annual Meeting. Ernst & Young LLP has audited the Company's financial statements since 2014. Representatives of Ernst & Young LLP are expected to be present online at the Annual Meeting. They will have an opportunity to make a statement if they so desire and will be available to respond to appropriate questions.

Neither the Company's Bylaws nor other governing documents or laws require stockholder ratification of the selection of Ernst & Young LLP as the Company's independent registered public accounting firm. However, the Audit Committee of the Board is submitting the selection of Ernst & Young LLP to the stockholders for ratification as a matter of good corporate practice. If the stockholders fail to ratify the selection, the Audit Committee of the Board will reconsider whether or not to retain that firm. Even if the selection is ratified, the Audit Committee of the Board in its discretion may direct the appointment of a different independent registered public accounting firm at any time during the year if they determine that such a change would be in the best interests of the Company and its stockholders.

The affirmative vote of the holders of a majority of the shares present online at the meeting or represented by proxy and entitled to vote on the matter at the Annual Meeting will be required to ratify the selection of Ernst & Young LLP.

Fees and Services

The following table represents aggregate fees billed to the Company by Ernst & Young LLP, the Company's principal accountant.

(in thousands)	Year Ended December 31,	
	2022	2021
Audit Fees ⁽¹⁾	\$ 1,707	\$ 1,927
Audit-Related Fees ⁽²⁾	271	—
Tax fees ⁽³⁾	—	8
All Other Fees ⁽⁴⁾	—	2
Total Fees	\$ 1,978	\$ 1,937

(1) Audit fees consisted of fees billed for professional services provided in connection with the audits of our annual consolidated financial statements and our internal control over financial reporting, the review of our quarterly condensed consolidated financial statements, and related procedures and audit services that are normally provided by the independent registered public accounting firm in connection with regulatory filings. Audit fees included fees related to business combinations in 2022 and 2021.

(2) Audit-related fees in 2022 consisted of professional services provided in connection with attestation reports for service organizations.

(3) Tax fees included fees for permissible tax advisory services.

(4) All other fees included fees for access to online accounting and tax research software.

All fees and services described above were pre-approved by the Audit Committee.

Pre-Approval Policies and Procedures

The Audit Committee has adopted a policy and procedures for the pre-approval of audit and non-audit services rendered by the Company's independent registered public accounting firm, Ernst & Young LLP. The policy generally pre-approves specified services in the defined categories of audit services, audit-related services and tax services up to specified amounts. Pre-approval may also be given as part of the Audit Committee's approval of the scope of the engagement of the independent registered public accounting firm or on an individual, explicit, case-by-case basis before the independent registered public accounting firm is engaged to provide each service. The Chair of the Audit Committee has been delegated authority to pre-approve certain audit and non-audit services, but the decision must be reported to the full Audit Committee at its next scheduled meeting.

The Audit Committee has determined that the non-audit services rendered by Ernst & Young LLP are compatible with maintaining the principal accountant's independence.

THE BOARD OF DIRECTORS RECOMMENDS A VOTE IN FAVOR OF PROPOSAL 2.

PROPOSAL 3

ADVISORY VOTE TO APPROVE THE NAMED EXECUTIVE OFFICER COMPENSATION

The Dodd-Frank Wall Street Reform and Consumer Protection Act and Section 14A of the Exchange Act enable our stockholders to approve, on an advisory non-binding basis, the compensation of our Named Executive Officers as disclosed in this proxy statement. This proposal, commonly known as a "Say-on-Pay" proposal, gives our stockholders the opportunity to express their views on our Named Executive Officers' compensation as a whole. The vote is not intended to address any specific item of compensation or any specific Named Executive Officer, but rather the overall compensation of all our Named Executive Officers and the philosophy, policies and practices described in this proxy statement. At the 2020 Annual Meeting of Stockholders, the stockholders indicated their preference that the Company solicit a Say-on-Pay vote every year. The Board has adopted a policy that is consistent with that preference. In accordance with that policy, this year, we are asking stockholders to approve, on an advisory basis, the compensation of our Named Executive Officers as disclosed in this proxy statement in accordance with SEC rules.

The Say-on-Pay vote is advisory, and therefore is not binding on us, the Compensation Committee or the Board. The Say-on-Pay vote will, however, provide information to us regarding investor sentiment about our executive compensation philosophy, policies and practices, which the Compensation Committee will be able to consider when determining executive compensation for the remainder of the current year and beyond. The Board and our Compensation Committee value the opinions of our stockholders and to the extent there is any significant vote against the Named Executive Officer compensation as disclosed in this proxy statement, we will endeavor to communicate with stockholders to better understand the concerns that influenced the vote, consider our stockholders' concerns and the Compensation Committee will evaluate whether any actions are necessary to address those concerns.

The compensation of our Named Executive Officers subject to the vote is disclosed in the Compensation Discussion and Analysis section, the compensation tables and the related narrative disclosure contained in this proxy statement. As discussed in those disclosures, we believe that our compensation policies and decisions are aligned with our stockholders' interests to support long-term value creation and enable us to attract and retain talented executives.

Accordingly, the Board is asking the stockholders to indicate their support for the compensation of our Named Executive Officers as described in this proxy statement by casting a non-binding advisory vote "FOR" the following resolution:

"RESOLVED, that the compensation paid to the Company's named executive officers, as disclosed pursuant to Item 402 of Regulation S-K, including the Compensation Discussion and Analysis, compensation tables and narrative discussion is hereby APPROVED."

Advisory approval of this proposal requires the vote of the holders of a majority of the shares present online or represented by proxy and entitled to vote on the matter at the annual meeting. Unless the Board decides to modify its policy regarding the frequency of soliciting Say-on-Pay votes, the next scheduled Say-on-Pay vote will be at the 2024 Annual Meeting.

THE BOARD OF DIRECTORS RECOMMENDS A VOTE IN FAVOR OF PROPOSAL 3.

CORPORATE SOCIAL RESPONSIBILITY

We believe good governance at all levels is necessary to drive corporate responsibility, which in turn promotes the long-term interests of our stockholders and strengthens Board and management accountability. We focus our efforts in the following key areas:

- Governance;
- Environmental stewardship; and
- Social responsibility in: cybersecurity and data privacy, diversity, equity and inclusion, employee engagement, and community involvement.



Governance

Our Board sets high standards for the Company's employees, officers, and directors. Implicit in this philosophy is the importance of sound corporate governance. It is the duty of the Board to serve as a prudent fiduciary for stockholders and to oversee the management of the Company's business. The Board adheres to our corporate governance guidelines, which are designed to give directors and management a flexible framework for effectively pursuing the Company's objectives for the benefit of its stockholders.

In the risk management process, risk oversight is one of the Board's key functions. The Board does not have a standing risk management committee but rather administers this oversight function directly through the Board as a whole, as well as through various Board standing committees that address risks inherent in their respective areas of oversight. In particular, our Board is responsible for monitoring and assessing strategic risk exposure, including a determination of the nature and level of risk appropriate for the Company. The Nominating and Corporate Governance Committee is responsible for environmental, social, and governance oversight and is briefed at least twice a year on relevant matters. For additional details on the Committee's oversight responsibilities see the section titled "Nominating and Corporate Governance Committee" above.

In addition to our governance best practices, we consider environmental and social issues in our operations. We believe that socially responsible operating practices go hand in hand with generating value for our stockholders, providing cybersecurity solutions for our clients, being good neighbors within our communities, and being a good employer to our employees. In our view, our corporate governance is more effective when we consider environmental and social issues as part of our oversight of corporate strategy, key risks, and our operations more generally.

We are committed to the promotion of ethical business practices and the implementation of measures to reduce the risk of corruption. We believe strongly in human rights, including, but not limited to, supporting our diverse and inclusive workforce and promoting equality of opportunity and treatment in hiring, training, promotions and working conditions. We took some additional steps in 2022 to ensure that what is important to Tenable extends to those with whom we do business, by adopting a Human Rights Policy and a Supplier Code of Conduct, which articulate our commitments and values regarding such matters as ethical business practices, labor practices (including child labor and human trafficking), data privacy, diversity and non-discrimination, and whistleblower protections, and our related expectations regarding supplier, vendor, and contractor practices.



Environmental Stewardship

Our Board and management team recognize that we have a role to play in environmental stewardship. Given that the Company is a software company, our energy consumption and usage within our data centers is an important component of the day-to-day operations of our business. We outsource our data center needs to Amazon Web Services (“AWS”). In addition to carefully choosing data center locations to mitigate environmental risks, AWS has a long-term commitment to using 100 percent renewable energy.

Aside from data center needs, greenhouse gas emissions and water and energy usage are not material factors in the day-to-day operations of our business. However, we believe that we can still play a part through environmentally sound practices. Consequently, we are in the process of determining and tracking our scope 1 and scope 2 footprint.

Our corporate headquarters is a LEED Certified Gold for Core Construction. In addition, we have taken the following actions to enable environmental stewardship:

- implemented recycling in our offices;
- offered biodegradable to-go boxes to reduce food waste;
- implemented a strict policy for disposing of hardware; and
- transitioned to a travel portal that provides detail on our carbon footprint.

Tenable and our employees have donated time and money to important environmental causes such as healthy waterways and other clean-up efforts, recycling, carbon footprint mitigation and protection of threatened wildlife. At Tenable, we believe our employees are our most critical catalysts for change. Our Green Initiatives group continues to gain traction as a way for employees to share best practices for an environmentally conscious lifestyle, building global support within the Company, and lead campaigns such as trash clean-ups, sustainable lifestyle pledges, and tree-planting initiatives. Partnering within our Tenable CARES program - detailed later in this section - the Green Initiatives group curates easy-to-implement actions and measures our collective impact.

Our regional Green Initiatives leaders build engagement and momentum by hosting regular community check-ins and information sessions and building camaraderie among members. Through their shared passion for environmentalism, participants inspire one another to take action for a greener and cleaner tomorrow. Our 2023 theme, “Go Plant!” is centered around the importance of trees in mitigating the effects of climate change. The Green Initiatives group will spearhead tree-planting sessions and provide educational resources.



Cybersecurity and Data Privacy

We take great pride in assisting our customers with enhancing their security posture through the use of our services and products. We understand that customers must trust and have confidence in an organization to use its service offerings for managing their exposure data. As such, we take the overall security of our products and their supporting infrastructure very seriously.

We align our information security and risk management program to the National Institute of Standards and Technology Cybersecurity Framework and have implemented an information security management system to protect the confidentiality, integrity, and availability of assets against threats

and vulnerabilities. We achieved ISO/IEC 27001:2013 certification, recognizing our proven commitment to the highest level of information security management.

As a leader in cybersecurity, and with our focus on sound governance, we believe adding oversight at the board level is important, which is why we elevated the Cybersecurity Risk Management Committee from a subcommittee of the Audit Committee to a separate fully functioning committee of the Board in November of 2022. The Cybersecurity Risk Management Committee assists the Board in fulfilling its oversight responsibility for managing risks related to the Company's information technology use and protection, cybersecurity, and product security. For additional details on the Committee's oversight responsibilities see the section titled "Cybersecurity Risk Management Committee" above.

Data privacy protection and cybersecurity require diligence and a community effort. We enable the community through our employees, customers, and products by bringing security awareness to everything we do. As an enterprise security company, we consistently look for ways to improve our security posture to maintain data privacy and protect sensitive information for our employees and customers.

Thousands of customers, including financial services organizations, healthcare providers, retailers, educational institutions, and government agencies, trust Tenable with their exposure data, digital identities and exposure insights in our cloud platform. Security is core to our corporate ethos and we allocate significant investment to protect the confidentiality, integrity, and availability of all customer data. One of our top priorities is preventing any non-customers or bad actors from accessing, disclosing, or violating the privacy and protection of data stored in the Tenable cloud platform. Using a combination of preventative and detective controls, environment segregation, automation, granular data access controls, modern identity and access management practices, and data localization, our products are built to protect data and help meet privacy obligations. We continuously assess and implement additional measures to help improve our security program and address the ever-changing threat landscape.



Diversity, Equity and Inclusion

We believe an inclusive culture drives employee engagement, sparks innovation and delivers exceptional business results. Tenable's people strategy aspires to create a positive and rewarding experience for new, prospective and current employees across all aspects of employee connection — recruiting, onboarding, career growth, wellness and compensation. Our total rewards package — which includes abundant development options — recognizes employees for their contributions, gives them the opportunity for continued growth and provides resources to support well-being both inside and outside the workplace.

At Tenable, we strive to be a career destination in which employees from all backgrounds are welcomed and empowered, treated with fairness and respect, presented with opportunities to make a difference and provided with resources to enable them to grow.

We feel it is imperative to be transparent regarding our progress concerning Diversity, Equity and Inclusion ("DEI"). We undertake numerous efforts to increase representation in our workforce of historically excluded communities, cultivating a more inclusive culture and engaging more impactfully in the global communities that surround us. Our Diversity Council is made up of leaders from across our organization and is responsible for developing, enabling and promoting our strategic DEI plans.

They champion and prioritize all DEI initiatives, cultivate and strengthen a culture of inclusion and hold themselves and other leaders accountable for our DEI goals.

Our DEI strategy at Tenable is aligned to three major objectives:

- Workforce: increase the representation of women globally and people of color in the U.S.;
- Workplace: cultivate an inclusive workplace where all employees feel they belong and are given the support they need to thrive; and
- Community: increase our commitment to supporting the next generation of science technology, engineering and mathematics (STEM) talent in diverse communities.

To support our initiatives, we build partnerships within our communities to support organizations and events that strive for greater representation of women and underrepresented minorities in cybersecurity, hold inclusion, bias mitigation, and intercultural competency training and offer targeted development opportunities to assist with career advancement. Our efforts have included the following:

- implementing initiatives to drive diversity at the senior level which have enabled us to increase the percentage of new hires and internal promotions;
- using diversity-focused recruiting programs to help increase representation of women and people of color in cybersecurity. All of our open external positions are made available on diversity-focused job boards;
- using talent scout programs for mid-level diverse talent to network with senior leaders as well as directed recruitment marketing efforts to diverse Tenable Talent Networks;
- establishing Employee Resource Groups to connect and support employees who identify with diverse communities and identities;
- working with external partners to host professional development events, including Pronoun Workshop for LGBTQ+ allies;
- launching workshops for teams to discuss inclusion-related topics, such as cultural competency, and providing an Intercultural Development Inventory Administrator Certification through Tenable's professional development benefit; and
- enhancing our mentorship program, focusing on opportunities for women, Black, and Hispanic employees to establish greater professional connections and grow within our organization.



Employee Engagement

Our ability to fulfill core values depends on how well we listen to our employees. We constantly ask employees what they need to do their best work and we act on their input. We have several different methods of soliciting employee feedback to ensure we hear from all parts of the business. We also create regular opportunities for two-way communication with our executives to help our people better understand how decisions are made. Our methods include the following:

- conducting an annual employee engagement survey combined with periodic division - or region-specific check-ins;
- soliciting employee feedback at various stages of their employment cycle, from onboarding to offboarding;
- holding monthly executive "coffee chat" sessions during which employees can engage with our senior leaders to exchange information, provide feedback and brainstorm ideas in small-group settings;

- staging monthly company-wide All Hands meetings led by our CEO, with an open question-and-answer period;
- empowering departmental, regional or team leaders to host their own town halls for their direct reports;
- encouraging people managers to hold regular check-in meetings with their direct reports where they can focus on real-time feedback, recognition, coaching, and professional development; and
- ensuring executive sponsorship of each Employee Resource Group, providing each cohort with a direct path to communicate with senior leadership.

We believe professional development is a continuous and iterative process and encourage employees to think of refining and redefining their development goals and plans as a path or direction, rather than pursuing a specific job position or promotion. We promote and support employee development and organizational effectiveness by providing numerous high-quality learning and development options. Employees and their managers work together to create development plans for increasing business acumen and building on the skills and knowledge each employee needs to excel in their position and grow professionally. Our professional development offerings include mentor and mentee matching and informal networking opportunities, tuition reimbursement and professional development funds, access to industry-leading tools for learning and building skills, a management development program, career development and learning events, and an internship program.

We expect our employees to respect and adhere to the highest standards of business conduct, including as set forth in our Code of Business Conduct and Ethics. All employees are expected to complete certain compliance training requirements annually. Topics include information security, data privacy, harassment prevention, anti-bribery and insider trading.



Community Involvement

We invest in social good in alignment with our company values. Tenable demonstrates that we care by striving to make a positive difference in everything that we do — in our work, with our customers and colleagues and in our communities. We are proud to contribute to charities, initiatives and programs that strengthen our industry and impact our employees and communities.

Our people strive to create a better tomorrow by giving back to their communities globally through our internal giving and volunteerism program, Tenable CARES. Tenable CARES is designed to make it easier for our employees to support the charitable organizations that are important to them. The program offers employees one day of paid leave per year to participate in volunteer activities. In addition, we match employee donations to their preferred organizations and give each employee an opportunity to nominate a cause that is important to them to be selected as Tenable's global cause of the year. In 2022, Tenable's global cause of the year was St. Jude Children's Research Hospital. Previous causes have included the Multiple Sclerosis Foundation and the Make-A-Wish Foundation. Through Tenable CARES, we aim to unite our employees around our missions and use our programs and tools to help spread the word about their charitable passions and work.

Just as volunteering in our communities is an important aspect of our corporate culture, we encourage our employees to express their voices in local, state, and national public policy. Employees are given a total of one day off per year to exercise their right to vote. We are also focused on advocating for policies that impact Tenable and the cybersecurity industry as a whole. We regularly engage with U.S. federal, state, and local government entities to provide expertise and

thought leadership to policymakers as they shape policies and regulations that directly impact our customers and cybersecurity as a whole. But our efforts are not limited to the U.S. government. We engage governments, policymakers and partners around the world to advocate on important issues affecting our business, our customers, our partners, and the communities in which we operate.

We also lend our expertise to promote cybersecurity resilience and help inform the development of cybersecurity standards. We participate in numerous government bodies - such as the President's National Security Telecommunications Advisory Committee and the National Institute for Standards and Technology's National Cybersecurity Center of Excellence - to provide cybersecurity and technology insight to policymakers and government officials.

These engagements have led to opportunities to provide official testimony at congressional hearings on topics ranging from securing critical infrastructure to creating the Office of the National Cybersecurity Director. Tenable participates in a range of conferences, events, and summits that collectively advance our public policy goals. In addition, we conduct lobbying activities aimed at supporting policies that enhance cybersecurity and digital resilience. These activities are reported publicly in accordance with the Lobbying Disclosure Act and all subsequent amendments to the law.

Complementary to our policy advocacy, we are engaged in cyber threat intelligence information sharing and operational collaboration with multiple organizations, including the Cybersecurity and Infrastructure Security Agency's Joint Cyber Defense Collaborative. We are a member of the following associations: Alliance for Digital Innovation, the Cybersecurity Coalition, the Computing Technology Industry Association, the Information Technology Industry Council, the International Society of Automation, the National Association of Chief Information Officers, and the National Governors Association.

In addition, we formed a federal Political Action Committee ("PAC"), which allows eligible employees to pool their voluntary, personal contributions to help support and elect pro-technology and pro-cybersecurity lawmakers to Congress. Tenable's PAC does not advance a partisan or social agenda, but instead ensures public policies promote sound cybersecurity policies and growth for our business, our employees and our customers. You can find all disbursements for the Tenable PAC by visiting the Federal Election Commission website.

EXECUTIVE OFFICERS

Our executive officers, and their respective ages as of April 12, 2023, are as follows:

Name	Age	Position(s)
<i>Executive Officers</i>		
Amit Yoran	52	Chief Executive Officer and Chairman
Stephen A. Vintz	54	Chief Financial Officer
Mark Thurmond	53	Chief Operating Officer

The biography of Mr. Yoran is set forth in "Proposal 1: Election of Directors" above.



Stephen A. Vintz

Stephen A. Vintz has served as our Chief Financial Officer since October 2014. Mr. Vintz previously served as Executive Vice President and Chief Financial Officer of Vocus. Mr. Vintz received a B.B.A. in Accounting from Loyola University Maryland and is a Certified Public Accountant.



Mark Thurmond

Mark Thurmond has served as the Company's Chief Operating Officer since February 2020. Prior to joining the Company, Mr. Thurmond served as the Chief Operating Officer of Turbonomic Inc. from September 2017 to February 2020 and as the Executive Vice President, Worldwide Sales and Services of QlikTech International AB from August 2015 to August 2017. Mr. Thurmond holds a B.S. in Psychology from Hofstra University.

SECURITY OWNERSHIP OF CERTAIN BENEFICIAL OWNERS AND MANAGEMENT

The following table sets forth certain information regarding the ownership of the Company's common stock as of March 3, 2023 by: (i) each director and nominee for director; (ii) each of the executive officers named in the Summary Compensation Table; (iii) all executive officers and directors of the Company as a group; and (iv) all those known by the Company to be beneficial owners of more than five percent of its common stock.

Beneficial Owner	Beneficial Ownership ⁽¹⁾	
	Number of Shares	Percent of Total
<i>5% or greater stockholders:</i>		
The Vanguard Group ⁽²⁾	11,310,002	9.9%
FMR, LLC ⁽³⁾	11,132,927	9.7%
BlackRock, Inc. ⁽⁴⁾	9,876,238	8.6%
<i>Named executive officers and directors:</i>		
Amit Yoran ⁽⁵⁾	3,534,554	3.0%
Stephen A. Vintz ⁽⁶⁾	1,028,326	*
Stephen A. Riddick ⁽⁷⁾	56,721	*
Mark Thurmond ⁽⁸⁾	26,520	*
Arthur W. Coviello, Jr. ⁽⁹⁾	25,879	*
John C. Huffard, Jr. ⁽¹⁰⁾	482,753	*
Linda Zecher Higgins ⁽¹¹⁾	5,922	*
Niloofar Razi Howe ⁽¹²⁾	3,308	*
A. Brooke Seawell ⁽¹³⁾	264,962	*
Raymond Vicks, Jr. ⁽¹⁴⁾	1,697	*
George Alexander Tosheff ⁽¹⁵⁾	5,613	*
All current executive officers and directors as a group (10 persons) ⁽¹⁶⁾	5,379,534	4.5%

* Represents beneficial ownership of less than 1%.

(1) This table is based upon information supplied by officers, directors and principal stockholders and Schedules 13D and 13G filed with the SEC. Unless otherwise indicated in the footnotes to this table and subject to community property laws where applicable, the Company believes that each of the stockholders named in this table has sole voting and investment power with respect to the shares indicated as beneficially owned. Applicable percentages are based on 114,693,859 shares outstanding on March 3, 2023, adjusted as required by rules promulgated by the SEC.

(2) As reported in a Schedule 13G/A filed with the Securities and Exchange Commission on January 10, 2023, which states that The Vanguard Group, Inc. has sole dispositive power with respect to 11,008,997 of the shares, shared dispositive power with respect to 301,005 of the shares and shared voting power with respect to 190,290 of the shares. The Vanguard Group, Inc. is the parent holding company of Vanguard Asset Management, Limited, Vanguard Fiduciary Trust Company, Vanguard Global Advisors, LLC, Vanguard Group (Ireland) Limited, Vanguard Investments Australia Ltd, Vanguard Investments Canada Inc., Vanguard Investments Hong Kong Limited and Vanguard Investments UK, Limited, which act as investment advisers to registered investment

companies and separate accounts that own the reported shares. The principal business address of The Vanguard Group, Inc. is 100 Vanguard Boulevard, Malvern, Pennsylvania 19355.

(3) As reported in a Schedule 13G/A filed with the Securities and Exchange Commission on February 9, 2023, which states that FMR LLC has sole dispositive power with respect to all of the shares and sole voting power with respect to 11,131,903 of the shares. The principal business address of FMR LLC is 245 Summer Street, Boston, Massachusetts 02210.

(4) As reported in a Schedule 13G filed with the Securities and Exchange Commission on January 25, 2023, which states that BlackRock, Inc. has sole dispositive power with respect to all of the shares and sole voting power with respect to 9,610,017 of the shares. BlackRock, Inc. is the parent holding company of BlackRock Life Limited, BlackRock Advisors, LLC, BlackRock (Netherlands) B.V., BlackRock Institutional Trust Company, National Association, BlackRock Asset Management Ireland Limited, BlackRock Financial Management, Inc., BlackRock Asset Management Schweiz AG, BlackRock Investment Management, LLC, BlackRock Investment Management (UK) Limited, BlackRock Asset Management Canada Limited, BlackRock Investment Management (Australia) Limited, BlackRock Fund Advisors and BlackRock Fund Managers Ltd, which act as investment advisers to registered investment companies and separate accounts that own the reported shares. The principal business address of BlackRock, Inc. is 55 East 52nd Street, New York, New York 10055.

(5) Consists of (a) 204,925 shares of common stock held by Mr. Yoran directly, (b) 245,947 shares of common stock held by the Amit Yoran 2020 Family Trust, (c) 350,270 shares of common stock held by the Amit Yoran Grantor Retained Annuity Trust A, (d) 179,700 shares of common stock held by the Amit Yoran Grantor Retained Annuity Trust B and (e) 2,553,712 shares of common stock issuable upon the exercise of outstanding options exercisable within 60 days of March 3, 2023.

(6) Consists of (a) 194,392 shares of common stock and (b) 833,934 shares of common stock issuable upon the exercise of outstanding options exercisable within 60 days of March 3, 2023.

(7) Consists of (a) 42,199 shares of common stock and (b) 14,522 shares of common stock issuable upon the exercise of outstanding options exercisable as of October 14, 2022, Mr. Riddick's last day of employment with the Company.

(8) Consists of 26,520 shares of common stock held by Mr. Thurmond directly.

(9) Consists of 25,879 shares of common stock held by Mr. Coviello directly.

(10) Consists of (a) 7,135 shares of common stock held by Mr. Huffard directly, (b) 31,847 shares of common stock held by Mr. Huffard's spouse in the Mary Kathryn Braden Huffard Revocable Trust U/T/A dated March 2, 2012, (c) 390,183 shares of common stock held by Mary Kathryn Braden Huffard and Jonathan M. Forster, as Trustees of The Three Suns 2019 Non-Exempt Irrevocable Trust U/T/A dated November 15, 2019, and (d) 53,588 shares of common stock held by Mr. Huffard and Mary Kathryn Braden Huffard, as Trustees of The John Cloyd Huffard Jr Revocable Trust U/T/A dated March 2, 2012.

(11) Consists of 5,922 shares of common stock held by Ms. Zecher Higgins directly.

(12) Consists of 3,308 shares of common stock held by Ms. Howe directly.

(13) Consists of (a) 34,962 shares of common stock and (b) 230,000 shares of common stock issuable upon the exercise of outstanding options exercisable within 60 days of March 3, 2023.

- (14) Consists of 1,697 shares of common stock held by Mr. Vicks directly.
- (15) Consists of 5,613 shares of common stock held by Mr. Tosheff directly.
- (16) Consists of (a) 1,761,888 shares of common stock and (b) 3,617,646 shares of common stock issuable upon the exercise of outstanding options exercisable within 60 days of March 3, 2023.

DELINQUENT SECTION 16(A) REPORTS

Section 16(a) of the Exchange Act requires the Company's directors and executive officers, and persons who own more than ten percent of a registered class of the Company's equity securities, to file with the SEC initial reports of ownership and reports of changes in ownership of common stock and other equity securities of the Company. Officers, directors and greater than ten percent stockholders are required by SEC regulation to furnish the Company with copies of all Section 16(a) forms they file.

To the Company's knowledge, based solely on a review of the copies of such reports furnished to the Company and written representations that no other reports were required, during the year ended December 31, 2022, all Section 16(a) filing requirements applicable to its officers, directors and greater than ten percent beneficial owners were complied with, except that one report covering one transaction was inadvertently filed late on behalf of Mr. Tosheff by the Company.

EXECUTIVE COMPENSATION

COMPENSATION DISCUSSION AND ANALYSIS

This Compensation Discussion and Analysis reviews the material elements of our 2022 executive compensation, philosophy, policies and practices, and discusses compensation earned by our named executive officers, which for 2022 were as follows (our “Named Executive Officers”):

Name	Position
Amit Yoran	Chief Executive Officer and Chairman of the Board of Directors
Stephen A. Vintz	Chief Financial Officer
Stephen A. Riddick ⁽¹⁾	Former Chief Legal Officer and Corporate Secretary
Mark Thurmond ⁽²⁾	Chief Operating Officer

(1) Effective October 14, 2022, Mr. Riddick retired as Chief Legal Officer and Corporate Secretary of the Company.

(2) Mr. Thurmond was not an executive officer at the end of 2022. However, we have voluntarily included Mr. Thurmond as a Named Executive Officer for 2022 because he would have been among the three most highly compensated executive officers of the Company if he had been serving as an executive officer at the end of 2022.

Executive Summary

Who We Are

We are a leading provider of exposure management solutions. Exposure management is an effective discipline for managing, measuring and comparing cybersecurity risk in today's complex IT environments.

2022 Business Highlights

2022 was a strong year, marked by increased revenue and calculated current billings growth and attractive levels of free cash flow. Our 2022 highlights were as follows:

- Revenue was \$683.2 million, a 26% increase year-over-year;
- Calculated current billings was \$776.9 million, a 26% increase year-over-year;
- GAAP loss from operations was \$67.8 million, compared to a loss of \$41.8 million in 2021. Non-GAAP income from operations was \$67.7 million, compared to \$51.0 million in 2021;
- GAAP net loss was \$92.2 million, compared to a loss of \$46.7 million in 2021. Non-GAAP net income was \$44.3 million, compared to \$38.9 million in 2021;
- GAAP net loss per share was \$0.83, compared to a loss per share of \$0.44 in 2021. Non-GAAP diluted earnings per share was \$0.38, compared to \$0.34 in 2021; and
- Net cash provided by operating activities was \$131.2 million, compared to \$96.8 million in 2021.
- Unlevered free cash flow was \$128.1 million, an increase of 35% from \$95.2 million in 2021.

Refer to the appendix for reconciliations of non-GAAP measures to comparable GAAP measures.

Executive Compensation Highlights

We seek to ensure that executive pay is tied to performance and long-term stockholder value creation. Based on our success in executing our strategic plan in a challenging environment, including progress by the executive leadership team on our diversity and inclusion and employee engagement and development initiatives, and continuing a safe working environment during the pandemic, the Compensation Committee took the following key actions with respect to the compensation of our Named Executive Officers in 2022:

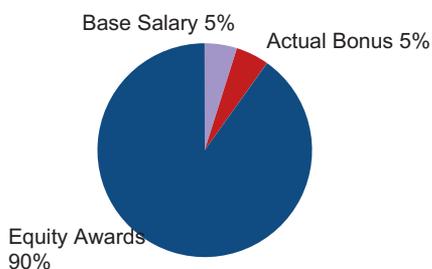
- Base Salaries - We approved salary increases in 2022 for our Named Executive Officers in light of their and the company's strong performance and to maintain market competitiveness relative to our peers. Raises ranged from 3.5% to 3.6%.
- Cash Bonuses - Our cash bonus structure mirrored that of prior years and incorporated revenue, unlevered free cash flow and bookings goals. Our target cash bonuses are expressed as a percentage of base salary paid out based on quarterly and annual attainment, and remained comparable with 2021. For 2022, our Compensation Committee capped the bonus payments at 200% of the target. Given our strong performance in these areas, cash bonuses were paid out in accordance with their plan formula above target at 102.8%.
- Long-Term Incentive Compensation - We continue to provide a large percentage of our Named Executive Officers' compensation opportunity through our long-term incentive compensation program. In 2022, our long-term incentive plan continued to include the grant of restricted stock units ("RSUs") subject to service-based vesting and we began granting performance restricted stock units ("PSUs") subject to achievement of certain performance goals and followed by additional service-based vesting. In order to remain competitive, the aggregate dollar value of Messrs. Yoran, Vintz, Riddick and Thurmond's 2022 grants were increased relative to 2021 by \$1.5 million, \$1.0 million, \$0.3 million and \$0.5 million, respectively.
- We adopted a compensation recoupment policy under which compensation paid to or earned by our executives may be recovered in the event of financial restatements and misconduct that contributed to the financial restatements.

We believe the increases in our Named Executive Officers' 2022 total direct compensation are consistent with our successful performance, company growth and philosophy of retaining and rewarding our executives for successful company performance.

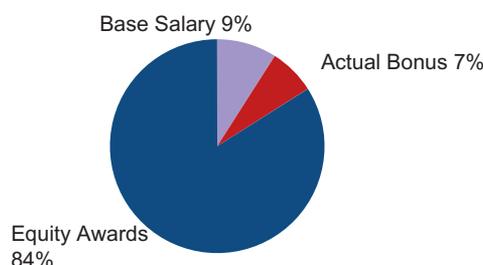
2022 Target Total Direct Compensation Overview

For 2022, 95% of our CEO's total reported compensation and an average of 91% of our other Named Executive Officers' total reported compensation was at-risk through quarterly and annual bonuses earned and equity incentives awarded, as reported in the Summary Compensation Table.

CEO Pay Mix



Other Executives Pay Mix (1)



(1) Other executives pay mix assumes Mr. Riddick received his target bonus amount for the full year rather than the actual pro rata amount he received due to his retirement in October 2022. The bonus amounts for the other executives are the actual bonus amounts for the full year.

Listening to Our Stockholders

At our annual meeting of stockholders in 2022, we conducted our second advisory vote on executive compensation, or a say-on-pay vote. Approximately 94.4% of the votes cast on the say-on-pay proposal supported the proposal. Our Compensation Committee reviewed the final vote results for the proposal and given the level of support, concluded that our compensation program provided a competitive performance package that incentivizes our Named Executive Officers and encourages their retention over the long term. Accordingly, other than as described below, the Compensation Committee determined not to make any significant changes to our executive compensation policies or decisions as a result of the vote. However, in order to strengthen the Company's pay for performance philosophy and in light of stockholder and institutional investor feedback, the Compensation Committee began granting PSUs and adopted the Compensation Recoupment Policy. Our Compensation Committee will continue to monitor and continually evaluate our compensation program going forward in light of our stockholders' views and our transforming business needs. In addition to our annual advisory vote on executive compensation, we are committed to ongoing engagement with our stockholders on executive compensation and corporate governance issues.

Executive Compensation Policies and Practices

We endeavor to maintain appropriate pay-for-performance alignment and sound governance standards as we review and manage executive compensation policies and practices. The Compensation Committee evaluates our executive compensation program on a regular basis to ensure that it is consistent with our short-term and long-term goals given the dynamic nature of our business and the market in which we compete for executive talent. The following summarizes our key convictions with respect to executive compensation and related policies and practices:

What We Do

- Maintain an independent Compensation Committee. Retain an independent compensation advisor.
- Annual executive compensation strategy review. Multi-year vesting requirements for equity awards.
- “Double-trigger” change-in-control arrangements.
- Succession planning by full Board.
- Annual Say-on-Pay voting.
- Executive compensation “clawback” policy for our executives, including our Named Executive Officers, and stock ownership guidelines for our non-employee directors.
- Stock incentive plans and executive employment agreements that provide for forfeiture of equity awards and severance if an executive is terminated for cause, including due to misconduct that results in reputational harm to the Company.

What We Do Not Do

- No guaranteed bonuses. No tax “gross ups” on payments on future post-employment compensation arrangements.
- No hedging or pledging of our equity securities.
- No mid-year adjustments or modifications of our cash or equity incentives in 2022, despite the recent volatile market condition.
- No retirement and perquisite benefits to our executives that are not offered to employees generally.

Executive Compensation Philosophy and Objectives

Our executive compensation program is guided by our overarching philosophy of paying for demonstrable performance. To achieve these objectives, we believe that our executive compensation program should include short-term and long-term elements, including cash and equity compensation, and should reward consistent performance that meets or exceeds expectations. We evaluate both performance and compensation to make sure that the compensation provided to our executives remains competitive relative to compensation paid by companies of similar size operating in our industry, taking into account our relative performance, our strategic objectives, and the performance of the individual executive.

Consistent with this philosophy, we have designed our executive compensation program to achieve the following primary objectives:

- Provide market competitive compensation and benefit levels that will attract, motivate, reward, and retain a highly talented team of executives within the context of responsible cost management;
- Establish a direct link between our financial and operational results and strategic objectives and the compensation of our executives;
- Align the interests and objectives of our executives with those of our stockholders by linking our executives’ long-term incentive compensation opportunities to stockholder value creation and their cash incentives to our annual performance; and
- Offer total compensation opportunities to our executives that, while competitive, are internally consistent.

Executive Compensation Design; Pay for Performance

The annual compensation arrangements for our Named Executive Officers consist of both fixed and "at risk" compensation elements which have been designed to align pay and performance.

Our fixed base salaries are designed to retain our executives by providing dependable and competitive annual income. In addition, we emphasize variable compensation through our short-term incentive cash bonus plan based on our Named Executive Officers attainment of pre-established short-term financial targets as determined from time to time by the Company and reviewed by our Board of Directors in connection with our annual operating plan, and "at-risk" compensation through our long-term equity incentive plan, which consists of service-vesting RSUs and, beginning in 2022, PSUs.

Historically, we believed that service-based RSU awards were an appropriate long-term incentive compensation vehicle in so far as they exposed our Named Executive Officers to fluctuations in our stock price, thereby aligning the interests of our Named Executive Officers and stockholders and incentivizing them to build sustainable long-term value for the benefit of our stockholders while satisfying our retention objectives. In 2022, we decided to incorporate PSUs in our long-term incentive plan as a portion of our long-term incentive grants in order to further tie pay to performance. For 2022, PSUs made up 25% of the total grant date fair value of the long-term incentive grants for our Named Executive Officers. In future years and over time, the Compensation Committee intends to gradually shift the mix of equity awards granted to Named Executive Officers to include a higher proportion of performance-based incentives.

These at-risk pay elements ensure that a substantial portion of our Named Executive Officers' target total direct compensation is contingent (rather than fixed) in nature, with the amounts ultimately payable commensurate with our actual performance.

Compensation Elements

In 2022, the principal elements of our executive compensation program, and the objective and key features of each element, were as follows:

Element	Type and Form of Element	Objective	Key Features
Base Salary	Fixed/Cash	Designed to attract and retain highly talented executives by providing financial stability and security for performing job responsibilities through a fixed amount that is market competitive and rewards performance	<ul style="list-style-type: none"> • Established initially through arm’s-length negotiation at the time of hire and then reviewed annually at beginning of year. • Factors considered include: executive's position, qualifications, experience, pre-hire salary level, the base salaries of our other executives, company and individual performance, retention objectives, a competitive market analysis, and recommendations of the CEO (for Named Executive Officers other than the CEO)
Short-Term Incentive	Variable/Cash Bonus	Designed to motivate and reward executives with financial incentives for achieving or exceeding rigorous quarterly and annual financial objectives related to our key business imperatives	<ul style="list-style-type: none"> • Target bonus amounts generally are reviewed annually at the beginning of year and determined based on various factors, including company and individual performance, a competitive market analysis, and recommendations of the CEO (for Named Executive Officers other than the CEO) • Bonus payments earned are determined after each quarter and the full-year • Bonus payments are generally dependent upon achievement of pre-established corporate financial objectives selected by our Compensation Committee from our annual operating plan reviewed by our Board of Directors

Long-Term Incentive	At risk/RSUs and Variable/PSUs	Designed to motivate and reward executives for successful long-term performance, align interests of executives and stockholders by motivating them to create sustainable long-term stockholder value, and encourage continued employment of executives over the long-term	<ul style="list-style-type: none"> • Annual award opportunities are generally reviewed and determined annually at beginning of the year or as appropriate during year for new hires, promotions, or other special circumstances • Individual awards are determined based on various factors, including company and individual performance, retention value of outstanding equity holdings, competitive market analysis, and recommendations of the CEO (for Named Executive Officers other than the CEO) • Historically granted RSU awards or stock options with four-year vesting requirements, although the Compensation Committee has discretion to grant other equity vehicles and use different vesting requirements or performance conditions • In 2022, added PSUs to the long-term incentive program in order to more closely tie together Named Executive Officer compensation and Company performance
Other Compensation	Retirement and health and welfare benefits offered to all employees on the same terms	Employee benefits that promote employee savings and health and welfare, which assists in attracting and retaining our executives and employees	Indirect compensation element consisting of programs such as medical, vision, dental, life and disability insurance, as well as the 401(k) Plan with a company matching contribution and an ESPP, and other plans and programs made available to all eligible employees

Base Salary

In February 2022, the Compensation Committee reviewed the base salaries of our Named Executive Officers, taking into consideration a competitive market analysis prepared by its compensation consultant and the recommendations of our CEO (except with respect to the CEO's own compensation), as well as the other factors described in "Compensation-Setting Process" below. Following this review, the Compensation Committee determined to adjust the base salaries of our Named Executive Officers to enhance their competitiveness.

The base salaries of our Named Executive Officers were as follows:

Named Executive Officer	2021 Base Salary	2022 Base Salary	Percentage Adjustment
Mr. Yoran	\$ 470,000	\$ 487,000	3.6 %
Mr. Vintz	400,000	414,000	3.5 %
Mr. Riddick	360,000	373,000	3.6 %
Mr. Thurmond	400,000	414,000	3.5 %

The base salaries paid to our Named Executive Officers during 2022 are set forth in the *Summary Compensation Table* below.

Cash Bonuses

Cash bonuses are based upon a specific percentage of each participant's annual base salary and are paid, subject to goal attainment, in five equally weighted installments, one following each quarter and the fifth payment following year-end.

We believe that paying bonuses throughout the year is the most effective way to motivate achievement of our short-term financial goals because quarterly and annual payments align with the time periods for which we provide external guidance to the investment community.

2022 Cash Bonus Structure

In February 2022, the Compensation Committee reviewed the target short-term cash incentive bonus opportunities of our Named Executive Officers in place for 2022, taking into consideration a competitive market analysis prepared by its compensation consultant and the recommendations of our CEO (except with respect to the CEO's own bonus opportunity), as well as the other factors described in "Compensation-Setting" below. Following this review, the Compensation Committee determined that the target short-term cash incentive bonus opportunities would remain unchanged as a percentage of their base salaries for our Named Executive Officers.

Accordingly, the target short-term cash incentive bonus opportunities of our Named Executive Officers for 2022 were as follows:

Named Executive Officer	2022 Target Cash Bonus Opportunity	Target Percentage of Base Salary
Mr. Yoran	\$ 487,000	100.0 %
Mr. Vintz	362,250	87.5 %
Mr. Riddick	186,500	50.0 %
Mr. Thurmond	362,250	87.5 %

Consistent with the prior year, for 2022, our Board of Directors established anticipated target goals for each performance metric used in our annual operating plan, with actual bonus payments at each periodic payment interval calculated by multiplying 20% of a participant's target cash bonus opportunity by the weighted average percentage attainment level of the applicable goals for each applicable quarter or full year. No payments are made if attainment is below 75% and the maximum payment is capped at 200% of the target amount. Accordingly, for 2022, the target performance goals

for our Named Executive Officers were as follows, each of which exceeds prior year actual performance:

Performance Metric	Target Performance Level (in thousands) ⁽¹⁾	Weighting
Revenue + Unlevered Free Cash Flow ⁽²⁾	\$ 795,666	66.67 %
Bookings	⁽³⁾	33.33 %

(1) The target performance level for each performance metric was adjusted to include the effect of certain acquisitions that occurred during the period.

(2) Unlevered Free Cash Flow is a non-GAAP measure. Refer to the appendix for reconciliations of non-GAAP measures to comparable GAAP measures.

(3) We have chosen not to disclose the target performance level for our bookings performance measure as such information is proprietary in nature, the disclosure of which could result in competitive harm to the Company. For 2022, the Board of Directors considered the target performance achievement levels for the bookings performance measure to be challenging but achievable with significant effort requiring circumstances to align as projected. The bookings target goal reflected an approximate 25.4% increase over our actual bookings results from 2021.

For this purpose, each of the above metrics are defined as follows:

- Revenue - to be calculated in accordance with GAAP and as set forth in our quarterly and annual financial statements.
- Unlevered Free Cash Flow – to be calculated as free cash flow, defined as GAAP net cash flows from operating activities reduced by purchases of property and equipment, plus cash paid for interest and other financing costs, excluding payments for certain acquisition-related expenses.
- Bookings - to be calculated as sales of new and renewal subscription licenses, perpetual licenses and related first-year maintenance, and services and training, which are closed in a period. Bookings is based on annual contract value (ACV), whereby we include only the first-year contract value as booked in cases where a multi-year deal is prepaid or billed upfront.

Our Board of Directors believed that, for purposes of the short-term cash incentive bonus plan, these were the most appropriate corporate performance measures to use because, in its view, they would provide meaningful indicators of our successful execution of our annual operating plan and our ability to enhance long-term value creation. In particular, we believe our bookings levels are an effective measure of annual contract value, which management uses to measure the growth of our business.

2022 Cash Bonus Attainment

Our actual performance against the aggregate target level for the various corporate performance measures for each quarter and for the full year, as applicable, as well as the amounts received by each Named Executive Officer, were reviewed by the Compensation Committee in February 2023.

The following table provides information regarding the full year cash bonus payout level achieved by the Named Executive Officers during 2022:

Performance Metric	Actual Performance Level (in thousands)⁽¹⁾		Percentage of Target
Revenue + Unlevered Free Cash Flow	\$	813,902	102.3 %
Bookings		⁽²⁾	97.6 %

(1) The actual performance level for each performance metric includes the effect of certain acquisitions that occurred during the period.

(2) We have chosen not to disclose the performance level for our bookings performance measure as such information is proprietary in nature, the disclosure of which could result in competitive harm to the Company. For 2022, the Board of Directors considered the target performance achievement levels for the booking performance measure to be challenging but achievable with significant effort requiring circumstances to align as projected. The bookings performance attainment reflected an approximate 22.4% increase over our actual bookings results from 2021.

The following table provides information regarding the actual quarterly and full year cash bonuses earned by the Named Executive Officers during 2022:

Named Executive Officer	Performance Period	Target Quarterly/ Annual Bonus	Aggregate Weighted Average Achievement/ Payment Percentage	Actual Quarterly/ Annual Bonus
Mr. Yoran	First Quarter	\$ 97,400	99.2 %	\$ 96,621
	Second Quarter	97,400	106.7 %	103,926
	Third Quarter	97,400	107.1 %	104,315
	Fourth Quarter	97,400	99.9 %	97,303
	Full Year	97,400	101.1 %	98,471
	Total 2022	\$ 487,000	102.8 %	\$ 500,636
Mr. Vintz	First Quarter	\$ 72,450	99.2 %	\$ 71,870
	Second Quarter	72,450	106.7 %	77,304
	Third Quarter	72,450	107.1 %	77,594
	Fourth Quarter	72,450	99.9 %	72,378
	Full Year	72,450	101.1 %	73,247
	Total 2022	\$ 362,250	102.8 %	\$ 372,393
Mr. Riddick	First Quarter	\$ 37,300	99.2 %	\$ 37,002
	Second Quarter	37,300	106.7 %	39,799
	Third Quarter	37,300	107.1 %	39,948
	Fourth Quarter ⁽¹⁾	37,300	— %	—
	Full Year ⁽¹⁾	37,300	— %	—
	Total 2022	\$ 186,500		\$ 116,749
Mr. Thurmond	First Quarter	\$ 72,450	99.2 %	\$ 71,870
	Second Quarter	72,450	106.7 %	77,304
	Third Quarter	72,450	107.1 %	77,594
	Fourth Quarter	72,450	99.9 %	72,378
	Full Year	72,450	101.1 %	73,247
	Total 2022	\$ 362,250	102.8 %	\$ 372,393

(1) Mr. Riddick did not receive his fourth quarter and full year bonuses due to his retirement in October 2022.

The cash bonus payments made to our Named Executive Officers for 2022 are set forth in the “Summary Compensation Table” below.

Long-Term Incentive Compensation

In February 2022, as part of its annual compensation review the Compensation Committee determined to change its equity grant program for our Named Executive Officers to include PSUs, with an initial award mix consisting of approximately 75% RSUs and 25% PSUs (based on target

grant date values). Accordingly, each of our Named Executive Officers received annual 2022 long-term equity grants consisting of a mix of RSUs and PSUs. Each RSU and PSU granted represents a contingent right to receive one share of our common stock for each unit that ultimately vests. Based upon a review of competitive market practice and the incentive power of these awards, in February 2022, the Compensation Committee granted RSU and PSU awards to our Named Executive Officers in amounts that it considered to be consistent with our compensation philosophy and its desired market competitiveness as follows for each Named Executive Officer:

Named Executive Officer	Restricted Stock Unit Award (shares)	Restricted Stock Unit Award (grant date fair value)	Performance Stock Unit Award (target shares)	Performance Stock Unit Award (target grant date fair value)	Total Grant Date Fair Value	Total Year-over-Year Change
Mr. Yoran	150,100	\$ 6,749,997	50,033	\$ 2,249,984	\$ 8,999,981	20.0 %
Mr. Vintz	85,056	3,824,968	28,352	1,274,990	5,099,958	24.4 %
Mr. Riddick ⁽¹⁾	41,694	1,874,979	13,898	624,993	2,499,972	13.6 %
Mr. Thurmond	61,708	2,775,009	20,569	924,988	3,699,997	15.6 %

(1) Mr. Riddick forfeited all RSUs and PSUs awarded to him in 2022 in connection with his retirement.

2022 RSU Awards

RSU awards serve as an incentive that is aligned with the long-term interests of our stockholders because their value increases (or decreases) with any change in the value of the underlying shares. Further, RSUs serve our retention objectives because they are subject to a multi-year vesting requirement based on continued service. The RSU awards granted to our Named Executive Officers vest over a four-year period, with 25% of the total number of units subject to the award vesting on the first anniversary of February 23, 2022, the vesting commencement date, and 1/16th of the total number of units subject to the award vesting in quarterly installments over the following three years, contingent upon the Named Executive Officer's continued employment by us through each applicable vesting date.

2022 PSU Awards

For 2022, the Compensation Committee decided to introduce PSUs, representing 25% of the equity award mix (based on target grant date values), to strengthen the Company's pay for performance philosophy and in light of stockholder and institutional investor feedback. Because PSUs are only earned upon achievement of key performance goals that drive our business and our stockholder value, the Compensation Committee believes that these awards increase the alignment between the interests of our executive officers and stockholders. In future years and over time, the Compensation Committee intends to gradually shift the mix of equity awards granted to Named Executive Officers to include a higher proportion of performance-based incentives.

The PSU awards were subject to the achievement of (i) pre-established target levels for global bookings (weighted 33.33%) and revenue + unlevered free cash flow (weighted 66.67%) during the one-year performance period beginning on January 1, 2022, and (ii) a service-based vesting requirement, with 25% of the total number of PSUs deemed to be eligible to vest by the Compensation Committee vesting on the first anniversary of February 23, 2022, and the remainder vesting quarterly over the following three years, subject to the Named Executive Officer's continuous service through each applicable vesting date. The vesting of the PSUs may accelerate upon certain change in control events.

For purposes of the PSU awards, global bookings, revenue and unlevered free cash flow have the same definitions set forth above under “Cash Bonuses.” The Compensation Committee selected these performance measures based on its belief that they were the best indicators of our successful execution of our annual operating plan and our ability to enhance long-term value creation.

The number of units (and, correspondingly, the number of shares) that could be earned under the PSU awards ranged from 0% to 200% of the target number of PSUs granted, subject to the service-based vesting requirement described above. The levels of performance required to earn the target number of PSUs was approved by the Compensation Committee at the time of grant as follows:

Global Bookings and Revenue + Unlevered Free Cash Flow	Achievement Percentage	Payout Percentage⁽¹⁾
Maximum	125.0%	200%
Target	100.0%	100%
Threshold	75.0%	50%
<Threshold	<75.0%	0%

(1) In the event of actual performance between the threshold and target, or between the target and maximum, performance levels, the payout percentage would be calculated between each designated segment on a linear basis.

The threshold performance level for each corporate performance measure was the minimum performance level that had to be achieved before the performance-vesting condition would be satisfied with respect to any PSUs. If the threshold performance level was not achieved, then no PSUs would become eligible to vest with respect to that measure. The Compensation Committee viewed these performance levels as challenging, but achievable with maximum effort.

In February 2023, the Compensation Committee determined that, for 2022, our corporate performance measures were achieved as follows, resulting in an aggregate weighted payment percentage of 106.0% with respect to the PSUs:

Corporate Performance Measure	Measure Achieved⁽¹⁾	Percentage of Target Measure Achieved⁽²⁾	Payment Percentage	Plan Weight	Weighted Payment Percentage
Revenue + Unlevered Free Cash Flow	813,902	102.6 %	110.5 %	66.67%	73.7 %
Bookings	⁽³⁾	98.5 %	97.0 %	33.33%	32.3 %
Total					106.0 %

(1) The actual performance levels for each performance metric includes the effect of certain acquisitions that occurred during the period.

(2) The target performance levels were not adjusted to include the effect of certain acquisitions that occurred during the period.

(3) We have chosen not to disclose the target performance level for our bookings performance measure as such information is proprietary in nature, the disclosure of which could result in competitive harm to the Company. For 2022, the Board of Directors considered the target performance achievement levels for the booking performance measure to be challenging but achievable with significant effort requiring circumstances to align as projected. The bookings performance attainment reflected a 22.4% increase over our actual bookings results from 2021.

Accordingly, the number of PSUs that were earned by the Named Executive Officers are:

Named Executive Officer	Number of 2022 PSUs Eligible to Service-Vest
Mr. Yoran	53,034
Mr. Vintz	30,053
Mr. Riddick ⁽¹⁾	—
Mr. Thurmond	21,803

(1) As noted above, Mr. Riddick forfeited all PSUs awarded to him in 2022 in connection with his retirement.

The equity awards granted to our Named Executive Officers in 2022 are set forth in the “*Summary Compensation Table*” and the “*Grants of Plan-Based Awards Table*” below.

Health and Welfare, Retirement and ESPP Benefits

Our Named Executive Officers are eligible to receive the same health and welfare benefits that are generally available to all full-time, salaried employees, subject to the satisfaction of certain eligibility requirements, including medical, dental, and vision insurance, business travel insurance, an employee assistance program, health and dependent care flexible spending accounts, basic life insurance, accidental death and dismemberment insurance, short-term and long-term disability insurance, commuter benefits, and reimbursement for mobile phone coverage.

Our Named Executive Officers are also eligible to participate in our 401(k) retirement plan (the “Section 401(k) Plan”) that provides eligible employees with an opportunity to save for retirement on a tax-advantaged basis. For 2022, during each pay period, we made matching contributions to all participating employees for each \$1.00 of an employee’s contribution, up to a maximum of 4% of the employee’s eligible earnings, subject to annual limitations.

We provide additional long-term equity incentives through the 2018 Employee Stock Purchase Plan (the “ESPP”), which became effective in connection with our initial public offering in July 2018. The ESPP is intended to qualify as an “employee stock purchase plan” within the meaning of Section 423 of the Code. Generally, all of our regular employees (including our Named Executive Officers during their employment with us) may participate in the ESPP and may contribute, normally through payroll deductions, up to 15% of their earnings for the purchase of our common stock. The ESPP is implemented through a series of offerings of purchase rights to eligible employees. Each offering will have one or more purchase dates on which our common stock will be purchased for employees participating in the offering. Unless otherwise determined by our Compensation Committee, shares are purchased for accounts of employees participating in the ESPP at a price per share equal to the lower of (a) 85% of the fair market value of our common stock on the first date of an offering or (b) 85% of the fair market value of our common stock on the date of purchase.

Perquisites and Other Personal Benefits

Currently, we do not view perquisites or other personal benefits as a significant component of our executive compensation program. Accordingly, we do not offer perquisites or other personal benefits to our Named Executive Officers, apart from those generally made available to our employees or in situations where we believe it is appropriate to assist an individual in the performance of his or her duties, to make him or her more efficient and effective, and for recruitment and retention purposes. During 2022, none of our Named Executive Officers received perquisites or other personal benefits that were, in the aggregate, \$10,000 or more for each individual.

Compensation-Setting Process

Role of Compensation Committee

The Compensation Committee discharges the responsibilities of our Board of Directors relating to the compensation of our Named Executive Officers, including by overseeing our compensation and benefits policies generally, and overseeing and evaluating the compensation plans, policies, and practices applicable to our CEO and other Named Executive Officers. In so doing, the Compensation Committee reviews our Named Executive Officers' base salary levels, cash bonus targets, and long-term incentive compensation of our Named Executive Officers and all related performance criteria at the beginning of each year, or more frequently as warranted. Compensation adjustments to base salary are generally effective on March 1 and changes to target bonus amounts are generally effective at the beginning of the year. The Compensation Committee also makes compensation recommendations for the non-employee members of our Board of Directors to our full Board of Directors for their review and approval.

The Compensation Committee retains a compensation consultant (as described below) to provide support in its review and assessment of our executive compensation program.

Factors Used in Determining Executive Compensation

In making decisions about the compensation of our Named Executive Officers, the members of the Compensation Committee do not establish a specific target or benchmark against our peers for each executive and instead take a holistic approach, relying primarily on their general experience and consideration of various factors, including the following:

- our executive compensation program objectives;
- our performance against the financial, operational, and strategic objectives established by the Compensation Committee and our Board of Directors;
- each individual Named Executive Officer's knowledge, skills, experience, qualifications, and tenure relative to other similarly situated executives at the companies in our compensation peer group;
- the scope of each Named Executive Officer's role and responsibilities compared to other similarly situated executives at the companies in our compensation peer group;
- the prior performance of each individual Named Executive Officer, based on a subjective assessment of his or her contributions to our overall performance, ability to lead his or her business unit or function, and work as part of a team, all of which reflect our core values;
- the potential of each individual Named Executive Officer to contribute to our long-term financial, operational, and strategic objectives;
- the value of each Named Executive Officer's target total direct compensation opportunity (the sum of base salary, cash bonus opportunity and equity awards);
- our financial performance relative to our peers;
- the compensation practices of our compensation peer group and the positioning of each Named Executive Officer's compensation in a ranking of peer company compensation levels based on an analysis of competitive market data; and
- the recommendations of our CEO with respect to the compensation of our Named Executive Officers (except with respect to his own compensation).

The Compensation Committee does not weigh these factors in any predetermined manner or formulaically, nor is any single factor determinative in setting compensation levels or making compensation decisions. In addition, we have not adopted any formal policies or employed guidelines

for allocating compensation between current and long-term compensation, between cash and non-cash compensation, or among different forms of non-cash compensation. Instead, the members of the Compensation Committee consider the above and other information in light of their individual experience, knowledge of the Company, knowledge of the competitive market, knowledge of each Named Executive Officer, and business judgment in making their decisions.

Role of Management

In discharging its responsibilities, the Compensation Committee works with members of our management who provide information on corporate and individual performance, market compensation data, and other compensation related matters.

In addition, our Compensation Committee seeks the CEO's input with respect to possible adjustments to annual cash compensation, long-term incentive compensation opportunities and other compensation-related matters for our non-CEO Named Executive Officers based on his evaluation of such Named Executive Officers' performance for the prior year. Our CEO also attends meetings of our Board of Directors and the Compensation Committee at which executive compensation matters are addressed, but is not present during discussions involving his own compensation.

Role of Compensation Consultant

The Compensation Committee has retained an independent compensation consultant, Compensia, to advise on executive compensation matters, including competitive market pay practices for our Named Executive Officers, and to assist with the data analysis and development of the compensation peer group. During 2022, Compensia attended the meetings of the Compensation Committee (both with and without management present) as requested and provided various services to assist the committee in carrying out its duties. Under this engagement, Compensia reported directly to the Compensation Committee chair and also coordinated with our management for data collection, job matching for our executives and feedback on PSU design and compensation decisions. In 2022, Compensia did not provide any other services to us other than those done on behalf of the Compensation Committee.

In 2022, the Compensation Committee evaluated the independence of Compensia and, based on this review, determined that no conflict of interest was raised as a result of the work performed by Compensia. In reaching this conclusion, the Compensation Committee considered applicable SEC rules and regulations and the corresponding Nasdaq independence factors regarding compensation advisor independence.

Risk Management

Each year, with the help of our independent compensation consultant, our Compensation Committee reviews whether our compensation policies and practices encourage executives or other employees to take unnecessary or unreasonable risks that could threaten the long-term value of the Company, or that are reasonably likely to have a material adverse effect. The Compensation Committee believes that our practices adequately manage this risk in so far as it:

- adopts an appropriate pay philosophy,
- uses an appropriate, objectively selected peer group to support decision-making,
- reflects risk-mitigating design and governance practices in key areas,
- incentivizes execution on our business strategy,
- is appropriately balanced, with potential for reward based on long-term company performance, and

- reviews actual pay delivery from performance-based incentives to confirm the rigor of goal setting and the alignment with performance.

Competitive Positioning

For purposes of assessing our executive compensation against the competitive market, the Compensation Committee reviews and considers the compensation levels and practices of a select group of peer companies as well as data drawn from the Radford Global Technology Survey. The Compensation Committee reviews our compensation peer group at least annually with the assistance of Compensia and makes adjustments to its composition if warranted, taking into account changes in both our business and the businesses of the companies in the peer group.

When reviewing the peer group in July 2021, Compensia and the Compensation Committee used the following criteria to identify companies reasonably similar to us in terms of revenue, market capitalization, and industry focus:

- publicly traded companies headquartered in the United States and traded on a major United States stock exchange;
- companies in the information technology industry;
- companies with similar revenues - within a range of approximately 0.33x to approximately 3.0x of our last four quarters' revenue of approximately \$460 million (approximately \$150 million to \$1.4 billion)
- companies with similar market capitalizations - within a range of approximately 0.33x to approximately 3.0x of our then market capitalization of approximately \$4.5 billion (approximately \$1.5 billion to approximately \$13.5 billion);
- companies in the Internet/network security software sector; and
- companies with revenue growth generally greater than 20%.

The Compensation Committee approved a compensation peer group for use in 2022 consisting of the following companies:

Anaplan (PLAN)	Five9 (FIVN)	Q2 Holdings (QTWO)
Blackbaud (BLKB)	Guidewire Software (GWRE)	Qualys (QLYS)
Blackline (BL)	Mandiant (MNDT)	Rapid7 (RPD)
Box (BOX)	Momentive Global (MNTV)	Sailpoint Technologies (SAIL)
Commvault Systems (CVLT)	New Relic (NEWR)	Varonis Systems (VRNS)
Cornerstone OnDemand (CSOD)	Paylocity Holding (PCTY)	Zendesk (ZEN)
Elastic N.V. (ESTC)		

market practice. Mr. Thurmond entered into a substantially similar employment agreement as our other Named Executive Officers upon joining the Company in 2020.

For detailed descriptions of the amended and restated employment agreements with our Named Executive Officers, see *“Potential Payments upon Termination or Change in Control”* below.

Post-Employment Compensation

Under their amended and restated employment agreements, our Named Executive Officers are eligible for certain benefits in the event of their termination of employment by virtue of death or disability and in the event of an involuntary termination of employment, including an involuntary termination of employment in connection with a change in control of the Company. We believe that these benefits are representative of market practice and therefore are necessary to motivate and retain our Named Executive Officers.

These arrangements provide reasonable compensation to the Named Executive Officer if he or she leaves our employ under certain circumstances to facilitate his or her transition to new employment. Further, in some instances we seek to mitigate any potential employer liability and avoid future disputes or litigation by requiring a departing Named Executive Officer to execute and deliver an effective general release of claims in favor of the Company in a form acceptable to us as a condition to receiving post-employment compensation payments or benefits. We also believe that these arrangements help maintain the continued focus and dedication of our Named Executive Officers to their assigned duties to maximize stockholder value if there is a potential transaction that could involve a change in control of the Company.

Under the amended and restated employment agreements, all payments and benefits in the event of a change in control of the Company are payable only if there is a subsequent loss of employment by a Named Executive Officer (a so-called “double-trigger” arrangement). In the case of the acceleration of vesting of outstanding equity awards, we use this double-trigger arrangement to protect against the loss of retention value following a change in control of the Company and to avoid windfalls, both of which could occur if vesting of either equity or cash-based awards accelerated automatically as a result of the transaction.

We do not use excise tax payments (or “gross-ups”) relating to a change in control of the Company and have no such obligations in place with respect to any of our Named Executive Officers.

We believe that having in place reasonable and competitive post-employment compensation arrangements, including in the event of a change in control of the Company, are essential to attracting and retaining highly qualified executives. The Compensation Committee does not consider the specific amounts payable under the post-employment compensation arrangements when determining the annual compensation for our Named Executive Officers. We do believe, however, that these arrangements are necessary to offer compensation packages that are competitive.

For detailed descriptions of the post-employment compensation arrangements with our Named Executive Officers, as well as an estimate of the potential payments and benefits payable under these arrangements, see *“Potential Payments upon Termination or Change in Control”* below.

Other Compensation Policies

Hedging and Pledging Prohibitions

Under our Insider Trading Policy, our employees (including officers), members of our Board of Directors, and consultants are prohibited from engaging in short sales, transactions in put or call options, hedging transactions, margin accounts, pledges, or other inherently speculative transactions with respect to our stock.

Compensation Recoupment Policy

In February 2022, our Board of Directors adopted a compensation recoupment (or “clawback”) policy. This policy permits the Compensation Committee, if it determines appropriate and subject to applicable laws, to seek reimbursement of incentive compensation if we are required to restate incorrect financial statements and the executive’s (including each Named Executive Officer’s) misconduct contributed to the noncompliance that results in the obligation to restate the financial statements. Under this policy, the Compensation Committee may seek recoupment of the following incentive compensation received during the three years preceding the date we are required to prepare the accounting restatement (but after adoption of the policy):

- the incremental portion of any cash incentive awards paid based on the financial statements that were subsequently restated in excess of the lower cash incentive awards that would have been paid had the financial statements been properly reported;
- the incremental portion of any equity incentive awards that were received based on the financial statements that were subsequently restated in excess of the portion that would have been earned had the financial statements been properly reported; and
- if the executive sells any shares acquired pursuant to an equity incentive award after the release of earnings for any period with respect to which financial statements are subsequently restated but prior to the announcement of the restatement, the incremental value of the sales proceeds received from the executive’s sale of those shares over the aggregate sales proceeds the executive would have received from the sale at a price per share determined appropriate by the Compensation Committee in its discretion to reflect what our common stock price would have been if the restatement had occurred prior to the date of sale. Our stock incentive plans and executive employment agreements also provide for forfeiture of equity awards and severance if an executive is terminated for cause, including misconduct that results in reputational harm to the Company.

We will review and conform our clawback policy as necessary to comply with the final rules adopted by the SEC pursuant to Section 954 of the Dodd-Frank Wall Street Reform and Consumer Protection Act and the final Nasdaq listing standards thereunder, once effective.

Tax and Accounting Considerations

The Compensation Committee takes the applicable tax and accounting requirements into consideration in designing and overseeing our executive compensation program.

Deductibility of Executive Compensation

In determining executive compensation, the Compensation Committee also considers, among other factors, the possible tax consequences to the company and to its executives. To maintain

maximum flexibility in designing compensation programs, the Compensation Committee, while considering company tax deductibility as one of its factors in determining compensation, will not limit compensation to those levels or types of compensation that are intended to be deductible.

Under Section 162(m) of the Code (“Section 162(m)”), compensation paid to each of the Company’s “covered employees” that exceeds \$1 million per taxable year is generally non-deductible unless the compensation qualifies for certain grandfathered exceptions (including the “performance-based compensation” exception) for certain compensation paid pursuant to a written binding contract in effect on November 2, 2017 and not materially modified on or after such date.

Although the Compensation Committee will continue to consider tax implications as one factor in determining executive compensation, the Compensation Committee also looks at other factors in making its decisions and retains the flexibility to provide compensation for the Company’s named executive officers in a manner consistent with the goals of the Company’s executive compensation program and the best interests of the Company and its stockholders, which may include providing for compensation that is not deductible by the Company due to the deduction limit under Section 162(m). The Compensation Committee also retains the flexibility to modify compensation that was initially intended to be exempt from the deduction limit under Section 162(m) if it determines that such modifications are consistent with the Company’s business needs.

Accounting for Stock-Based Compensation

The Compensation Committee takes accounting considerations into account in designing compensation plans and arrangements for our executives and other employees. Chief among these is Financial Accounting Standards Board Accounting Standards Codification Topic 718 (“ASC Topic 718”), the standard which governs the accounting treatment of certain stock-based compensation. Among other things, ASC Topic 718 requires us to record a compensation expense in our income statement for all equity awards granted to our executives and other employees. This compensation expense is based on the grant date “fair value” of the equity award and, in most cases, will be recognized ratably over the award’s requisite service period (which, generally, will correspond to the award’s vesting schedule). This compensation expense is also reported in the compensation tables below, even though recipients may never realize any value from their equity awards.

EXECUTIVE COMPENSATION

SUMMARY COMPENSATION TABLE

The following table sets forth information regarding compensation awarded to, earned by and paid to our Named Executive Officers with respect to the years ended December 31, 2020, 2021 and 2022.

Name and Principal Position	Year	Salary	Stock Awards ⁽¹⁾	Non-Equity Incentive Plan Compensation ⁽²⁾	All Other Compensation ⁽³⁾	Total
Amit Yoran ⁽⁴⁾ Chief Executive Officer and Chairman	2022	\$ 484,167	\$ 8,999,981	\$ 500,636	\$ —	\$ 9,984,784
	2021	466,667	7,499,972	513,992	—	8,480,631
	2020	441,667	6,599,993	409,008	300	7,450,968
Stephen A. Vintz Chief Financial Officer	2022	411,667	5,099,958	372,393	12,200	5,896,218
	2021	395,833	4,099,975	382,760	11,600	4,890,168
	2020	370,833	3,999,987	295,394	11,742	4,677,956
Stephen A. Riddick Former General Counsel and Corporate Secretary	2022	293,125	2,499,972 (5)	116,749	12,200	2,922,046
	2021	355,000	2,199,998	196,849	11,600	2,763,447
	2020	328,333	1,799,998	149,969	11,717	2,290,017
Mark Thurmond Chief Operating Officer	2022	411,667	3,699,997	372,393	8,832	4,492,889

(1) This column reflects the aggregate grant date fair value of RSUs and PSUs granted during the year measured pursuant to ASC Topic 718. This calculation assumes that the Named Executive Officer will perform the requisite service for the award to vest in full as required by SEC rules. The PSUs must satisfy both a performance-based requirement and a service-based requirement to vest. Accordingly, the grant date fair value of the PSUs is based upon reaching the target performance conditions on the grant date. Assuming maximum performance conditions are achieved, the total value of stock awards granted in 2022 to Messrs. Yoran, Vintz, Riddick and Thurmond would be \$11,249,965, \$6,374,947, \$3,124,965 and \$4,624,985, respectively.

The amounts reported do not reflect the actual economic value that will be realized by the Named Executive Officer upon vesting of the RSU or PSU or the sale of common stock underlying such RSUs or PSUs. The assumptions we used in valuing RSUs and PSUs are described in Note 10 to our consolidated financial statements included in our Annual Report on Form 10-K for the year ended December 31, 2022.

(2) These amounts reflect the cash awards paid under the short-term cash incentive bonus plan for performance during the applicable year. See the Compensation Discussion and Analysis for a more complete description of how the cash bonuses were determined for the year ended December 31, 2022.

(3) These amounts include company matching contributions under our 401(k) Plan. Additionally, in 2020, all employees were granted a one-time remote work stipend of \$300 due to the COVID-19 pandemic.

(4) Mr. Yoran is also a member of our Board of Directors but does not receive any additional compensation in his capacity as a director.

(5) Mr. Riddick forfeited all RSUs and PSUs awarded to him in 2022 in connection with his retirement in October 2022 and, as a result, did not and will not receive any economic value from the canceled portion of the RSUs and of PSUs.

Grants of Plan-Based Awards

The following table provides information on cash-based performance awards and restricted stock unit awards in 2022 to our Named Executive Officers. There can be no assurance that the Grant Date Fair Value, as listed in this table, of the Stock Awards will ever be realized. These Grant Date Fair Value amounts also are included in the "Stock Awards" column of the Summary Compensation Table.

Name	Grant Date	Estimated Future Payouts Under Non-Equity Incentive Plan Awards			Estimated Future Payouts Under Equity Incentive Plan Awards ⁽¹⁾			All Other Stock Awards: Number of Shares of Stock or Units (#) ⁽²⁾	Grant Date Fair Value of Stock Awards (\$) ⁽³⁾
		Threshold (\$)	Target (\$)	Maximum (\$)	Threshold (#)	Target (#)	Maximum (#)		
Amit Yorán	(4)	\$304,375	\$487,000	\$974,000					
	2/23/2022				25,016	50,033	100,066	150,100	\$ 8,999,981
Stephen A. Vintz	(4)	226,406	362,250	724,500					
	2/23/2022				14,176	28,352	56,704	85,056	5,099,958
Stephen A. Riddick	(4)	116,563	186,500	373,000					
	2/23/2022 (5)				6,949	13,898	27,796	41,694	2,499,972
Mark Thurmond	(4)	226,406	362,250	724,500					
	2/23/2022				10,284	20,569	41,138	61,708	3,699,997

(1) PSUs granted under our 2018 Equity Incentive Plan were subject to the achievement of (i) pre-established target levels for global bookings (weighted 33.33%) and revenue + unlevered free cash flow (weighted 66.67%) during the one-year performance period beginning on January 1, 2022, and (ii) a service-based vesting requirement, with 25% of the shares subject to the RSU award vesting on February 23, 2023, and the remainder continue to vest in equal quarterly installments over three years thereafter, in each case subject to the recipient's continued service, and subject to accelerated vesting in specified circumstances. The amount shown reflect the share amounts, specifically the threshold, target and the maximum potential awards of PSUs granted. The material terms of the PSUs are further described in "Compensation Discussion & Analysis-Compensation Elements-Long-Term Incentive Compensation".

(2) RSUs granted under our 2018 Equity Incentive Plan vest 25% on February 23, 2023, and quarterly thereafter for the following three years. Each award is settled in shares of common stock on each vesting date, subject to the recipients continued service with the company through the applicable vesting date and subject to accelerated vesting in specified circumstances.

(3) The grant date fair value is computed in accordance with FASB ASC Topic 718 for PSUs and RSUs granted during the year.

(4) These rows represent possible payouts pursuant to the short-term cash incentive bonus plan for 2022. For 2022, the short-term cash incentive bonus plan included a minimum threshold of 75% of each quarterly and annual short-term cash incentive bonus opportunity and are capped at 200% of the target amount. For more information about these payments, see the Compensation Discussion & Analysis.

(5) Mr. Riddick forfeited all RSUs and PSUs awarded to him in 2022 in connection with his retirement in October 2022.

Outstanding Equity Awards

The following table sets forth certain information about outstanding equity awards granted to our Named Executive Officers that remain outstanding as of December 31, 2022.

Name	Grant Date	Option Awards ⁽¹⁾				Stock Awards			
		Number of Securities Underlying Unexercised Options (#) Exercisable	Number of Securities Underlying Unexercised Options (#) Unexercisable	Option Exercise Price ⁽²⁾	Option Expiration Date	Number of Shares of Stock That Have Not Vested (#)	Market Value of Shares of Stock That Have Not Vested ⁽³⁾	Equity Incentive Plan Awards: Number of Unearned Shares, Units or Other Rights That Have Not Vested (#)	Equity Incentive Plan Awards: Market Value of Unearned Shares, Units or Other Rights That Have Not Vested ⁽³⁾ (\$)
Amit Yoran	1/18/2017	1,988,055	—	\$ 4.25	1/18/2027				
	6/21/2018	565,657	—	16.21	6/21/2028				
	2/20/2019	—	—			13,244	(4) \$ 505,259		
	2/19/2020	—	—			72,753	(5) 2,775,527		
	2/17/2021	—	—			96,210	(6) 3,670,412		
	2/23/2022	—	—			150,100	(7) 5,726,315	53,034	(8) 2,023,247
Stephen A. Vintz	12/16/2014 ⁽⁹⁾	305,500	—	2.36	12/16/2024				
	6/30/2016	105,000	—	4.15	6/30/2026				
	6/21/2018	423,434	—	16.21	6/21/2028				
	2/20/2019	—	—			8,545	(4) 325,992		
	2/19/2020	—	—			44,094	(5) 1,682,186		
	2/17/2021	—	—			52,596	(6) 2,006,537		
	2/23/2022	—	—			85,056	(7) 3,244,886	30,053	(8) 1,146,522
Mark Thurmond	2/7/2020	—	—			65,513	(10) 2,499,321		
	2/17/2021	—	—			41,049	(6) 1,566,019		
	2/23/2022	—	—			61,708	(7) 2,354,160	21,803	(8) 831,784

(1) Except as noted, all of the options listed in the table were granted under our 2016 Stock Incentive Plan.

(2) All of the option awards listed in the table were granted with a per share exercise price equal to or above the fair market value of one share of our common stock on the date of grant, as determined in good faith by our Board of Directors.

(3) Represents the market value of the RSU or PSU based on the closing price of our common stock of \$38.15 per share on December 31, 2022.

(4) Granted under our 2018 Equity Incentive Plan. 25% of the shares subject to the RSU award vested on February 20, 2020, and the remainder continue to vest in equal quarterly installments over three years thereafter, in each case subject to the recipient's continued service, and subject to accelerated vesting in specified circumstances.

(5) Granted under our 2018 Equity Incentive Plan. 25% of the shares subject to the RSU award vested on February 19, 2021, and the remainder continue to vest in equal quarterly installments over three years thereafter, in each case subject to the recipient's continued service, and subject to accelerated vesting in specified circumstances.

(6) Granted under our 2018 Equity Incentive Plan. 25% of the shares subject to the RSU award vested on February 17, 2022, and the remainder continue to vest in equal quarterly installments over three years thereafter, in each case subject to the recipient's continued service, and subject to accelerated vesting in specified circumstances.

(7) Granted under our 2018 Equity Incentive Plan. 25% of the shares subject to the RSU award vested on February 23, 2023, and the remainder continue to vest in equal quarterly installments over three years thereafter, in each case subject to the recipient's continued service, and subject to accelerated vesting in specified circumstances.

(8) Granted under our 2018 Equity Incentive Plan. The PSU awards are subject to the achievement of (i) pre-established target levels for global bookings (weighted 33.33%) and revenue + unlevered free cash flow (weighted 66.67%) during the one-year performance period beginning on January 1, 2022, and (ii) a service-based vesting requirement, with 25% of the shares subject to the RSU award vesting on February 23, 2023, and the remainder continuing to vest in equal quarterly installments over three years thereafter, in each case subject to the recipient's continued service, and subject to accelerated vesting in specified circumstances. The performance period for the PSU awards ended as of December 31, 2022.

(9) Granted under our 2012 Stock Incentive Plan.

(10) Granted under our 2018 Equity Incentive Plan. 25% of the shares subject to the RSU award vested on February 3, 2021, and the remainder continue to vest in equal quarterly installments over three years thereafter, in each case subject to the recipient's continued service, and subject to accelerated vesting in specified circumstances.

Options Exercised and Stock Vested

The following table shows information regarding the exercise of options and the vesting of stock previously granted to our Named Executive Officers during 2022.

Name	Option Awards		Stock Awards	
	Number of Shares Acquired on Exercise (#)	Value Realized on Exercise (\$) ⁽¹⁾	Number of Shares Acquired on Vesting (#)	Value Realized on Vesting (\$) ⁽²⁾
Amit Yoran	331,469	\$ 13,613,557	186,002	\$ 8,135,730
Stephen A. Vintz	—	—	110,352	4,819,871
Stephen A. Riddick	65,342	2,331,496	39,689	1,797,810
Mark Thurmond	—	—	84,335	3,855,799

(1) The dollar amounts shown are determined by multiplying the number of options that were exercised by the intrinsic value of the options exercised based on the per share closing price of our common stock on the exercise date.

(2) The dollar amounts shown are determined by multiplying the number of shares that vested by the per share closing price of our common stock on the vesting date.

Employment Agreements with Our Named Executive Officers

Mr. Yoran

We entered into an offer letter with Mr. Yoran in October 2016, an addendum thereto in February 2017 and an amended and restated employment agreement in February 2019. Pursuant to the terms of his amended and restated employment agreement, Mr. Yoran's employment is at will and may be terminated at any time by us or Mr. Yoran. The employment agreement provided for an initial annual base salary and bonus target, each subject to increase by the Board or Compensation Committee. In connection with entering into his amended and restated employment agreement, Mr. Yoran also entered into an intellectual property, non-disclosure and non-solicitation agreement with us.

Under his employment agreement currently in effect, if Mr. Yoran is terminated without cause or resigns for good reason (each as defined in his amended and restated employment agreement), or if Mr. Yoran dies or his employment is terminated due to disability (as defined in his amended and restated employment agreement), provided he (or his estate, as applicable) signs and does not revoke a separation agreement that includes a release of claims, Mr. Yoran (or his estate) is eligible to receive 18 months of continued base salary, payment by the company of the employer-portion of premiums for continued group health coverage for up to 12 months following termination, and a lump sum cash payment equal to Mr. Yoran's target annual bonus for the year in which the termination occurs, prorated based on the last day of employment and reduced by the amount of any quarterly bonuses previously paid or due for the year in which the termination occurs. If Mr. Yoran is terminated without cause or resigns for good reason within the three months prior to or 12 months following a change in control (as defined in his amended and restated employment agreement), provided he signs and does not revoke a separation agreement that includes a release of claims, Mr. Yoran is eligible to receive the same base salary severance and group health plan contributions set forth above (provided that the base salary severance will be paid in a lump sum), a bonus severance payment equal to the sum of (i) 1.5 times Mr. Yoran's target annual bonus for the year in which the termination occurs, prorated based on the last day of employment and reduced by the amount of any quarterly bonuses previously paid or due for the year in which the termination occurs, plus (ii) 1.5 times Mr. Yoran's target annual bonus for the year in which the termination occurs, and accelerated vesting in full of any outstanding unvested equity incentive awards held by Mr. Yoran. Such severance is further conditioned upon Mr. Yoran's compliance with certain non-disclosure and non-solicitation obligations and resignation from all positions with us.

In addition, pursuant to the terms of Mr. Yoran's outstanding restricted stock unit awards granted under the Company's 2018 Equity Incentive Plan, if Mr. Yoran's employment is terminated due to death or disability, or if he remains employed through the date of a change in control and his restricted stock units are not continued, assumed or substituted for by the acquiror in connection with the change in control, the unvested restricted stock units will become fully vested.

Mr. Vintz, Mr. Riddick and Mr. Thurmond

We entered into an offer letter with Mr. Vintz in October 2014 and an amended and restated employment agreement in February 2019. Pursuant to the terms of his amended and restated

employment agreement, Mr. Vintz's employment is at will and may be terminated at any time by us or Mr. Vintz. The employment agreement provided for an initial annual base salary and bonus target, each subject to increase by the Board or Compensation Committee. In connection with entering into his amended and restated employment agreement, Mr. Vintz also entered into an intellectual property, non-disclosure and non-solicitation agreement with us.

We entered into an offer letter with Mr. Riddick in May 2016 and an amended and restated employment agreement in February 2019. Pursuant to the terms of his employment agreement, Mr. Riddick's employment is at will and may be terminated at any time by us or Mr. Riddick. The employment agreement provided for an initial annual base salary and bonus target, each subject to increase by the Board or Compensation Committee. In connection with entering into his amended and restated employment agreement, Mr. Riddick also entered into an intellectual property, non-disclosure and non-solicitation agreement with us.

We entered into an employment agreement with Mr. Thurmond in January 2020. Pursuant to the terms of his employment agreement, Mr. Thurmond's employment is at will and may be terminated at any time by us or Mr. Thurmond. The employment agreement provided for an initial base salary and bonus target, each subject to increase by the Board or Compensation Committee. The employment agreement also provided for a one-time signing bonus and an annual equity award target which is subject to the discretion of the Board or the Compensation Committee. In connection with entering into his employment agreement, Mr. Thurmond also entered into an intellectual property, non-disclosure and non-solicitation agreement with us.

Under the employment agreements currently in effect with Mr. Vintz, Mr. Riddick and Mr. Thurmond, if the Named Executive Officer is terminated without cause or resigns for good reason (each as defined in the amended and restated employment agreement), provided the Named Executive Officer signs and does not revoke a separation agreement that includes a release of claims, the Named Executive Officer is eligible to receive 12 months of continued base salary, payment by the company of the employer-portion of premiums for continued group health coverage for up to 12 months following termination, and a lump sum cash payment equal to the Named Executive Officer's target annual bonus for the year in which the termination occurs, prorated based on the last day of employment and reduced by the amount of any quarterly bonuses previously paid or due for the year in which the termination occurs. If such termination or resignation occurs within the three months prior to or 12 months following a change in control (as defined in his amended and restated employment agreement), provided the Named Executive Officer signs and does not revoke a separation agreement that includes a release of claims, the Named Executive Officer is eligible to receive the same base salary severance and group health plan contributions set forth above (provided that the base salary severance will be paid in a lump sum), a bonus severance payment equal to the sum of (i) one times the Named Executive Officer's target annual bonus for the year in which the termination occurs, prorated based on the last day of employment and reduced by the amount of any quarterly bonuses previously paid or due for the year in which the termination occurs, plus (ii) one times the Named Executive Officer's target annual bonus for the year in which the termination occurs, and accelerated vesting in full of any outstanding unvested equity incentive awards held by the Named Executive Officer. In addition, if the Named Executive Officer dies or his employment is terminated due to disability (as defined in his employment agreement), provided the Named Executive Officer's estate or the Named Executive Officer, as applicable, signs and does not revoke a separation agreement that includes a release of claims, the Named Executive Officer's dependents and the Named Executive Officer, as applicable, are eligible to receive payment by the company of the employer-portion of premiums for continued group health coverage for up to 12 months following termination. Such severance is further conditioned upon the Named Executive Officer's compliance with certain non-disclosure and non-solicitation obligations and resignation from all positions with us.

In addition, pursuant to the terms of the outstanding restricted stock unit awards granted under the Company's 2018 Equity Incentive Plan held by Mr. Vintz, Mr. Riddick and Mr. Thurmond, if his employment is terminated due to death or disability, or if he remains employed through the date of a change in control and his restricted stock units are not continued, assumed or substituted for by the acquiror in connection with the change in control, the unvested restricted stock units will become fully vested.

Potential Payments Upon Termination or Change in Control

The table below sets forth the values that the continuing Named Executive Officers would derive in the event of (i) death or disability, (ii) termination without cause or resignation for good reason not in connection with a change of control ("*Non-CIC Termination*"), and (iii) termination without cause or resignation for good reason in connection with a change of control ("*CIC Termination*"), assuming that in each case the event occurred on the last business day of 2022.

Name	Death/Disability		Non-CIC Termination		CIC Termination	
	Cash Severance ⁽¹⁾	Equity Severance ⁽²⁾	Cash Severance ⁽³⁾	Equity Severance ⁽²⁾	Cash Severance ⁽⁴⁾	Equity Severance ⁽⁵⁾
Amit Yoran	\$ 933,266	\$ 14,081,012	\$ 933,266	\$ —	\$ 1,907,266	\$ 14,586,271
Stephen A. Vintz	12,126	8,015,239	561,608	—	923,858	8,341,230
Mark Thurmond	70,387	7,204,208	619,869	—	982,119	7,204,208

(1) For Mr. Vintz and Mr. Thurmond, represents the value of the payment by the company of the employer-paid portion of premiums for continued group health coverage for 12 months following termination. For Mr. Thurmond, it also includes the value of any accrued but unused vacation, as required by state law. For Mr. Yoran, represents the value of 18 months of continued base salary, payment by the company of the employer-paid portion of premiums for continued group health coverage for 12 months following termination, and a lump sum cash payment equal to Mr. Yoran's target annual bonus reduced by the amount of the quarterly bonuses paid during 2022.

(2) Represents the value of accelerated vesting of restricted stock units and the value of accelerated vesting of the target amount of performance restricted stock units, as applicable, in each case based on the closing price of our common stock of \$38.15 per share on December 31, 2022. The PSUs granted in 2022 would have been forfeited in connection with a termination due to a Non-CIC Termination prior to satisfaction of the applicable performance-based vesting condition.

(3) Represents the value of 12 months of continued base salary (18 months for Mr. Yoran), payment by the company of the employer-paid portion of premiums for continued group health coverage for 12 months following termination, and a lump sum cash payment equal to the Named Executive Officer's target annual bonus reduced by the amount of the quarterly bonuses paid during 2022. For Mr. Thurmond, it also includes the value of any accrued but unused vacation, as required by state law.

(4) Represents the value of a lump sum cash payment equal to 12 months of base salary (18 months for Mr. Yoran), payment by the company of the employer-paid portion of premiums for continued group health coverage for 12 months following termination, a lump sum cash payment equal to one times the Named Executive Officer's target annual bonus (1.5 times for Mr. Yoran) reduced by the amount of the quarterly bonuses paid during 2022, and a lump sum cash payment equal to one times the Named Executive Officer's target annual bonus (1.5 times for Mr. Yoran). For Mr. Thurmond, it also includes the value of any accrued but unused vacation, as required by state law.

(5) Represents the value of accelerated vesting of restricted stock units and the value of accelerated vesting of PSUs granted in 2022, as applicable. In connection with a CIC Termination (or upon the occurrence of a change of control where the PSUs are not continued, assumed or substituted by the acquirer), the performance-based vesting condition would be deemed satisfied at 100% of target, and the service-based condition would be deemed satisfied as of the later to occur of the closing date of the change in control or the CIC Termination. All values reported in this column are based on the closing price of our common stock of \$38.15 per share on December 31, 2022.

CEO Pay Ratio

Under the Dodd-Frank Wall Street Reform and Consumer Protection Act and SEC rules, we are required to provide a reasonable estimate of the ratio of the annual total compensation of Mr. Yoran, our Chief Executive Officer, to the median of the annual total compensation of our other employees. In accordance with Instruction 2 to Item 402(u) of Regulation S-K under the Securities Act of 1933, as amended, because there has been no change in our employee population or employee compensation arrangements in the last year that we reasonably believe would result in a significant change to our pay ratio disclosure, we elected to utilize the same median employee we had identified in 2020 to calculate our 2022 CEO pay ratio. For our last completed year, which ended December 31, 2022:

- The median of the annual total compensation of all of our employees (other than Mr. Yoran), including employees of our consolidated subsidiaries, was approximately \$198,142. This annual total compensation is calculated in accordance with Item 402(c)(2)(x) of Regulation S-K, and reflects, among other things, salary and bonus earned and aggregate “grant date fair value” of RSU awards granted during 2022.
- Mr. Yoran's annual total compensation for 2022, as reported in the Summary Compensation Table included in this Proxy Statement, was \$9,984,784.
- Based on the above, for 2022, the ratio of Mr. Yoran's annual total compensation to the median of the annual total compensation of all employees was approximately 50 to 1.

This pay ratio is a reasonable estimate calculated in a manner consistent with Item 402(u) of Regulation S-K under the Securities Act of 1933, as amended, and applicable guidance and is based upon our reasonable judgment and assumptions. The SEC rules do not specify a single methodology for identification of the median employee or calculation of the pay ratio, and other companies may use assumptions and methodologies that are different from those used by us in calculating their pay ratio. Accordingly, the pay ratio disclosed by other companies, even companies within the same industry as us, may not be comparable to our pay ratio as disclosed above.

The methodology, including any material assumptions, adjustments and estimates, we used to calculate identify the median employee and calculate the 2022 pay ratio is described below.

- For purposes of the pay ratio calculation, we included substantially all of our full-time, part-time and temporary employees globally as of December 31, 2020. As permitted by the SEC rules, we excluded 5% of our global employee population from the calculation by excluding all employees in a given jurisdiction located outside of the United States, starting with the jurisdiction that had the lowest number of employees as of December 31, 2020, and continuing to exclude all employees in jurisdictions with an increasingly greater number of employees as of such date until 5% of our total global employee population was excluded. We excluded these employees given the small number of employees in those jurisdictions and the estimated cost of obtaining their compensation information. As of December 31, 2020, our workforce consisted of 1,301 employees (including individuals employed by our

consolidated subsidiaries), 912 of whom were U.S. employees, and 389 (or approximately 30% of our total employee population as of December 31, 2020) were employees located outside of the United States, after excluding 66 employees located outside the United States via the methodology described above.

- To identify the median employee from the employee population described above, we determined the sum of each employee's (i) annual base salary as of December 31, 2020 (calculated as annual base pay using a reasonable estimate of hours worked during 2020 for hourly employees and using annual base salary for our remaining employees), plus (ii) earned annual cash incentive bonus or commission, as applicable, for 2020. Permanent employees who joined in 2020 were assumed to have worked for the entire year, and thus we annualized the pay of such new hires. This compensation measure was consistently applied to all employees included in the calculation and reasonably reflects the annual compensation of all of our employees. Compensation paid in foreign currency was converted to U.S. dollars using a spot exchange rate on December 31, 2020. In determining the median compensated employee, we did not make any cost of living adjustments to the compensation paid to any employee outside of the U.S.
- Once we identified our median employee, we calculated the median employee's annual total compensation in accordance with the requirements of Item 402(c)(2)(x) of Regulation S-K, including for this purpose the aggregate grant date fair value of equity awards (as determined in accordance with footnote 1 of the 2022 Summary Compensation Table) granted in 2022, yielding the median annual total compensation disclosed above. With respect to Mr. Yoran's annual total compensation, we used the amount reported in the "Total" column of our 2022 Summary Compensation Table.

Pay Versus Performance

The disclosure included in this section is prescribed by SEC rules and does not necessarily align with how the Company or the Compensation Committee view the link between the Company's performance and NEO pay. For additional information about our pay-for-performance philosophy and how we align executive compensation with Company performance, refer to the Compensation Discussion and Analysis.

Pay Versus Performance Table

	Summary Compensation Table Total for PEO ⁽¹⁾	Compensation Actually Paid to PEO ⁽²⁾	Average Summary Compensation Table Total for Non-PEO NEOs ⁽³⁾	Average Compensation Actually Paid to Non-PEO NEOs ⁽⁴⁾	Value of Initial Fixed \$100 Investment Based On:		Net Loss (in 000s)	Revenue ⁽⁷⁾ (In 000s)
					Total Shareholder Return ⁽⁵⁾	Peer Group Total Shareholder Return ⁽⁶⁾		
2022	\$ 9,984,784	\$ 2,495,451	\$ 4,437,051	\$ (307,171)	\$ 159.22	\$ 132.79	\$ (92,222)	\$ 683,191
2021	8,480,631	9,080,956	3,826,808	3,777,785	229.84	206.76	(46,677)	541,130
2020	7,450,968	42,535,471	3,483,987	12,993,389	218.11	149.98	(42,731)	440,221

(1) The dollar amounts are the total compensation reported for Mr. Yoran (our principal executive officer, or PEO) for each corresponding year in the "Total" column of the Summary Compensation Table. Refer to "Executive Compensation – Summary Compensation Table."

(2) Compensation actually paid to Mr. Yoran does not reflect the actual amount of compensation earned by or paid. In accordance with the requirements of Item 402(v) of Regulation S-K, the

following adjustments were made to Mr. Yoran's total compensation for each year to determine the compensation actually paid:

	Equity Award Adjustments					
	Summary Compensation Table Total for PEO	Less: Reported Value of Equity Awards ^(a)	Year End Fair Value of Equity Awards Granted in the Year	Year over Year Change in Fair Value of Outstanding and Unvested Equity Awards	Year over Year Change in Fair Value of Equity Awards Granted in Prior Years that Vested in the Year	Total Compensation Actually Paid to PEO
2022	\$ 9,984,784	\$ (8,999,981)	\$ 7,635,074	\$ (3,082,942)	\$ (3,041,484)	\$ 2,495,451
2021	8,480,631	(7,499,972)	9,419,008	1,115,524	(2,434,235)	9,080,956
2020	7,450,968	(6,599,993)	12,166,337	23,280,181	6,237,978	42,535,471

(a) The grant date fair value of equity awards represents the total of the amounts reported in the "Stock Awards" columns in the Summary Compensation Table for the applicable year.

(3) The dollar amounts represent the average of the amounts reported for our NEOs as a group (excluding Mr. Yoran) in the "Total" column of the Summary Compensation Table in each applicable year. The non-PEO NEOs are Messrs. Riddick, Thurmond and Vintz for 2022 and Messrs. Riddick and Vintz for 2021 and 2020.

(4) Average compensation actually paid to our non-PEO NEOs does not reflect the actual amount of compensation earned by or paid. In accordance with the requirements of Item 402(v) of Regulation S-K, the following adjustments were made to our non-PEO NEOs average total compensation for each year to determine the compensation actually paid, using the same methodology described above in Note 2:

	Equity Award Adjustments						
	Average Summary Compensation Table Total for Non-PEO NEOs	Less: Reported Value of Equity Awards	Year End Fair Value of Equity Awards Granted in the Year	Year over Year Change in Fair Value of Outstanding and Unvested Equity Awards	Year over Year Change in Fair Value of Equity Awards Granted in Prior Years that Vested in the Year	Fair Value at End of Prior Year of Awards that Failed to Meet Vesting Conditions in the Year ^(a)	Total Average Compensation Actually Paid to Non-PEO NEOs
2022	\$ 4,437,051	\$ (3,766,642)	\$ 2,488,461	\$ (1,194,535)	\$ (1,148,959)	\$ (1,122,547)	\$ (307,171)
2021	3,826,808	(3,149,987)	3,955,981	440,475	(1,295,492)	—	3,777,785
2020	3,483,987	(2,899,993)	5,345,806	6,090,323	973,266	—	12,993,389

(a) In connection with his retirement in October 2022, Mr. Riddick forfeited all of his unvested awards.

(5) Total shareholder return, or TSR, is determined based on the value of an initial fixed investment of \$100 on December 31, 2019. Cumulative TSR is calculated by dividing the sum of the cumulative amount of dividends for the measurement period, assuming dividend reinvestment, and the difference between the Company's share price at the end and the beginning of the measurement period by the Company's share price at the beginning of the measurement period.

(6) Represents the weighted peer group TSR, weighted according to the respective companies' stock market capitalization at the beginning of each period for which a return is indicated. As permitted by SEC rules, the peer group used for this purpose is the group of companies included in the NASDAQ Computer Index, which is the industry peer group used in our Annual Report pursuant to Item 201(e) of Regulation S-K for the fiscal year ended December 31, 2022.

(7) Revenue is selected as the most important performance measurement for the current year.

Important Performance Measures

The most important financial performance measures used by the company to link compensation actually paid to the Company's NEOs for the most recently completed fiscal year to the Company's performance are set forth below. For further information regarding these performance metrics and their function in our executive compensation program, please see Compensation Discussion and Analysis.

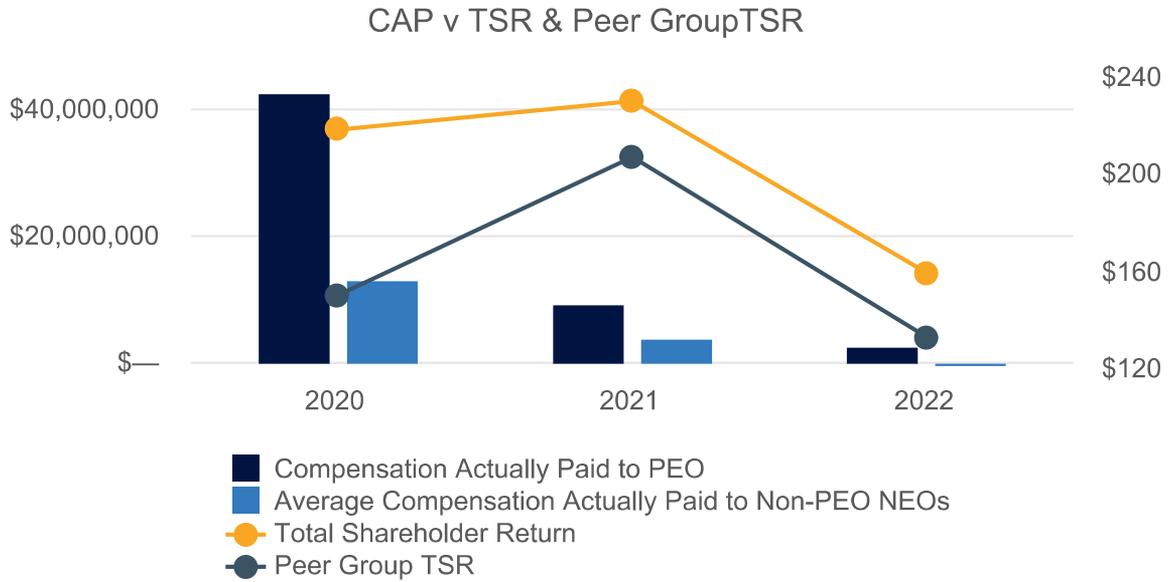
- Revenue
- Calculated Current Billings
- Unlevered Free Cash Flow

Relationships Between Compensation Actually Paid and Financial Performance Measures

As required by Item 402(v) of Regulation S-K, we are providing the following graphs to illustrate the relationships between the pay and performance measures that are included in the pay versus performance tabular disclosure above. As noted above, other than with respect to Revenue, the performance measures included in the graphs below do not align with how the Company or the Compensation Committee view the link between the Company's performance and NEO pay. The "compensation actually paid" for purposes of the tabular disclosure and the following graphs were calculated in accordance with SEC rules and do not fully represent how our Compensation Committee assesses or determines the actual final amount of compensation earned by or actually paid to our NEOs during the applicable years.

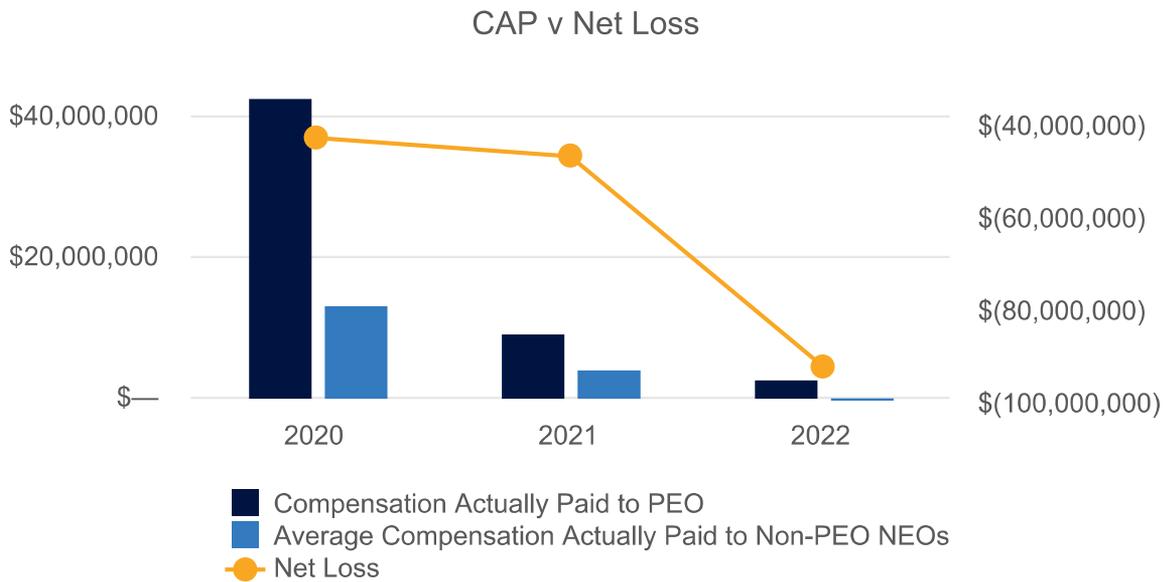
Compensation Actually Paid, TSR and Peer Group TSR

The following graph sets forth the relationship between compensation actually paid to our CEO, the average of compensation actually paid to our other NEOs, and the Company's cumulative TSR and the cumulative TSR of the NASDAQ Computer Index over the three most recently completed fiscal years.



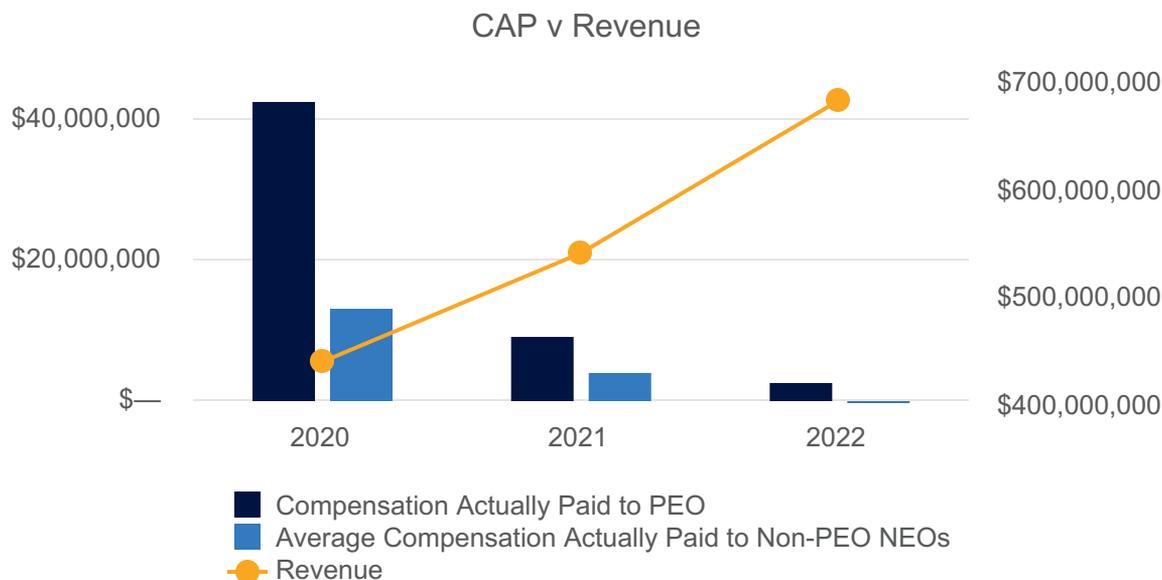
Compensation Actually Paid and Net Loss

The following graph sets forth the relationship between compensation actually paid to our PEO, the average of compensation actually paid to our other NEOs, and the Company's net loss over the three most recently completed fiscal years.



Compensation Actually Paid and Revenue

The following graph sets forth the relationship between compensation actually paid to our PEO, the average of compensation actually paid to our other NEOs, and revenue over the three most recently completed fiscal years. For further information on how Revenue impacts executive compensation, please see "Compensation Discussion and Analysis" beginning on page 45.



All information provided above under the "Pay Versus Performance" heading will not be deemed to be incorporated by reference into any filing of the Company under the Securities Act of 1933, as amended, or the Securities Exchange Act of 1934, as amended, whether made before or after the date hereof and irrespective of any general incorporation language in any such filing, except to the extent the Company specifically incorporates such information by reference.

DIRECTOR COMPENSATION

Director Compensation

This section provides information regarding the compensation of our non-employee directors in 2022. Our non-employee directors are also entitled to reimbursement of direct expenses incurred in connection with attending meetings of our Board of Directors or committees thereof. We may provide both cash and equity compensation to our independent directors.

2022 Cash Compensation

Except as described in the footnotes to the director compensation table below, the cash compensation amounts set forth below were payable to each non-employee director for their service on the Board of Directors of the company for the year ended December 31, 2022:

	Annual Retainer (\$)	
Annual Board Service Retainer	\$	35,000
Lead Independent Director Service Retainer		18,000

	Annual Retainer (\$)	
	Chairperson	Committee Member
Audit Committee	\$ 20,000	\$ 10,000
Compensation Committee	13,500	6,000
Nominating and Corporate Governance Committee	8,000	4,000

2022 Equity Compensation

On May 25, 2022, every current director as of that date was granted 4,044 RSUs, with the shares underlying the RSUs vesting on the earlier of the first anniversary of the date of grant of the company's next annual stockholder meeting, subject to each director's continued service as a director through the applicable vesting date and accelerated vesting in specified circumstances. Mr. Vicks and Mr. Tosheff were appointed to the Board in January 2022 and September 2022, respectively, and received 8,085 RSUs and 9,861 RSUs, respectively, in connection with such appointments. The shares underlying the RSUs vest annually over three years, subject to continued service as a director through the applicable vesting dates and accelerated vesting in specified circumstances.

2022 Director Compensation Table

The following table provides information as to the compensation of our non-employee directors for the year ended December 31, 2022.

Name ⁽¹⁾	Fees Earned or Paid in Cash	Stock Awards ⁽²⁾⁽³⁾	Total
Arthur W. Coviello, Jr.	\$ 61,000	\$ 199,976	\$ 260,976
Kimberly L. Hammonds ⁽⁴⁾	24,500	199,976	224,476
Niloofer Razi Howe	41,000	199,976	240,976
John C. Huffard, Jr.	35,000	199,976	234,976
Jerry M. Kennelly ⁽⁵⁾	36,375	199,976	236,351
A. Brooke Seawell	55,000	199,976	254,976
Richard M. Wells ⁽⁶⁾	—	—	—
Linda Zecher Higgins	46,875	199,976	246,851
George Alexander Tosheff	11,250	399,962	411,212
Raymond Vicks	45,000	599,941	644,941

(1) Mr. Yoran did not earn compensation during 2022 for his service on our Board of Directors. Mr. Yoran's compensation is fully reflected in the "Summary Compensation Table" above.

(2) The amounts in the Stock Awards column reflect the aggregate grant date fair value of each RSU award granted during the year ended December 31, 2022, computed in accordance with ASC Topic 718. This calculation assumes that the director will perform the requisite service for the award to vest in full as required by SEC rules. These amounts do not reflect the actual economic value that will be realized by the director upon vesting of the RSUs or the sale of the common stock underlying such RSUs.

(3) As of December 31, 2022, Messrs. Coviello, Seawell and Tosheff held options to purchase 8 shares, 230,000 shares and 6,000 shares, respectively, of our common stock. None of our other non-employee directors held options to purchase shares of our common stock as of December 31, 2022. As of December 31, 2022, Ms. Zecher Higgins and Messrs. Coviello, Huffard and Seawell each held 4,044 RSUs, Mr. Tosheff held 9,861 RSUs, Ms. Howe held 10,661 RSUs and Mr. Vicks held 12,129 RSUs. Historically, the Board has provided an initial and annual RSU grant to directors with aggregate dollar values on the date of grant, of \$400,000 and \$200,000, respectively.

(4) Ms. Hammonds passed away on June 28, 2022. Accordingly, Ms. Hammonds' annual retainer was pro-rated based on the date of her passing. The 4,044 RSUs then held by Ms. Hammonds vested in full upon her passing in accordance with the terms of the award.

(5) Mr. Kennelly retired as a member of the Board effective September 1, 2022. The 4,044 RSUs then held by Mr. Kennelly were forfeited in accordance with the terms of the award and, as a result, Mr. Kennelly did not and will not receive any economic value from the canceled portion of the RSUs.

(6) Mr. Wells is affiliated with Insight Venture Partners, a former major stockholder of the Company, and accordingly did not receive cash or equity compensation for his service as a director during 2022. Additionally, Mr. Wells resigned from the Board on January 7, 2022.

Director Stock Ownership Guidelines

The Compensation Committee believes that stock ownership guidelines help align the interests of our non-employee directors with those of our stockholders and may act as a risk mitigation device. In February 2022, our Compensation Committee adopted stock ownership guidelines for our non-employee directors. The Compensation Committee believes that stock ownership guidelines help align the interests of our non-employee directors with those of our stockholders and may act as a risk mitigation device. Under these guidelines, the non-employee members of our Board are each required to beneficially own shares of our common stock (including shares owned outright and unvested time-vesting shares of restricted stock or RSUs) with a value equal to at least five times their annual base cash retainer; for 2022, this equates to \$175,000. Directors have five years from the date that they become subject to the guidelines to comply, and if the required ownership level is not achieved within five years, they must hold 50% of the net shares received from their equity grants until the guidelines are achieved. As of our latest measurement date December 31, 2022, all of our non-employee directors satisfied the required ownership guideline level.

SECURITIES AUTHORIZED FOR ISSUANCE UNDER EQUITY COMPENSATION PLANS

The following table summarizes our equity compensation plan information as of December 31, 2022. Information is included for equity compensation plans approved by our stockholders. We do not have any equity compensation plans not approved by our stockholders.

Plan Category	Number of Securities to be Issued Upon Exercise of Outstanding Options, Warrants, and Rights(a)	Weighted Average Exercise Price of Outstanding Options, Warrants and Rights (b) ⁽¹⁾	Number of Securities Remaining Available for Future Issuance Under Equity Compensation Plans (Excluding Securities Reflected in Column (a))(c) ⁽²⁾
Equity compensation plans approved by stockholders	12,809,641 (3)	\$ 9.85	28,800,042
Equity compensation plans not approved by stockholders	—	—	—
Total	12,809,641	\$ 9.85	28,800,042

(1) The weighted average exercise price of the outstanding stock options and rights excludes 7,101,290 shares in column (a) that are issuable upon vesting of RSUs and PSUs, which have no exercise price.

(2) Includes our 2018 Equity Incentive Plan (“2018 Plan”) and 2018 ESPP. Stock options or other stock awards granted under our 2002 Stock Incentive Plan, 2012 Stock Incentive Plan and 2016 Stock Incentive Plan that are forfeited, terminated, expired or repurchased become available for issuance under our 2018 Plan. Our 2018 Plan provides that the total number of shares reserved for issuance under our 2018 Plan. Our 2018 Plan provides that the total number of shares reserved of common stock reserved for issuance thereunder will be automatically increased, on January 1 of each calendar year, in an amount equal to 5% of the total number of shares of our capital stock outstanding on December 31 of the prior calendar year, or a lesser number of shares determined by our Board. Our 2018 ESPP provides that the number of shares of our common stock reserved for issuance thereunder will automatically increase on January of each calendar year by the lesser of: (1) 1.5% of the total number of shares our capital stock outstanding on December 31st of the preceding year; (2) 8,000,000 shares; or (3) a lesser number of shares determined by our Board. On January 1, 2023, the number of shares reserved for issuance under our 2018 Plan and our 2018 ESPP automatically increased by 5,652,793 shares and 1,695,838 shares, respectively, pursuant to these provisions. These increases are not reflected in the table above.

(3) This amount includes 207,272 PSUs that, if and when vested, will be settled in shares of our common stock. For PSUs for which the performance period has ended as of December 31, 2022, the amounts reported in the table reflect the actual number of PSUs earned above and below target levels based on actual performance measured at the end of the performance period. The amounts reported in the table assume target level performance for PSUs which have not vested as of December 31, 2022.

TRANSACTIONS WITH RELATED PERSONS AND INDEMNIFICATION

Related-Person Transactions Policy and Procedures

We have adopted a related person transaction policy that sets forth our procedures for the identification, review, consideration and approval or ratification of related person transactions. For purposes of our policy only, a related person transaction is a transaction, arrangement or relationship, or any series of similar transactions, arrangements or relationships, in which we and any related person are, were or will be participants in which the amount involved exceeds \$120,000. Transactions involving compensation for services provided to us as an employee or director are not covered by this policy. A related person is any executive officer, director or beneficial owner of more than 5% of any class of our voting securities, including any of their immediate family members and any entity owned or controlled by such persons.

Under the policy, if a transaction has been identified as a related person transaction, including any transaction that was not a related person transaction when originally consummated, any transaction that was not initially identified as a related person transaction prior to consummation, or any customer or vendor transaction with an entity related to a director of the Company that is conducted in the ordinary course of business and subject to usual trade terms, our management must present information regarding the related person transaction to our Audit Committee, or, if Audit Committee approval would be inappropriate, to another independent body of our Board of Directors, for review, consideration and approval, ratification, or rejection. The presentation must include a description of, among other things, the material facts, the interests, direct and indirect, of the related persons, the benefits to us of the transaction and whether the transaction is on terms that are comparable to the terms available to or from, as the case may be, an unrelated third party or to or from employees generally. Under the policy, we will collect information that we deem reasonably necessary from each director, executive officer and, to the extent feasible, significant stockholder to enable us to identify any existing or potential related-person transactions and to effectuate the terms of the policy. In addition, under our Code of Business Conduct and Ethics, our employees and directors have an affirmative responsibility to disclose any transaction or relationship that reasonably could be expected to give rise to a conflict of interest. In considering related person transactions, our Audit Committee, or other independent body of our Board of Directors, will take into account the relevant available facts and circumstances including, but not limited to:

- the risks, costs and benefits to us;
- the impact on a director's independence in the event that the related person is a director, immediate family member of a director or an entity with which a director is affiliated;
- the terms of the transaction;
- the availability of other sources for comparable services or products; and
- the terms available to or from, as the case may be, unrelated third parties or to or from employees generally.

The policy requires that, in determining whether to approve, ratify or reject a related person transaction, our Audit Committee, or other independent body of our Board of Directors, shall approve only those transactions that, in light of known circumstances, it determines in the good faith exercise of its discretion are in, or are not inconsistent with, our best interests and our stockholders' best interests.

Certain Related Person Transactions

The following includes a summary of transactions since January 1, 2022 to which we have been a party, in which the amount involved in the transaction exceeded \$120,000, and in which any of our

directors, executive officers or, to our knowledge, beneficial owners of more than 5% of our voting securities or any member of the immediate family of any of the foregoing persons had or will have a direct or indirect material interest. Other than described below, there have not been, nor are there currently any proposed, transactions or series of similar transactions to which we have been or will be a party other than compensation arrangements, which include equity and other compensation, termination, change in control and other arrangements, which are described under “Executive Compensation” and “Director Compensation.”

Employment Arrangements with Messrs. Schonberger and Vintz

We have employed Ron Schonberger, the brother of Amit Yoran, our Chief Executive Officer and Chairman, as our Associate General Counsel since October 2017, and Frank Vintz, the brother of Stephen A. Vintz, our Chief Financial Officer, as a Senior Director of Customer Success since March 2017. Each of Mr. Schonberger and Mr. Frank Vintz is paid compensation consisting of salary, bonus and the fair value of RSUs. In 2022, Mr. Schonberger and Mr. Frank Vintz each received total cash and equity compensation of approximately \$500,000.

Transaction Success Fee to Security Growth Partners LLC

On February 17, 2022, Security Growth Partners LLC, or SGP, received a transaction success fee from Cymptom Labs Ltd., or Cymptom, of \$690,000 as consideration for services provided to Cymptom to facilitate the sale of Cymptom to Tenable. N. Elad Yoran, the brother of Amit Yoran, our Chief Executive Officer and Chairman, is a member of and affiliated with SGP. The success fee was paid by Cymptom out of the proceeds we paid to acquire Cymptom. The Board reviewed and approved the success fee as a related party transaction in connection with its approval of the acquisition of Cymptom.

Indemnification

We provide indemnification for our directors and executive officers so that they will be free from undue concern about personal liability in connection with their service to the Company. Under our Bylaws, we are required to indemnify our directors and executive officers to the extent not prohibited under Delaware law. We have also entered into indemnity agreements with our executive officers and directors. These agreements provide, among other things, that we will indemnify the officer or director, under the circumstances and to the extent provided for in the agreement, for expenses, damages, judgments, fines and settlements he or she may be required to pay in actions or proceedings which he or she is or may be made a party by reason of his or her position as a director, officer or other agent of the Company, and otherwise to the fullest extent permitted under Delaware law and our Bylaws.

HOUSEHOLDING OF PROXY MATERIALS

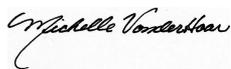
The SEC has adopted rules that permit companies and intermediaries, such as brokers, to satisfy the delivery requirements for Notices of Internet Availability of Proxy Materials or other Annual Meeting materials with respect to two or more stockholders sharing the same address by delivering a single Notice of Internet Availability of Proxy Materials or other Annual Meeting materials addressed to those stockholders. This process, which is commonly referred to as “householding,” potentially means extra convenience for stockholders and cost savings for companies.

This year, a number of brokers with account holders who are our stockholders will be “householding” the Company’s proxy materials. A single Notice of Internet Availability of Proxy Materials will be delivered to multiple stockholders sharing an address unless contrary instructions have been received from the affected stockholders. Once you have received notice from your broker that they will be “householding” communications to your address, “householding” will continue until you are notified otherwise or until you revoke your consent. If, at any time, you no longer wish to participate in “householding” and would prefer to receive a separate Notice of Internet Availability of Proxy Materials, please notify your broker or us. Direct your written request to Tenable Holdings, Inc., Attn: Corporate Secretary, 6100 Merriweather Drive, 12th Floor, Columbia, Maryland 21044. Stockholders who currently receive multiple copies of the Notices of Internet Availability of Proxy Materials at their addresses and would like to request “householding” of their communications should contact their brokers.

OTHER MATTERS

The Board of Directors knows of no other matters that will be presented for consideration at the Annual Meeting. If any other matters are properly brought before the meeting, it is the intention of the persons named in the accompanying proxy to vote on such matters in accordance with their best judgment.

By Order of the Board of Directors,



Michelle VonderHaar

Chief Legal Officer and Corporate Secretary

Dated: April 12, 2023

A copy of the Company's Annual Report to the Securities and Exchange Commission on Form 10-K for the year ended December 31, 2022 is available without charge upon written request to Tenable Holdings, Inc., Attention: Corporate Secretary, Tenable Holdings, Inc., 6100 Merriweather Drive, 12th Floor, Columbia, Maryland 21044.

APPENDIX RECONCILIATION OF NON-GAAP MEASURES

In this proxy statement, we discuss certain operating metrics and non-GAAP financial measures, as described below, which we think are important to better understand and evaluate our core operating and financial performance. These non-GAAP financial measures, which may be different than similarly titled measures used by other companies, are presented to enhance the overall understanding of our financial performance and should not be considered a substitute for, or superior to, the financial information prepared and presented in accordance with GAAP included in our Annual Report on Form 10-K. We believe that these operating metrics and non-GAAP financial measures provide useful information about our operating and financial performance, enhance the overall understanding of our past performance and future prospects and allow for greater transparency with respect to important metrics used by management for financial and operational decision-making.

Calculated Current Billings

We define calculated current billings, a non-GAAP financial measure, as total revenue recognized in a period plus the change in current deferred revenue in the corresponding period. We believe that calculated current billings is a key metric to measure our periodic performance. Given that most of our customers pay in advance, but we typically recognize a majority of the related revenue ratably over time, we use calculated current billings to measure and monitor our ability to provide our business with the working capital generated by upfront payments from our customers. We believe that calculated current billings, which excludes deferred revenue for periods beyond twelve months in a customer's contractual term, more closely correlates with annual contract value. Variability in total billings, depending on the timing of large multi-year contracts and the preference for annual billing versus multi-year upfront billing, may distort growth in one period over another.

The following table presents a reconciliation of revenue, the most directly comparable financial measure calculated in accordance with GAAP, to calculated current billings:

(in thousands)	Year Ended December 31,	
	2022	2021
Revenue	\$ 683,191	\$ 541,130
Deferred revenue (current), end of period	502,115	407,498
Deferred revenue (current), beginning of period ⁽¹⁾	(408,443)	(331,462)
Calculated current billings	\$ 776,863	\$ 617,166

(1) Deferred revenue (current), beginning of period for 2022 and 2021 includes \$0.9 million and \$2.6 million, respectively, related to acquired deferred revenue.

Free Cash Flow and Unlevered Free Cash Flow

We define free cash flow, a non-GAAP financial measure, as net cash flows from operating activities reduced by purchases of property and equipment and capitalized software development costs. We believe free cash flow is an important liquidity measure of the cash (if any) that is available, after purchases of property and equipment and capitalized software development costs, for investment in our business and to make acquisitions. We believe that free cash flow is useful as a liquidity measure because it measures our ability to generate or use cash.

We also use the non-GAAP measure of unlevered free cash flow, which we define as free cash flow plus cash paid for interest and other financing costs. We believe unlevered free cash flow is

useful as a liquidity measure as it measures the cash that is available to invest in our business and meet our current debt obligations and future financing needs. However, given our debt obligations, non-cancelable commitments and other contractual obligations, unlevered free cash flow does not represent residual cash flow available for discretionary expense.

The following table presents a reconciliation of net cash provided by operating activities, the most directly comparable financial measure calculated in accordance with GAAP, to free cash flow and unlevered free cash flow:

(in thousands)	Year Ended December 31,	
	2022	2021
Net cash provided by operating activities	\$ 131,151	\$ 96,765
Purchases of property and equipment	(9,359)	(3,887)
Capitalized software development costs ⁽¹⁾	(9,789)	(2,674)
Free cash flow ⁽²⁾	112,003	90,204
Cash paid for interest and other financing costs	16,047	4,978
Unlevered free cash flow ⁽²⁾	\$ 128,050	\$ 95,182

(1) Capitalized software development costs were previously included in purchases of property and equipment.

(2) Free cash flow and unlevered free cash flow for the periods presented were impacted by:

(in thousands)	Year Ended December 31,	
	2022	2021
Employee stock purchase plan activity	\$ 837	\$ (283)
Acquisition-related expenses	(2,655)	(6,464)
Costs related to intra-entity asset transfers	(838)	—
Tax payment on intra-entity asset transfers	(2,697)	(2,808)
Capital expenditures related to new headquarters	—	(928)

Free cash flow and unlevered free cash flow in 2022 were benefited by approximately \$10 million due to prepayments of software subscription costs, insurance and rent in 2021 and 2020. The 2021 prepayments reduced free cash flow and unlevered free cash flow by approximately \$8 million and were offset by the benefit of approximately \$15 million from similar prepayments made in 2020.

Non-GAAP Income from Operations

We use non-GAAP income from operations as a key indicator of our financial performance. We define non-GAAP income from operations as loss from operations, excluding the effects of stock-based compensation, acquisition-related expenses, costs related to the intra-entity asset transfers resulting from the internal restructuring of legal entities and amortization of acquired intangible assets. Acquisition-related expenses include transaction expenses and costs related to the intercompany transfer of acquired intellectual property.

The following table presents a reconciliation of loss from operations, the most directly comparable financial measure calculated in accordance with GAAP, to non-GAAP income from operations:

(dollars in thousands)	Year Ended December 31,	
	2022	2021
Loss from operations	\$ (67,815)	\$ (41,768)
Stock-based compensation	120,633	79,405
Acquisition-related expenses	2,642	6,901
Costs related to intra-entity asset transfers ⁽¹⁾	838	—
Amortization of acquired intangible assets	11,372	6,447
Non-GAAP income from operations	<u>\$ 67,670</u>	<u>\$ 50,985</u>

(1) The costs related to the intra-entity asset transfers resulted from our internal restructuring of Cymptom.

Non-GAAP Net Income and Non-GAAP Earnings Per Share

We use non-GAAP net income, which excludes stock-based compensation, acquisition-related expenses and amortization of acquired intangible assets, as well as the related tax impacts, and the tax impact and related costs of intra-entity asset transfers resulting from the internal restructuring of legal entities as well as deferred income tax benefits recognized in connection with acquisitions, to calculate non-GAAP earnings per share. We believe that these non-GAAP measures provide important information because they facilitate comparisons of our core operating results over multiple periods.

The following table presents a reconciliation of net loss and net loss per share, the most comparable financial measures calculated in accordance with GAAP, to non-GAAP net income and non-GAAP earnings per share.

(in thousands, except for per share amounts)	Year Ended December 31,	
	2022	2021
Net loss	\$ (92,222)	\$ (46,677)
Stock-based compensation	120,633	79,405
Tax impact of stock-based compensation ⁽¹⁾	2,103	617
Acquisition-related expenses ⁽²⁾	2,642	6,901
Costs related to intra-entity asset transfers ⁽³⁾	838	—
Amortization of acquired intangible assets ⁽⁴⁾	11,372	6,447
Tax impact of acquisitions ⁽⁵⁾	(3,703)	(10,560)
Tax impact of intra-entity asset transfers ⁽⁶⁾	2,652	2,808
Non-GAAP net income	<u>\$ 44,315</u>	<u>\$ 38,941</u>
Net loss per share, diluted	\$ (0.83)	\$ (0.44)
Stock-based compensation	1.08	0.75
Tax impact of stock-based compensation ⁽¹⁾	0.02	0.01
Acquisition-related expenses ⁽²⁾	0.02	0.06
Costs related to intra-entity asset transfers ⁽³⁾	0.01	—
Amortization of acquired intangible assets ⁽⁴⁾	0.10	0.06
Tax impact of acquisitions ⁽⁵⁾	(0.03)	(0.10)
Tax impact of intra-entity asset transfers ⁽⁶⁾	0.03	0.03
Adjustment to diluted earnings per share ⁽⁷⁾	(0.02)	(0.03)
Non-GAAP earnings per share, diluted	<u>\$ 0.38</u>	<u>\$ 0.34</u>
Weighted-average shares used to compute GAAP net loss per share, diluted	111,321	106,387
Weighted-average shares used to compute non-GAAP earnings per share, diluted	117,534	114,825

(1) The tax impact of stock-based compensation is based on the tax treatment for the applicable tax jurisdictions.

(2) The tax impact of acquisition-related expenses is not material.

(3) The costs related to the intra-entity asset transfers resulted from our internal restructuring of Cymptom.

(4) The tax impact of the amortization of acquired intangible assets is included in the tax impact of acquisitions.

(5) The tax impact of acquisitions in 2022 includes a deferred tax benefit of \$1.2 million related to the Alsid acquisition and a reversal of the \$2.5 million income tax benefit recognized for GAAP purposes related to the partial release of our valuation allowance associated with the Bit Discovery acquisition. The tax impact of acquisitions in 2021 includes a reversal of the \$7.9 million income tax benefit recognized for GAAP purposes related to the partial release of our valuation allowance and a \$2.6 million benefit related to Alsid.

(6) The tax impact of the intra-entity transfers are related to current tax expense based on the applicable Israeli tax rates resulting from our internal restructuring of Cymptom in 2022 and Indegy in 2021.

(7) An adjustment to reconcile GAAP net loss per share, which excludes potentially dilutive shares, to non-GAAP earnings per share, which includes potentially dilutive shares.

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**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

FORM 10-K

Annual Report Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

For the fiscal year ended December 31, 2022

or

Transition Report Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

For the transition period from _____ to _____

Commission file number 001-38600

TENABLE HOLDINGS, INC.

(Exact name of registrant as specified in its charter)

Delaware

(State or other jurisdiction of incorporation or organization)

47-5580846

(I.R.S. Employer Identification Number)

6100 Merriweather Drive, Columbia, Maryland 21044

(Address of principal executive offices, including zip code)

(410) 872-0555

(Registrant's telephone number, including area code)

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	Trading symbol(s)	Name of exchange on which registered
Common stock, par value \$0.01 per share	TENB	Nasdaq Global Select Market

Securities registered pursuant to Section 12(g) of the Act: None

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act. Yes
No

Indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the Act. Yes
No

Indicate by check mark whether the Registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the Registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes No

Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (§ 232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). Yes No

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company" and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer	<input checked="" type="checkbox"/>	Accelerated filer	<input type="checkbox"/>
Non-accelerated filer	<input type="checkbox"/>	Smaller reporting company	<input type="checkbox"/>
		Emerging growth company	<input type="checkbox"/>

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Indicate by check mark whether the registrant has filed a report on and attestation to its management's assessment of the effectiveness of its internal control over financial reporting under Section 404(b) of the Sarbanes-Oxley Act (15 U.S.C. 7262(b)) by the registered public accounting firm that prepared or issued its audit report.

If securities are registered pursuant to Section 12(b) of the Act, indicate by check mark whether the financial statements of the registrant included in the filing reflect the correction of an error to previously issued financial statements.

Indicate by check mark whether any of those error corrections are restatements that required a recovery analysis of incentive-based compensation received by any of the registrant's executive officers during the relevant recovery period pursuant to §240.10D-1(b).

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes No

As of June 30, 2022, the aggregate market value of the common stock of the registrant held by non-affiliates was approximately \$5.0 billion.

The number of shares of the Registrant's common stock outstanding as of February 21, 2023 was 113,648,357.

DOCUMENTS INCORPORATED BY REFERENCE

Portions of the registrant's definitive Proxy Statement relating to the 2023 Annual Meeting of Stockholders are incorporated herein by reference in Part III of this Annual Report on Form 10-K. The Proxy Statement will be filed with the Securities and Exchange Commission within 120 days after the year ended December 31, 2022.

TENABLE HOLDINGS, INC.
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PART I

Forward-Looking Statements

This Annual Report on Form 10-K, including the sections entitled "Business," "Risk Factors," and "Management's Discussion and Analysis of Financial Condition and Results of Operations," contains forward-looking statements that involve known and unknown risks, uncertainties and other factors that may cause our actual results, levels of activity, performance or achievements to be materially different from the information expressed or implied by these forward-looking statements. Statements that are not purely historical are forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended. In some cases, you can identify forward-looking statements by the words "anticipate," "believe," "continue," "could," "estimate," "expect," "intend," "may," "might," "objective," "ongoing," "plan," "predict," "project," "potential," "should," "will," or "would," or the negative of these terms, or other comparable terminology intended to identify statements about the future. These forward-looking statements include, but are not limited to, statements concerning the following:

- the anticipated impact of the global economic uncertainty and financial market conditions on our business, results of operations and financial condition, including on our sales and our revenue growth rate;
- our market opportunity;
- the effects of increased competition as well as innovations by new and existing competitors in our market;
- our ability to adapt to technological change, release new products and product features and effectively enhance, innovate and scale our enterprise platform and solutions;
- our ability to effectively manage or sustain our growth and to achieve profitability;
- our ability to maintain and expand our customer base, including by attracting new customers;
- our relationships with third parties, including channel partners;
- completed and potential acquisitions and integration of complementary businesses and technologies;
- our ability to maintain, or strengthen awareness of, our brand;
- perceived or actual problems with the security, integrity, reliability, compatibility and quality of our platform and solutions;
- future revenue, hiring plans, expenses, capital expenditures, capital requirements and stock performance;
- our ability to attract and retain qualified employees and key personnel and further expand our overall headcount;
- our ability to stay abreast of new or modified laws and regulations that currently apply or become applicable to our business both in the United States and internationally;
- our ability to maintain, protect and enhance our intellectual property;
- costs associated with defending intellectual property infringement and other claims; and
- the future trading prices of our common stock and the impact of securities analysts' reports on these prices.

These statements represent the beliefs and assumptions of our management based on information currently available to us. Such forward-looking statements are subject to risks, uncertainties and other important factors that could cause actual results and the timing of certain events to differ materially from future results expressed or implied by such forward-looking statements. Factors that could cause or contribute to such differences include, but are not limited to

those discussed in the section titled “Risk Factors” included under Part I, Item 1A. You should not rely upon forward-looking statements as predictions of future events. Furthermore, such forward-looking statements speak only as of the date of this report. Except as required by law, we undertake no obligation to update any forward-looking statements to reflect events or circumstances that occur after the date of this report.

Item 1. Business

Overview

We are a leading provider of exposure management solutions. Exposure management is an effective discipline for managing, measuring and comparing cybersecurity risk in today's complex IT environments.

Organizations around the globe are accelerating their adoption of public and private cloud infrastructure, introducing internet-facing applications and embracing new identity management systems. The rapid adoption of these and other digital technologies is expanding the modern attack surface.

For most organizations, the modern attack surface includes:

- Identity and access management systems used to control user privileges, which are vulnerable to misconfigurations that can open up attack pathways within an organization;
- An assortment of operational technology, or OT — such as industrial control systems, or ICS, and supervisory control and data acquisition, or SCADA, systems — which is increasingly internet-facing and is often linked to existing IT systems;
- Personal devices, including mobile phones and tablets, internet of things, or IoT, devices and other types of “shadow IT” used by employees, often without the knowledge of the IT and security teams; and
- Virtual machines, microservices, open-source code repositories, containers and other tools used by DevOps teams.

The complexity of the modern attack surface is a key driver behind the growing need for exposure management programs. Security teams are overwhelmed with the constant influx of data from the array of point solutions they are using to manage interconnected vulnerabilities, web applications, identity systems and cloud assets. They are also challenged with effectively analyzing all that data to make informed, proactive decisions about which exposures represent the greatest risk to the organization.

The combination of all these factors presents cybersecurity teams with obstacles that reach beyond the scope of existing point tools. We see three distinct real-world challenges facing cybersecurity professionals that can be addressed with an exposure management program:

- Security programs today are reactive when they should be proactive;
- The attack surface isn't siloed, but security programs often are; and
- There's more data available than ever before, yet it's difficult for security professionals to prioritize and apply the information in meaningful ways.

An exposure management program, underpinned by a technology platform such as our Tenable One Exposure Management Platform, or Tenable One, can help address these real-world problems. Successfully implemented, an exposure management platform allows organizations to:

- Gain comprehensive visibility across the modern attack surface;
- Anticipate threats and prioritize efforts to prevent attacks; and
- Communicate cyber risk to make better decisions.

In order to be effective, we believe an exposure management platform must extend beyond traditional vulnerability management, which concentrates on the discovery and remediation of publicly disclosed Common Vulnerabilities and Exposures, or CVEs. To be a functional part of an exposure management program, the platform needs to include information about configuration issues, vulnerabilities and attack paths across a spectrum of assets and technologies — including identity solutions, such as Active Directory; cloud configurations and deployments; and web applications.

With these considerations in mind, we launched Tenable One in October 2022. Tenable One unifies a variety of data sources into a single exposure view to help organizations gain visibility, prioritize efforts and communicate cyber risks. Building on our existing products, Tenable One is designed to take advantage of the integrations that already exist with our partners and form the foundation of an exposure management program, alongside the other tools, such as endpoint detection and response, or EDR, and firewalls, and required business processes.

In 2022, 2021 and 2020 our total revenue was \$683.2 million, \$541.1 million and \$440.2 million, respectively, representing year-over-year growth rates of 26% from 2021 to 2022 and 23% from 2020 to 2021. Our net loss was \$92.2 million, \$46.7 million and \$42.7 million in 2022, 2021 and 2020, respectively. Our cash flows from operating activities were \$131.2 million, \$96.8 million and \$64.2 million in 2022, 2021 and 2020, respectively.

Our Solutions

With Tenable One, organizations can translate technical data about assets, vulnerabilities and threats into clear business insights and actionable intelligence for security executives and practitioners. The platform combines the broad, industry leading, vulnerability coverage, spanning IT assets, cloud resources, containers, web apps and identity systems. Tenable One builds on the speed and breadth of vulnerability coverage from our research team of cybersecurity and data science experts, or Tenable Research, and adds aggregated exposure view analytics, guidance on mitigating attack pathways and a centralized asset inventory.

Tenable One incorporates these Tenable products:

- **Tenable.io:** our cloud-delivered software-as-a-service, or SaaS, Vulnerability Management offering that provides organizations with a risk-based view of traditional and modern attack surfaces. Tenable.io is designed with views, workflows and dashboards to deliver a complete and continuous view of all assets, both known and previously unknown, and any associated vulnerabilities, internal and regulatory compliance violations, misconfigurations and other cybersecurity issues, prioritize these issues for remediation based on risk assessment and predictive analytics, and provide insightful remediation guidance.
- **Tenable.io Web Application Scanning:** our easy-to-use, comprehensive and automated Vulnerability Scanning for modern web applications, which allows organizations to quickly configure and manage web app scans, enabling them to identify vulnerabilities and prioritize remediation.
- **Tenable Lumin Exposure View:** our measurement tool, which leverages our expansive knowledge base of assets and vulnerabilities coupled with data science insights, to help our customers objectively score, trend and benchmark cyber risk across their organizations, including by business unit or geography, for comparison and best practices. We believe this

capability is critical to help security executives effectively translate technical information and communicate cybersecurity risk to a non-technical audience, including the C-suite and the board of directors, to enable them to make better strategic decisions on where to focus investment to maximize cybersecurity risk reduction.

- **Tenable.cs:** our cloud-native Cloud Security solution enables security teams to continuously assess the security posture of their cloud environments by maintaining a current inventory of cloud assets for proactive analysis whenever a new vulnerability is published. Tenable.cs provides cloud security teams the tools they need to apply, monitor and report on security and compliance policies across multi-cloud environments.
- **Tenable.ad:** our solution to secure Active Directory environments by enabling users to find and fix existing weaknesses before they are exploited and detect and respond to ongoing attacks in real time without the need to deploy agents or use privileged accounts.
- **Tenable.asm:** our External Attack Surface Management solution continuously maps the internet, enabling security teams to discover connections to internet-facing assets so they can assess the cybersecurity posture of their entire external attack surface.

All of the above products, now available in Tenable One, continue to be offered as standalone solutions, alongside the following:

- **Tenable.sc:** our on-premises Vulnerability Management offering that provides a risk-based view of an organization's IT, security and compliance posture so organizations can quickly identify, investigate and prioritize their assets and vulnerabilities based on risk assessment and predictive analytics, and provide insightful remediation guidance.
- **Tenable.ot:** our Operational Technology Security solution that provides threat detection, asset tracking, vulnerability management, and configuration control capabilities to protect OT environments, including industrial networks. Tenable.ot is sold as a stand-alone solution and integrates with Tenable.io and Tenable.sc.

In addition, our **Nessus** product line is one of the most widely deployed vulnerability assessment solutions in the cybersecurity industry and underpins our enterprise platform. Since the introduction of Nessus in 1998, an extensive community of Nessus users has emerged. We continue to cultivate knowledge and affinity within this user base, which, when combined with our enterprise customers and Tenable Research, creates powerful network effects in the form of a continuous feedback loop of data and insights. We use these learnings to expand our assessment capabilities and coverage, continually optimize our solutions and inform our product strategy and innovation priorities. We believe these data and insights will also fuel and strengthen our benchmarking capabilities over time.

In July 2022, we introduced **Nessus Expert**, which adds Infrastructure as Code, or IaC, scanning along with external attack surface discovery capabilities to identify all domains and subdomains that make up an organization's external-facing attack surface. Nessus Expert enables users to programmatically detect cloud infrastructure misconfigurations and vulnerabilities in the design and build phases of the software development lifecycle and continuously discover and inventory an organization's internet-facing assets from an attacker's perspective.

Our Technology Ecosystem

We have partnered and/or integrated with market leading technology companies to pioneer the industry's first exposure management ecosystem to help organizations build resilient cybersecurity programs. Our ecosystem consists of a variety of third-party data import sources integrated into our platform offerings, as well as export of our data out to third-party IT systems. Our technology

ecosystem connects disparate solutions and data to automate processes and accelerate an organization's ability to understand, manage and reduce its cyber risk.

We integrate a variety of third-party data sources, including ticketing, configuration management databases, or CMDBs, and systems management, into our platform to augment our native data collection and help with analysis and remediation prioritization. Furthermore, our data is exported out to enrich third-party IT management and security systems.

Our Growth Strategy

Our objectives are to maintain our market leadership in exposure management and to capture our large market opportunity. To accomplish these objectives, we intend to:

- **Continue to acquire new enterprise platform customers.** We believe there is a substantial opportunity to increase adoption of our enterprise platform offerings. We have experienced growth in new enterprise platform customers due to improved product capabilities and investments in sales and marketing. We intend to continue to aggressively pursue new domestic and international customers by adding sales capacity and leveraging our network of channel partnerships around the world.
- **Expand asset coverage within our customer base.** We believe we have a significant opportunity to expand our relationships with our existing customers by targeting additional teams, business units or geographies, pursuing broad enterprise deployments and generally expanding our coverage of their network-connected assets and cross-selling new applications and solutions.
- **Invest in our technology platform.** We intend to continue to innovate, develop and broaden our exposure and traditional vulnerability management solutions, including expanding the coverage of emerging attack surfaces and asset types and the addition of analytical capabilities, to help our customers measure and manage their cyber exposure. As we collect more data and ingest more data from third-party sources, we believe our data set will become even more valuable over time, which will allow us to continue to develop new analytical products and capabilities to our existing product suite over time.
- **Explore acquisition opportunities.** We intend to acquire other businesses, technology and/or development personnel that will expand and enhance the functionality of our platform offerings.

Customers

We sell and market our enterprise platform offerings through our sales force that works closely with our channel partners, which includes a network of distributors and resellers, in developing sales opportunities. We use a two-tiered channel model whereby we sell our enterprise platform offerings to our distributors, which in turn sell to our resellers, which then sell to end users, which we call customers.

Our customers are located in over 170 countries and include enterprises of all sizes and span a wide range of industries, including manufacturing, energy and industrials; technology, media and telecommunications; banking, insurance and finance; government, education and non-profit; healthcare; and retail and consumer.

At December 31, 2022, we had approximately 43,000 customers. At December 31, 2022 our customers included approximately 60% of the Fortune 500 and approximately 40% of the Global 2000

and large government agencies. In 2022, 2021 and 2020, no single customer represented more than 2% of our revenue.

Sales and Marketing

Our sales strategy employs both a direct-touch approach through our sales forces and a low-touch approach through sales closed by our channel partners and transacted on our e-commerce website. Both direct-touch and channel-originated sales are fulfilled through our channel partnerships. Our sales and customer success renewal teams collaborate closely with our channel partners to prospect, manage and support our customers, developing and maintaining close relationships with all of our enterprise platform customers.

We sell to organizations of all sizes across a broad range of industries, with a specific focus on enterprise accounts. Our sales team is divided by customer size and geography, including the Americas; Europe, the Middle East and Africa, or EMEA; and Asia Pacific and Japan.

Our partner ecosystem provides us with a number of advantages, including increased in-bound registered sales leads, broader geographic reach and greater deal velocity. Our channel partners include distributors, value-added resellers, system integrators and managed security service providers.

Our marketing efforts focus on cultivating brand awareness and leveraging our brand strength with Nessus, building demand across all segments with a specific emphasis on our enterprise customers and delivering tailored marketing programs focused on security executives, functional managers, security practitioners, managed service providers and consultants. Our marketing efforts are also designed around building community and establishing the Tenable brand as a trusted resource of credible educational information. We provide a variety of educational resources for cybersecurity practitioners and leaders, as well as DevOps teams, OT practitioners and identity and access management practitioners, including a community forum where customers can ask questions of our experts and their peers. We execute marketing programs targeted at new customer acquisition, customer retention and cross-selling and up-selling of products across our platform.

Research and Development

We continue to invest substantial resources in research and development to enhance our platform offerings by developing new features, functionality, and applications. Our engineering expertise combines extensive security product development experience with individuals who possess deep cloud and user interface design backgrounds.

Additionally, our Tenable Research team is staffed by cybersecurity and data science experts who deliver exposure management intelligence, data science insights, alerts and security advisories. Frequent updates from Tenable Research ensure the latest vulnerability checks, zero-day research, and configuration benchmarks are available within our exposure management solutions.

We believe ongoing and timely development of new products and features is imperative to maintaining our competitive position. We continue to invest in development of our solutions across our global research and development team.

Backlog

We define backlog as contractually committed orders to be invoiced under our existing agreements that are not included in deferred revenue on our consolidated balance sheets. We expect the amount of backlog to change from period to period due to the timing of billings for our solutions

and professional services. At December 31, 2022 and 2021, we had backlog of \$14.7 million and \$27.7 million, respectively. We expect substantially all of the backlog at December 31, 2022 to be invoiced within the following 12 months.

Competition

The market for cybersecurity solutions is fragmented, intensely competitive and constantly evolving. We compete with a range of established and emerging cybersecurity software and services vendors, as well as homegrown solutions. With the introduction of new technologies and market entrants, we expect the competitive environment to remain intense going forward. Our competitors include: vulnerability management and assessment vendors, including Qualys and Rapid7; diversified security software and services vendors; endpoint security vendors with vulnerability assessment capabilities, including CrowdStrike; public cloud vendors and companies, such as Palo Alto Networks, that offer solutions for cloud security (private, public and hybrid cloud); and providers of point solutions that compete with some of the features present in our solutions. Many organizations also choose to build their own solutions in-house, often using open-source code rather than purchasing external solutions, and we compete against these internally-developed efforts as well.

We believe that the principal competitive factors affecting the market for cybersecurity solutions include product functionality, breadth and depth of offerings, flexibility of delivery models, ease of deployment and use, integration capabilities such as open APIs and scalability, uptime and performance. We believe that our suite of solutions generally competes favorably with respect to these factors and may serve as a complement to the solutions offered by our competitors in some cases. Some of our more established actual and potential competitors have greater name recognition, longer operating histories, more established customer relationships, larger marketing budgets and significantly greater resources than we do. In addition, as our market grows and rapidly changes, we expect it will continue to attract new competitors, including companies that are larger and more established than us and smaller emerging companies, which could introduce new products and services.

Intellectual Property

Our success depends in part upon our ability to protect our core technology and intellectual property. We rely on a combination of trade secrets, copyrights, patents and trademarks, as well as contractual protections, to establish and protect our intellectual property rights and protect our proprietary technology.

At December 31, 2022, we had 26 issued patents and 25 patent applications pending in the United States. Our issued patents expire between 2027 and 2040 and cover our network scanning, monitoring and analysis technologies and additional features of our platform offerings. At December 31, 2022, we had 18 registered trademarks and 2 trademark applications pending in the United States. We view our copyrights, trade secrets and know-how as a significant component of our intellectual property assets.

We also license certain software from third parties for integration into our solutions, including open source software and other software available on commercially reasonable terms. We cannot assure you that such third parties will maintain such software or continue to make it available.

We control access to and use of our proprietary software and other confidential information through the use of internal and external controls, including contractual protections with employees, contractors, customers and partners, and our software is protected by U.S. and international copyright and trade secret laws. Despite our efforts to protect our trade secrets and proprietary rights through

intellectual property rights, licenses and confidentiality and invention assignment agreements, unauthorized parties may still attempt to copy, reverse engineer, misappropriate or otherwise obtain and use our software and technology. In addition, we intend to continue to expand our international operations, and effective patent, copyright, trademark and trade secret protection may not be available or may be limited in foreign countries.

Government Regulation

Various federal, state and foreign legislative and regulatory bodies have legislation pending that could affect our business.

In the ordinary course of our business, we process personal information. Accordingly, we are, or may become, subject to numerous data privacy and security obligations, including federal, state, local, and foreign laws, regulations, guidance, and industry standards related to data privacy and security. Such obligations may include, without limitation, the Federal Trade Commission Act, the California Consumer Privacy Act of 2018, or the CCPA, the Colorado Privacy Act, Virginia's Consumer Data Protection Act, the European Union's General Data Protection Regulation 2016/679, or EU GDPR, the EU GDPR as it forms part of the United Kingdom law by virtue of section 3 of the European Union (Withdrawal) Act of 2018, or UK GDPR, and the ePrivacy Directive.

Like other U.S.-based IT security products, our products are subject to U.S. export control laws and regulations, specifically the Export Administration Regulations, or EAR, U.S. economic and trade sanctions regulations and applicable foreign government import, export and use requirements. These laws prohibit or restrict the export of our products and services to certain countries, regions, governments, entities or persons subject to trade restrictions. For more information on the potential impacts of government regulations affecting our business, see "Risk Factors" included under Part I, Item 1A.

Human Capital

At December 31, 2022, we had 1,900 employees, including 796 employees located outside of the United States. None of our U.S. employees are represented by a labor union or covered by a collective bargaining agreement. Certain international employees are subject to collective bargaining agreements in connection with local labor laws. We have not experienced any work stoppages, and we consider our relations with our employees to be good.

We believe in upholding a core set of values for our entire global workforce:

- **One Tenable:** We are united as one Tenable team. We win together. We are one team internally, with our customers, with our partners and in the market.
- **We Care:** About our work, about our customers, about one another and about our communities. We speak straight and we do the right thing.
- **Deliver Results:** We set high goals, take bold risks, measure honestly and deliver results that exceed expectations.
- **What We Do Matters:** The work that we do makes a difference in the world.

Our key human capital objectives are to attract, retain and develop our highly talented existing and future employees, while cultivating a diverse and inclusive workforce and environment to achieve exceptional business results. We strive to be a career destination where employees from all backgrounds are welcome and empowered, are treated with fairness and respect, can make a difference, and have the opportunity to grow.

Compensation, Benefits and Talent Development

We provide robust compensation and benefits packages to attract and retain our talent. We aim to incentivize our employees by aligning a portion of their compensation with the overall success of our business. In addition to base salary, our benefits packages include annual bonuses, equity awards, an employee stock purchase plan, retirement plans, along with health and wellness benefits. Equity awards of restricted stock units that vest over time are granted to new hires and to most employees on an annual basis. Eligible employees can participate in our Employee Stock Purchase Plan, in which employees may contribute a percentage of their compensation to purchase shares of our common stock at a discount. Our health and welfare benefits include health and life insurance, paid time off, family leave, and employee assistance programs. We are committed to a hybrid workplace strategy where employees have the flexibility to define the environment where they can do their best work.

We promote and support employee development and organizational effectiveness by providing high-quality learning and development programs as well as tuition assistance programs. These programs are designed to meet individual, team and organizational needs and objectives. We strive to enhance learning and development programs to create a better workplace environment and to build a better Tenable.

Diversity and Inclusion

We seek to cultivate a diverse and inclusive workforce and environment to achieve exceptional business results. When we value and celebrate differences, we drive more innovation and grow closer to our customers, partners, and communities. We strive to be a career destination where employees from all backgrounds are welcome and empowered, treated with fairness and respect, presented with opportunities to make a difference, and provided opportunities to grow.

We undertake numerous efforts to increase diversity in our employee population and to foster a culture of fairness and belonging through a number of measures in our recruiting, engagement, retention, and outreach practices. Our dedicated Diversity and Inclusion Council and Employee Resource Groups – along with our committed leaders and managers – strive to attract and hire employees who bring broad diversity of background, thought and style into the company and foster a sense of inclusion to make them want to stay. To support these initiatives, we build partnerships within our communities to support organizations and events that strive for greater representation of women and underrepresented minorities in cybersecurity, hold inclusion and bias mitigation training and offer targeted development opportunities to assist with career advancement. In addition to our global talent acquisition team receiving a diversity sourcing and recruiting certification, we have hired a team to help spearhead these initiatives.

Environmental Stewardship

Our Board and management team recognize that we have a role to play in environmental stewardship. We believe that environmentally responsible operating practices are important to generating value for our stockholders, being a good partner with our customers and being a good employer to our employees.

Energy consumption and usage within data centers is an important component of our day-to-day operations of our business. We outsource our data center needs to Amazon Web Services, or AWS. In 2014, AWS shared its long-term commitment to achieve 100 percent renewable energy usage for the global AWS infrastructure footprint. Additionally, our corporate headquarters is a LEED Certified Gold for Core Construction.

Financial Information and Segments

Segment and geographic information required by Part I, Item 1 of Form 10-K can be found in Note 1 and Note 13 of the Notes to our Consolidated Financial Statements included in Part II, Item 8, Financial Statements, of this Form 10-K.

Corporate Information

Tenable Network Security, Inc., our predecessor, was incorporated under the laws of the State of Delaware in 2002. Tenable Holdings, Inc. was incorporated in Delaware in October 2015. In November 2015, Tenable Network Security, Inc. was merged into a wholly owned subsidiary and in 2017 was renamed as Tenable, Inc.

Our principal executive offices are located at 6100 Merriweather Drive, Columbia, Maryland 21044. Our telephone number is (410) 872-0555. Our website address is www.tenable.com. The information contained on, or that can be accessed through, our website is not incorporated by reference, and you should not consider any information contained on, or that can be accessed through, our website as part of this Annual Report on Form 10-K.

“Tenable,” “Nessus,” the Tenable logo and other trademarks or service marks of Tenable Holdings, Inc. appearing in this Annual Report on Form 10-K are the property of Tenable Holdings, Inc. This Annual Report on Form 10-K contains additional trade names, trademarks and service marks of others, which are the property of their respective owners. Solely for convenience, trademarks and trade names referred to in this Annual Report on Form 10-K may appear without the ® or TM symbols.

Available Information

Our Annual Report on Form 10-K, Quarterly Reports on Form 10-Q, Current Reports on Form 8-K, Proxy Statement, and amendments to reports filed pursuant to Sections 13(a) and 15(d) of the Exchange Act, are available for download free of charge from our investor relations website <https://investors.tenable.com> after we file them with the Securities and Exchange Commission, or the SEC. The SEC’s website <https://www.sec.gov> contains reports, proxy and information statements, and other information regarding issuers that file electronically with the SEC.

The contents of any website referred to in this Form 10-K are not intended to be incorporated into this Annual Report on Form 10-K or in any other report or document we file with the SEC.

Item 1A. Risk Factors

Our operations and financial results are subject to significant risks and uncertainties including those described below. You should carefully consider the risks and uncertainties described below, in addition to other information contained in this Annual Report on Form 10-K, including our consolidated financial statements and related notes. The risks and uncertainties described below are not the only ones we face. Additional risks and uncertainties that we are unaware of, or that we currently believe are not material, may also become important factors that adversely affect our business. If any of the following risks or others not specified below materialize, our business, financial condition and results of operations could be materially and adversely affected.

Selected Risks Affecting Our Business

Our business is subject to a number of risks of which you should be aware before making a decision to invest in our common stock. These risks are more fully described in this “Risk Factors” section, including the following:

- We have a history of losses and may not achieve or maintain profitability in the future.
- We face intense competition. If we do not continue to innovate and offer solutions that address the dynamic cybersecurity landscape, we may not remain competitive.
- We may not be able to sustain our revenue growth rate in the future.
- We may not be able to scale our business quickly enough to meet our customers’ growing needs.
- Our brand, reputation and ability to attract, retain and serve our customers are dependent in part upon the reliability and accuracy of our data, solutions, infrastructure and those of third parties upon which we rely. If our information technology systems or data, or those of third parties upon which we rely, are or were compromised, or if our solutions fail to detect vulnerabilities or incorrectly detect vulnerabilities, or if they contain undetected errors or defects, we could experience adverse consequences, including but not limited to regulatory investigations or actions; litigation; fines and penalties; disruptions of our business operations; reputational harm; loss of revenue or profits; loss of customers or sales; and other adverse consequences.
- Our future quarterly results of operations are likely to fluctuate significantly due to a wide range of factors, which makes our future results difficult to predict.
- Our business and results of operations depend substantially on our customers renewing their subscriptions with us and expanding the number of IT assets or IP addresses under their subscriptions. Any decline in our customer renewals, terminations or failure to convince our customers to expand their use of subscription offerings would harm our business, results of operations, and financial condition.
- We rely on third parties to maintain and operate certain elements of our network infrastructure.
- We are subject to stringent and changing laws, regulations, rules, contractual obligations, policies, and other obligations related to data privacy and security. Our failure or perceived failure to comply with such obligations could lead to regulatory investigations or actions; litigation; fines and penalties; disruptions of our business operations; reputational harm; loss of revenue or profits; loss of customers or sales; and other adverse business consequences.
- We rely on our third-party channel partner network of distributors and resellers to generate a substantial amount of our revenue.
- We rely on the performance of highly skilled personnel, including senior management and our engineering, professional services, sales and technology professionals, and our ability to increase our customer base will depend to a significant extent on our ability to expand our sales and marketing operations.

Risks Related to Our Business and Industry

We have a history of losses and may not achieve or maintain profitability in the future.

We have historically incurred net losses, including net losses of \$92.2 million, \$46.7 million and \$42.7 million in 2022, 2021 and 2020, respectively. At December 31, 2022, we had an accumulated deficit of \$746.8 million. Because the market for our offerings is highly competitive and rapidly

evolving and these solutions have not yet reached widespread adoption, it is difficult for us to predict our future results of operations.

While we have experienced significant revenue growth in recent periods, we are not certain whether or when we will obtain a high enough volume of sales of our offerings to sustain or increase our growth or achieve or maintain profitability in the future. We also expect our costs to increase in future periods, which could negatively affect our future operating results if our revenue does not increase at a greater rate. In particular, we expect to continue to expend substantial financial and other resources on:

- public cloud infrastructure and computing costs;
- research and development related to our offerings, including investments in our research and development team;
- sales and marketing, including a significant expansion of our sales organization, both domestically and internationally;
- continued international expansion of our business; and
- general and administrative expense, including legal and accounting expenses related to being a public company.

These investments may not result in increased revenue or growth in our business. If we are unable to increase our revenue at a rate sufficient to offset the expected increase in our costs, our business, financial position and results of operations will be harmed and we may not be able to achieve or maintain profitability over the long term. Additionally, we may encounter unforeseen operating expenses, difficulties, complications, delays and other unknown factors that may result in losses in future periods. If our revenue growth does not meet our expectations in future periods, our financial performance may be harmed, and we may not achieve or maintain profitability in the future.

We face intense competition. If we do not continue to innovate and offer solutions that address the dynamic cybersecurity landscape, we may not remain competitive.

The market for cybersecurity solutions is fragmented, intensely competitive and constantly evolving. We compete with a range of established and emerging cybersecurity software and services vendors, as well as homegrown solutions. With the introduction of new technologies and market entrants, we expect the competitive environment to remain intense going forward. Our competitors include: vulnerability management and assessment vendors, including Qualys and Rapid7; diversified security software and services vendors; endpoint security vendors with nascent vulnerability assessment capabilities, including CrowdStrike; public cloud vendors and companies, such as Palo Alto Networks, that offer solutions for cloud security (private, public and hybrid cloud); and providers of point solutions that compete with some of the features present in our solutions. We also compete against internally-developed efforts that often use open source solutions.

Some of our actual and potential competitors have significant advantages over us, such as longer operating histories, significantly greater financial, technical, marketing or other resources, stronger brand and business user recognition, larger intellectual property portfolios, government certifications and broader global distribution and presence. In addition, our industry is evolving rapidly and is becoming increasingly competitive. Companies that are larger and more established than us are focusing on cybersecurity and could directly compete with us. For example, Microsoft has a vulnerability management offering and has continued to acquire security solutions for their cybersecurity platform. Smaller companies could also launch new products and services that we do not offer and that could gain market acceptance quickly.

In addition, some of our larger competitors have substantially broader product offerings and can bundle competing products and services with other software offerings which customers may choose even if individual products have more limited functionality than our solutions. These competitors may also offer their products at a lower price, which could increase pricing pressure on our offerings and cause the average sales price for our offerings to decline. These larger competitors are also often better positioned to withstand any significant reduction in capital spending, and will therefore not be as susceptible to economic downturns. One component of our enterprise platform involves assessing Cyber Exposure in a public cloud environment. We are dependent upon the providers to allow our solutions to access their cloud offerings. If one or more cloud providers elected to offer exclusively their own cloud security product or otherwise eliminate the ability of our solutions to access their cloud on behalf of our customers, our business and financial results could be harmed.

Additionally, the cybersecurity market is characterized by very rapid technological advances, changes in customer requirements, frequent new product introductions and enhancements and evolving industry standards. Our success depends on continued innovation to provide features that make our solutions responsive to the cybersecurity landscape, including the shift to employees working from home or in hybrid environments and the increasing adoption by organizations of cloud or hybrid cloud architectures. Developing new solutions and product enhancements is uncertain, expensive and time-consuming, and there is no assurance that such activities will result in significant cost savings, revenue or other expected benefits. If we spend significant time and effort on research and development and are unable to generate an adequate return on our investment, our business and results of operations may be materially and adversely affected. Further, we may not be able to successfully anticipate or adapt to changing technology or customer requirements or the dynamic threat landscape on a timely basis, or at all, which would impair our ability to execute on our business strategy. Our competitors may be able to respond more quickly and effectively than we can to new or changing opportunities, technologies, standards or customer requirements or new or evolving attacks by, or indicators of compromise that identify, cyber bad actors.

Furthermore, our current and potential competitors may establish cooperative relationships among themselves or with third parties that may further enhance their resources and products and services offerings in the markets we address. In addition, current or potential competitors may be acquired by third parties with greater available resources, which may enable them to adapt more quickly to new technologies and customer needs, devote greater resources to the promotion or sale of their products and services, initiate or withstand substantial price competition, take advantage of other opportunities more readily or develop and expand their product and service offerings more quickly than we do. For all of these reasons, we may not be able to compete successfully against our current or future competitors.

We may not be able to sustain our revenue growth rate in the future.

From 2021 to 2022, our revenue grew from \$541.1 million to \$683.2 million, representing year over year growth of 26%. This growth was primarily from an increase in subscription revenue. Although we have experienced rapid growth historically and currently have high customer renewal rates, we may not continue to grow as rapidly in the future due to a decline in our renewal rates, failure to attract new customers or other factors. Any success that we may experience in the future will depend in large part on our ability to, among other things:

- maintain and expand our customer base;
- increase revenue from existing customers through increased or broader use of our offerings within their organizations;
- improve the performance and capabilities of our offerings through research and development or the integration of acquired products and capabilities;

- continue to develop and expand our enterprise platform;
- maintain or increase the rate at which customers purchase and renew subscriptions to our enterprise platform offerings;
- continue to successfully expand our business domestically and internationally; and
- successfully compete with other companies.

If we are unable to maintain consistent revenue or revenue growth, including as a result of macroeconomic conditions, our stock price could be volatile, and it may be difficult to achieve and maintain profitability. You should not rely on our revenue for any prior quarterly or annual periods as any indication of our future revenue or revenue growth.

We may be unable to rapidly and efficiently adjust our cost structure in response to significant revenue declines, which could adversely affect our operating results.

We recognize substantially all of our revenue ratably over the term of our subscriptions and, to a lesser extent, perpetual licenses ratably over an expected period of benefit and, as a result, downturns in sales may not be immediately reflected in our operating results.

We recognize substantially all of our revenue ratably over the terms of our subscriptions with customers, which generally occurs over a one-year period and, for our perpetual licenses, over a five-year expected period of benefit. As a result, a substantial portion of the revenue that we report in each period will be derived from the recognition of deferred revenue relating to agreements entered into during previous periods. Consequently, a decline in new sales or renewals in any one period, including as a result of macroeconomic conditions, may not be immediately reflected in our revenue results for that period. This decline, however, would negatively affect our revenue in future periods. Accordingly, the effect of significant downturns in sales and market acceptance of our solutions and potential changes in our rate of renewals may not be fully reflected in our results of operations until future periods. This also makes it difficult for us to rapidly increase our revenue growth through additional sales in any period, as revenue from new customers generally will be recognized over the term of the applicable agreement.

We may not be able to scale our business quickly enough to meet our customers' growing needs.

As usage of our enterprise platform grows, and as customers expand in size or expand the number of IT assets or IP addresses under their subscriptions, we may need to devote additional resources to improving our technology architecture, integrating with third-party systems and maintaining infrastructure performance. In addition, we will need to appropriately scale our sales and marketing headcount, as well as grow our third-party channel partner network, to serve our growing customer base. If we are unable to scale our business appropriately, it could reduce the attractiveness of our solutions to customers, resulting in decreased sales to new customers, lower renewal rates by existing customers or the issuance of service credits or requested refunds, each of which could hurt our revenue growth and our reputation. Even if we are able to upgrade our systems and expand our personnel, any such expansion will be expensive and complex, requiring management time and attention. We could also face inefficiencies or operational failures as a result of our efforts to scale our infrastructure. Moreover, there are inherent risks associated with upgrading, improving and expanding our information technology systems. We cannot be sure that the expansion and improvements to our infrastructure and systems will be fully or effectively implemented on a timely basis, if at all. These efforts may reduce revenue and our margins and adversely impact our financial results.

If our enterprise platform offerings do not interoperate with our customers' network and security infrastructure, including remote devices, or with third-party products, websites or services, our results of operations may be harmed.

Our enterprise platform offerings must interoperate with our customers' existing network and security infrastructure, including remote devices. These complex systems are developed, delivered and maintained by the customer, their employees and a myriad of vendors and service providers. As a result, the components of our customers' infrastructure, including remote devices, have different specifications, rapidly evolve, utilize multiple protocol standards, include multiple versions and generations of products and may be highly customized. We must be able to interoperate and provide our security offerings to customers with highly complex and customized networks, including remote devices, which requires careful planning and execution between our customers, our customer support teams and our channel partners. Further, when new or updated elements of our customers' infrastructure, new usage trends, such as remote and hybrid work, or new industry standards or protocols are introduced, we may have to update or enhance our cloud platform and our other solutions to allow us to continue to provide service to customers. Our competitors or other vendors may refuse to work with us to allow their products to interoperate with our solutions, which could make it difficult for our cloud platform to function properly in customer networks that include these third-party products.

We may not deliver or maintain interoperability quickly or cost-effectively, or at all. These efforts require capital investment and engineering resources. If we fail to maintain compatibility of our cloud platform and our other solutions with our customers' network and security infrastructures, including for remote devices, our customers may not be able to fully utilize our solutions, and we may, among other consequences, lose or fail to increase our market share and experience reduced demand for our services, which would materially harm our business, operating results and financial condition.

Our brand, reputation and ability to attract, retain and serve our customers are dependent in part upon the reliability and accuracy of our data, solutions, infrastructure and those of third parties upon which we rely. If our information technology systems or data, or those of third parties upon which we rely, are or were compromised, or if our solutions fail to detect vulnerabilities or incorrectly detect vulnerabilities, or if they contain undetected errors or defects, we could experience adverse consequences.

In the ordinary course of our business, we collect, store, use, transmit, disclose or otherwise process proprietary, confidential, and sensitive information, including personal data, intellectual property, and trade secrets.

We sell cybersecurity products and, as a result, may be at increased risk of being a target of cyberattacks designed to penetrate our platform or internal systems, to compromise our data, alter or modify our source code, or to otherwise impede the performance of our products. Threats to information systems and data come from a variety of sources. In addition to computer "hackers," threat actors, personnel (such as through theft or misuse), "hacktivists," organized criminal threat actors, sophisticated nation-states and nation-state-supported actors now engage and are expected to continue to engage in cyber-attacks. Nation-state actors and nation-state-supported actors may engage in such attacks for geopolitical reasons and in conjunction with military conflicts and defense activities, including the ongoing invasion of Ukraine by Russia. During times of war and other major conflicts, we, third parties upon which we may rely, and our customers may be vulnerable to a heightened risk of these threats, including retaliatory cyber-attacks that could materially disrupt our systems and operations, supply chain, and ability to produce, sell and distribute our goods and services. We, our customers, and the third parties upon which we rely are subject to a variety of evolving threats, which are prevalent, continue to rise, and increasingly difficult to detect. These

threats include but are not limited to: social-engineering attacks (including through phishing attacks); credential harvesting; malicious code (such as viruses and worms); malware (including as a result of persistent threat intrusions); denial-of-service attacks (such as credential stuffing); personnel misconduct or error; ransomware attacks; supply-chain attacks; software bugs; server malfunctions; software or hardware failures; loss of data or other information technology assets; adware; telecommunications failures, and other similar threats. In particular, ransomware attacks, including those from organized criminal threat actors, nation-states and nation-state supported actors, are becoming increasingly prevalent and severe and can lead to significant interruptions, delays, or outages in our operations, loss of data, loss of income, significant extra expenses to restore data or systems, reputational loss and the diversion of funds. To alleviate the financial, operational and reputational impact of a ransomware attack, it may be necessary to make extortion payments, but we may be unable to do so if, for example, applicable laws prohibit such payments.

Additionally, we are incorporated into the supply chain of a large number of companies worldwide and, as a result, if our solutions are compromised, a significant number or, in some instances, all of our customers and their data could be simultaneously affected. The potential liability and associated consequences we could suffer as a result of such a large-scale event could be catastrophic and result in irreparable harm.

The increased prevalence of remote work and use of remote devices has increased risks to our information technology systems and data, as more of our employees utilize network connections, computers and devices outside of our premises or network, including working at home, while in transit and in public locations. Furthermore, future or past business transactions, such as acquisitions or integrations, could expose us to additional cybersecurity risks and vulnerabilities, as our systems could be negatively affected by vulnerabilities present in acquired or integrated entities' systems and technologies. Furthermore, we may discover security issues that were not identified during due diligence of such acquired or integrated entities, and it may be difficult to integrate other companies into our information technology environment and security program.

We rely on third party service providers and technologies to operate critical business systems, including processing confidential and sensitive information, including, without limitation, cloud-based infrastructure, data center facilities, encryption and authentication technology, employee email and other functions. We also rely on third-party service providers to provide other products, services, or otherwise operate our business. Our ability to monitor these third parties' information security practices is limited, and these third parties may not have adequate information security measures in place. If our third-party service providers experience a security incident or other interruption, we could experience adverse consequences. It is possible that our customers and potential customers would hold us accountable for any security incident affecting our third-party service providers' infrastructure. We may incur significant liability from those customers and from other third parties with respect to any such incident. Because our agreements with certain third-party service providers, such as Amazon Web Services, or AWS, limit their liability for damages, we may not be able to recover a material portion of our liabilities to our customers and third parties arising from issues with such third-party service providers, such as AWS, in the event of an incident affecting the third parties' systems. Moreover, while we may be entitled to damages from other third-party service providers if they fail to satisfy their privacy or security-related obligations to us, any award may be insufficient to cover our damages, or we may be unable to recover such reward. In addition, supply-chain attacks have increased in frequency and severity, and we cannot guarantee that third parties' infrastructure in our supply chain or our third-party partners' supply chains have not been compromised.

Any of these or similar threats could cause a security incident or other interruption that can result in unauthorized, unlawful, or accidental acquisition, modification, destruction, loss, alteration, encryption, disclosure of, or access to our proprietary, confidential, and sensitive information or our

information technology systems, or those of the third parties upon whom we rely. A security incident or other interruption could disrupt our ability (and that of third parties upon whom we rely) to provide our solutions. We may expend significant resources or modify our business activities to try to protect against security incidents. Certain data privacy and security obligations may require us to implement and maintain specific security measures, industry-standard or reasonable security measures to protect our information technology systems and proprietary, confidential, and sensitive information, including personal data.

While we have implemented security measures designed to protect against security incidents, there can be no assurance that these measures will be effective. We have experienced, and may in the future experience, disruptions, outages and other performance problems due to a variety of factors, including infrastructure changes, deliberate or unintentional human or software errors, capacity constraints, fraud or security incidents. Moreover, we take steps to detect and remediate vulnerabilities in our information technology systems, but we may not be able to detect and remediate all vulnerabilities because the threats and techniques used to exploit the vulnerability change frequently, may not immediately produce signs of intrusion, and are often sophisticated in nature. Therefore, such vulnerabilities could be exploited but may not be detected until after a security incident has occurred. These vulnerabilities pose a material risk to our business. Further, we may experience delays in developing and deploying remedial measures designed to address any such identified vulnerabilities.

Data protection requirements may also require us to notify relevant stakeholders of security incidents, including affected individuals, partners, collaborators, customers, regulators, law enforcement agencies and others. Such disclosures are costly, and the disclosures or failure to comply with such requirements could lead to adverse consequences.

If we, our customers, or a third party upon which we rely, experience a security incident or other interruption, or are perceived to have experienced a security incident or other interruption, we may experience adverse consequences, such as government enforcement actions (for example, investigations, fines, penalties, audits, and inspections); additional reporting obligations and/or oversight; restrictions on processing information (including personal data); litigation (including class claims); indemnification obligations; negative publicity; reputational harm; monetary fund diversions; interruptions of our operations (including availability of data); financial loss (including by issuing credits to our customers); and other similar harm. Security incidents and attendant consequences may cause customers to stop using our solutions (including by not renewing their purchases of our solutions), deter new customers from using our solutions, and negatively impact our ability to grow and operate our business.

There can be no assurance that any limitations or exclusions of liabilities in our contracts would be enforceable or adequate or would otherwise protect us from liabilities or damages if we fail to comply with data protection requirements related to information security or security incidents. We cannot be sure that our insurance coverage will be adequate or otherwise protect us from or adequately mitigate liabilities or damages with respect to claims, costs, expenses, litigation, fines, penalties, business loss, data loss, regulatory actions or other impacts arising out of security incidents.

In addition, we face unique risks as a SAAS company, particularly in light of our business model. If our solutions fail to detect vulnerabilities in our customers' cybersecurity infrastructure, including for remote devices, or if our solutions fail to identify new and increasingly complex methods of cyberattacks, our business may suffer and our customers' businesses may be damaged, including by interrupting their networking traffic or operational technology environments. There is no guarantee that our solutions will detect all vulnerabilities or threats in our customers' systems, especially in light

of the rapidly changing security landscape to which we must respond. Additionally, our solutions may falsely detect vulnerabilities or threats that do not actually exist. For example, our solutions rely on information provided by an active community of users who contribute information about new exploits, attacks and vulnerabilities. If the information from these third parties is inaccurate, the potential for false indications of vulnerabilities or threats increases. These false positives, while typical in the industry, may impair the perceived reliability of our offerings. Additionally, our business depends upon the appropriate and successful implementation of our product by our customers. If our customers fail to use our solutions according to our specifications, our customers may suffer a security incident on their own systems or other adverse consequences. Even if such an incident is unrelated to our security practices, it could result in our incurring significant economic and operational costs in investigating, remediating, and implementing additional measures to further protect our customers from their own vulnerabilities.

The reliability and continuous availability of our solutions is critical to our success. We have experienced errors or defects in the past in connection with the release of new solutions and product upgrades, and we expect that these errors or defects will be found from time to time in the future in new or enhanced solutions after commercial release. In addition, we use third parties to assist in the development of our products and these third parties could be a source of errors or defects. Some defects may cause our solutions to be vulnerable to attacks, cause them to fail to detect vulnerabilities, or temporarily interrupt customers' networking traffic or operational technology environments, any of which may damage our customers' business and could hurt our reputation.

As a result of any of the risks associated with our SaaS business, we may experience adverse consequences. We may also be subject to liability claims for damages related to errors or defects in our solutions.

Our future quarterly results of operations are likely to fluctuate significantly due to a wide range of factors, which makes our future results difficult to predict.

Our revenue and results of operations have historically varied from period to period, and we expect that they will continue to do so as a result of a number of factors, many of which are outside of our control, including:

- the level of demand for our solutions;
- the introduction of new products and product enhancements by existing competitors or new entrants into our market, and changes in pricing for solutions offered by us or our competitors;
- the rate of renewal of subscriptions, and extent of expansion of assets under such subscriptions, with existing customers;
- the mix of customers licensing our products on a subscription basis as compared to a perpetual license;
- large customers failing to renew their subscriptions;
- the size, timing and terms of our subscription agreements with new customers;
- our ability to interoperate our solutions with our customers' network and security infrastructure, including remote devices;
- the timing and growth of our business, in particular through our hiring of new employees and international expansion;
- network outages, security breaches, technical difficulties or interruptions with our solutions (including security breaches by our service providers or vendors);
- changes in the growth rate of the markets in which we compete;

- the length of the license term, amount prepaid and other material terms of subscriptions to our solutions sold during a period;
- customers delaying purchasing decisions in anticipation of new developments or enhancements by us or our competitors or otherwise;
- changes in customers' budgets;
- seasonal variations related to sales and marketing and other activities, such as expenses related to our customers;
- our ability to increase, retain and incentivize the channel partners that market and sell our solutions;
- our ability to integrate our solutions with our ecosystem partners' technology;
- our ability to integrate any future acquisitions of businesses;
- our brand and reputation;
- the timing of our adoption of new or revised accounting pronouncements applicable to public companies and the impact on our results of operations;
- our ability to control costs, including our operating expenses, such as personnel costs, third-party cloud infrastructure costs and facilities costs;
- our ability to hire, train and maintain our direct sales force;
- unforeseen litigation and intellectual property infringement;
- fluctuations in our effective tax rate;
- general economic and political conditions, both domestically and internationally, as well as economic conditions specifically affecting industries in which our customers operate; and
- other events or factors, including those resulting from pandemics such as COVID-19, war, incidents of terrorism or responses to these events, or an economic recession in the United States or other major markets.

Any one of these or other factors discussed elsewhere in this Annual Report on Form 10-K, or the cumulative effect of some of these factors, may result in fluctuations in our revenue and operating results, meaning that quarter-to-quarter comparisons of our revenue, results of operations and cash flows may not necessarily be indicative of our future performance and may cause us to miss our guidance and analyst expectations and may cause our stock price to decline.

In addition, we have historically experienced seasonality in entering into agreements with customers. We typically enter into a significantly higher percentage of agreements with new customers, as well as renewal agreements with existing customers, in the third and fourth quarters. The increase in customer agreements in the third quarter is primarily attributable to U.S. government and related agencies, and the increase in the fourth quarter is primarily attributable to large enterprise account buying patterns typical in the software industry. We expect that seasonality will continue to affect our operating results in the future and may reduce our ability to predict cash flow and optimize the timing of our operating expenses.

Our business and results of operations depend substantially on our customers renewing their subscriptions with us and expanding the number of IT assets or IP addresses under their subscriptions. Any decline in our customer renewals, terminations or failure to convince our customers to expand their use of subscription offerings would harm our business, results of operations, and financial condition.

Our subscription offerings are term-based and a majority of our subscription contracts are for one year in duration. In order for us to maintain or improve our results of operations, it is important that a high percentage of our customers renew their subscriptions with us when the existing subscription

term expires, and renew on the same or more favorable terms. Our customers have no obligation to renew their subscriptions, and we may not be able to accurately predict customer renewal rates. In addition, the growth of our business depends in part on our customers expanding their use of subscription offerings and related services. Historically, some of our customers have elected not to renew their subscriptions with us for a variety of reasons, including as a result of changes in their strategic IT priorities, budgets, costs and, in some instances, due to competing solutions. Our retention rate may also decline or fluctuate if our existing customers choose to reduce or delay technology spending in response to economic conditions, including those resulting from exchange rate fluctuations relative to the U.S. dollar that make our products more expensive to existing customers, decades-high inflation or an economic recession in the United States or other major markets, that could lead to decreased spending, as well as a result of a number of other factors, including our customers' satisfaction or dissatisfaction with our software, the increase in the contract value of subscription and support contracts from new customers, the effectiveness of our customer support services, our pricing, the prices of competing products or services, mergers and acquisitions affecting our customer base, global economic conditions, and the other risk factors described in this Annual Report on Form 10-K. Additionally, many of our customers, including certain top customers, have the right to terminate their agreements with us for convenience and for other reasons. We cannot assure you that customers will maintain their agreements with us, renew subscriptions or increase their usage of our software. If our customers do not maintain or renew their subscriptions or renew on less favorable terms, or if we are unable to expand our customers' use of our software, our business, results of operations, and financial condition may be harmed.

We must maintain and enhance our brand.

We believe that developing and maintaining widespread awareness of our brand in a cost-effective manner is critical to achieving widespread acceptance of our enterprise platform and attracting new customers. Brand promotion activities may not generate customer awareness or increase revenue and, even if they do, any increase in revenue may not offset the expenses we incur in maintaining and promoting our brand. If we fail to successfully promote and maintain our brand, or incur substantial expenses, we may fail to attract or retain customers necessary to realize a sufficient return on our brand-building efforts, or to achieve the widespread brand awareness that is critical for broad customer adoption of our solutions.

We rely on third parties to maintain and operate certain elements of our network infrastructure.

We utilize data centers located in North America, Europe and Asia to operate and maintain certain elements of our own network infrastructure. Some elements of this complex system are operated by third parties that we do not control and that could require significant time to replace. We expect this dependence on third parties to continue. For example, Tenable One is hosted on Amazon Web Services, or AWS, which provides us with computing and storage capacity. Interruptions in our systems or the third-party systems on which we rely, particularly AWS, whether due to system failures, computer viruses or cyber threats, physical or electronic break-ins or other factors, could affect the security or availability of our solutions, network infrastructure and website.

Our existing data center facilities and third-party hosting providers have no obligations to renew their agreements with us on commercially reasonable terms or at all, and certain of the agreements governing these relationships may be terminated by either party with notice or access to hosting services may be restricted by the provider at any time, with no or limited notice. For example, our agreement with AWS allows AWS to terminate the agreement with two years' written notice and allows AWS, under certain circumstances, to temporarily restrict access to hosting services provided by AWS without prior notice. Although we expect that we could receive similar services from other

third parties, if any of our arrangements with third parties, including AWS, are terminated, we could experience interruptions on our platform and in our ability to make our platform available to customers, as well as downtime, delays and additional expenses in arranging alternative cloud infrastructure services.

Organizations may be reluctant to purchase our enterprise platform offerings that are cloud-based due to the actual or perceived vulnerability of cloud solutions.

Some organizations, including those in the defense industry and highly regulated industries such as healthcare and financial services, have historically been reluctant to use cloud-based solutions for cybersecurity because they have concerns regarding the risks associated with the reliability or security of the technology delivery model associated with these solutions. If we or other software companies with cloud-based offerings experience security incidents, breaches of customer data, disruptions in service delivery or other problems, the market for cloud-based solutions as a whole may be negatively impacted, which in turn would negatively impact our revenue and our growth prospects.

Our sales cycle is long and unpredictable.

The timing of sales of our offerings is difficult to forecast because of the length and unpredictability of our sales cycle, particularly with large enterprises and with respect to certain of our solutions. We sell our solutions primarily to IT departments that are managing a growing set of user and compliance demands, which has increased the complexity of customer requirements to be met and confirmed during the sales cycle and prolonged our sales cycle. Our average sales cycle with an enterprise customer is approximately four months, although unfavorable macroeconomic conditions and the extent to which we continue to enter into larger deals, could result in longer average sales cycles. Further, the length of time that potential customers devote to their testing and evaluation, contract negotiation and budgeting processes varies significantly, depending on the size of the organization and nature of the product or service under consideration. Macroeconomic uncertainty, including foreign exchange rates, inflation and concerns about economic recessions in the United States or other major markets, have and could continue to impact the budgets and purchasing decisions and processes of certain of our customers and prospective customers, some of whom have added additional controls on expenditures and require additional internal approvals of expenditures, even if relatively small in dollar amount, all of which could lengthen our average sales cycle. In addition, we might devote substantial time and effort to a particular unsuccessful sales effort, and as a result, we could lose other sales opportunities or incur expenses that are not offset by an increase in revenue, which could harm our business.

We are subject to stringent and changing laws, regulations, rules, contractual obligations, policies, and other obligations related to data privacy and security. Our failure, or perceived failure to comply with such obligations, could lead to regulatory investigations or actions; litigation; fines and penalties; disruptions of our business operations; reputational harm; loss of revenue or profits; loss of customers or sales; and other adverse business consequences.

In the ordinary course of our business, we collect, receive, store, process, generate, use, transfer, disclose, make accessible, protect, secure, dispose of, transmit, and share (collectively, "process") personal data and other sensitive information, including proprietary and confidential business information, trade secrets, intellectual property, and sensitive third-party information. Our data processing activities subject us to numerous data privacy and security obligations, such as various laws, rules, regulations, guidance, industry standards, external and internal privacy and security policies, contracts, and other obligations that govern the processing of personal data by us and on our behalf.

In the United States, federal, state, and local governments have enacted numerous data privacy security laws, including data breach notification laws, data privacy laws, consumer protection laws (e.g., Section 5 of the Federal Trade Commission Act), and other similar laws (e.g., wiretapping laws). For example, the California Consumer Privacy Act of 2018, as amended by the California Privacy Rights Act of 2020, CPRA or collectively, the CCPA, imposes obligations on covered businesses to provide specific disclosures in privacy notices and honor requests of California residents to exercise certain rights related to their personal data. The CCPA applies to personal data of business representatives and employees and provides for administrative fines for noncompliance (up to \$7,500 per violation). Further, the CPRA's recent amendments expanded the CCPA's requirements, including by adding a new right for individuals to correct their personal data and by establishing a new regulatory agency to implement and enforce the law, which could increase the risk of an enforcement action. Other states, such as Virginia, Connecticut, Utah and Colorado, have enacted data privacy laws, and similar laws are being considered in several other states, as well as at the federal and local levels. These developments may further complicate compliance efforts and may increase legal risk and compliance costs for us, the third parties upon whom we rely, and our customers. Additionally, under various privacy laws and other obligations, we may be required to obtain certain consents to process certain types of personal data. Our inability or failure to do so could result in adverse consequences.

Outside the United States, an increasing number of laws, regulations, and industry standards govern data privacy and security. For example, the European Union's General Data Protection Regulation, or EU GDPR, and the United Kingdom's GDPR, or UK GDPR, impose strict requirements for processing the personal data of individuals. Violations of these obligations carry significant potential consequences. For example, under the EU GDPR, government regulators may impose temporary or definitive bans on processing, as well as fines of up to €20 million or 4% of the annual global revenue, whichever is greater. We have an internal data privacy function that oversees and supervises our compliance with European and UK data protection regulations but, despite our efforts, we may fail, or be perceived to have failed, to comply. Canada's Personal Information Protection and Electronic Documents Act, or PIPEDA, and various related provincial laws, Canada's Anti-Spam Legislation, or CASL, and Brazil's General Data Protection Law (Law No. 13,709/2018), or Lei Geral de Proteção de Dados Pessoais, or LGPD, may apply to our operations. The LGPD broadly regulates processing personal data of individuals in Brazil and imposes compliance obligations and penalties comparable to those of the EU GDPR. Additionally, we also target customers in Asia and may be subject to new and emerging data privacy regimes in Asia, including China's Personal Information Protection Law, Japan's Act on the Protection of Personal Information, and Singapore's Personal Data Protection Act.

In addition, we may be unable to transfer personal data from Europe and other jurisdictions to the United States or other countries due to data localization requirements or limitations on cross-border data flows. Europe and other jurisdictions have enacted laws requiring data to be localized or limiting the transfer of personal data to other countries. In particular, the European Economic Area, or EEA, and the United Kingdom, or UK, have significantly restricted the transfer of personal data to the United States and other countries whose privacy laws it believes are inadequate. Other jurisdictions may adopt similarly stringent interpretations of their data localization and cross-border data transfer laws. Although there are currently various mechanisms that may be used to transfer personal data from the EEA and UK to the United States in compliance with law, such as the EEA and UK's standard contractual clauses, these mechanisms are subject to legal challenges, and there is no assurance that we can satisfy or rely on these measures to lawfully transfer personal data to the United States. If there is no lawful manner for us to transfer personal data from the EEA, the UK, or other jurisdictions to the United States, or if the requirements for a legally-compliant transfer are too onerous, we could face significant adverse consequences, including the interruption or degradation of our operations, the need to relocate part of or all of our business or data processing activities to other

jurisdictions at significant expense, increased exposure to regulatory actions, substantial fines and penalties, the inability to transfer data and work with partners, vendors and other third parties, and injunctions against our processing or transferring of personal data necessary to operate our business. Additionally, companies that transfer personal data out of the EEA and UK to other jurisdictions, particularly to the United States, are subject to increased scrutiny from regulators, individual litigants, and activist groups. For example, some European regulators have significantly restricted some companies from transferring certain personal data out of Europe for allegedly violating the GDPR's cross-border data transfer limitations.

In addition to data privacy and security laws, we may be contractually subject to industry standards adopted by industry groups and may become subject to such obligations in the future. Furthermore, we are bound by other contractual obligations relating to data privacy and security, and our efforts to comply with such obligations may not be successful. For example, certain privacy laws, such as the GDPR and the CCPA, require our customers to impose specific contractual restrictions on their service providers. Additionally, some of our customer contracts require us to host personal data locally.

We have published privacy policies, marketing materials and other statements, such as compliance with certain certifications or self-regulatory principles, regarding data privacy and security. If these policies, materials or statements are found to be deficient, lacking in transparency, deceptive, unfair, or misrepresentative of our practices, we may be subject to investigation, enforcement actions by regulators, or other adverse consequences.

Our obligations related to data privacy and security are quickly changing in an increasingly stringent fashion, creating some uncertainty as to the effective future legal framework. Additionally, these obligations may be subject to differing applications and interpretations, which may be inconsistent or in conflict among jurisdictions. Preparing for and complying with these obligations requires us to devote significant resources. These obligations may necessitate changes to our services, information technologies, systems, and practices and to those of any third parties that process personal data on our behalf. Existing and proposed laws and regulations can be costly to comply with, can delay or impede the development or adoption of our products and services and require significant management time and attention. Although we endeavor to comply with all data privacy and security obligations, we may at times fail (or be perceived to have failed) to do so. Moreover, despite our efforts, our personnel or third parties upon which we rely may fail to comply with such obligations, which could negatively impact our business operations and compliance posture. If we or the third parties upon which we rely fail, or are perceived to have failed, to address or comply with applicable data privacy and security obligations, we could face significant consequences. These consequences include, but are not limited to: government enforcement actions (such as investigations, fines, penalties, audits, inspections, and similar actions); litigation (including class-action related claims); additional reporting requirements and/or oversight; bans on processing personal data; and orders to destroy or not use personal data. Any of these events could have a material adverse effect on our reputation, business, or financial condition, including but not limited to: interruptions or stoppages in our business operations, inability to process personal data or operate in certain jurisdictions; limited ability to develop or commercialize our products; expenditure of time and resources to defend any claim or inquiry; reputational harm; loss of customers; reduction in the use of our products; or revision or restricting of our operations.

We rely on our third-party channel partner network of distributors and resellers to generate a substantial amount of our revenue.

Our success is dependent in part upon establishing and maintaining relationships with a variety of channel partners that we utilize to extend our geographic reach and market penetration. We use a

two-tiered, indirect fulfillment model whereby we sell our products and services to our distributors, which in turn sell to our resellers, which then sell to our end users, which we call customers. We anticipate that we will continue to rely on this two-tiered sales model in order to help facilitate sales of our offerings as part of larger purchases in the United States and to grow our business internationally. In 2022, 2021 and 2020, we derived 92%, 92% and 91%, respectively, of our revenue from subscriptions and perpetual licenses sold through channel partners, and the percentage of revenue derived from channel partners may continue to increase in future periods. Ingram Micro, Inc., a distributor, accounted for 38%, 39% and 43% of our revenue in 2022, 2021 and 2020, respectively, and 36% of our accounts receivable as of December 31, 2022 and 32% as of December 31, 2021. Our agreements with our channel partners, including our agreement with Ingram Micro, are non-exclusive and do not prohibit them from working with our competitors or offering competing solutions, and some of our channel partners may have more established relationships with our competitors. Similarly, our channel partners have no obligations to renew their agreements with us on commercially reasonable terms or at all, and certain of the agreements governing these relationships may be terminated by either party at any time, with no or limited notice. For example, our agreement with Ingram Micro allows Ingram Micro to terminate the agreement in their discretion upon 30 days' written notice to us. If our channel partners choose to place greater emphasis on products of their own or those offered by our competitors or a result of an acquisition, competitive factors or other reasons do not continue to market and sell our solutions in an effective manner or at all, our ability to grow our business and sell our solutions, particularly in key international markets, may be adversely affected. In addition, our failure to recruit additional channel partners, or any reduction or delay in their sales of our solutions and professional services, including as a result of economic uncertainty, or conflicts between channel sales and our direct sales and marketing activities may harm our results of operations. Finally, even if we are successful, our relationships with channel partners may not result in greater customer usage of our solutions and professional services or increased revenue.

A portion of our revenue is generated from subscriptions and perpetual licenses sold to domestic governmental entities, foreign governmental entities and other heavily regulated organizations, which are subject to a number of challenges and risks.

A portion of our revenue is generated from subscriptions and perpetual licenses sold to governmental entities in the United States. Additionally, many of our current and prospective customers, such as those in the financial services, energy, insurance and healthcare industries, are highly regulated and may be required to comply with more stringent regulations in connection with subscribing to and implementing our enterprise platform. Selling licenses to these entities can be highly competitive, expensive and time-consuming, often requiring significant upfront time and expense without any assurance that we will successfully complete a sale. Governmental demand and payment for our enterprise platform may also be impacted by public sector budgetary cycles and funding authorizations, with funding reductions or delays adversely affecting public sector demand for our enterprise platform. In addition, governmental entities have the authority to terminate contracts at any time for the convenience of the government, which creates risk regarding revenue anticipated under our existing government contracts.

Further, governmental and highly regulated entities often require contract terms that differ from our standard customer arrangements, including terms that can lead to those customers obtaining broader rights in our solutions than would be expected under a standard commercial contract and terms that can allow for early termination. The U.S. government will be able to terminate any of its contracts with us either for its convenience or if we default by failing to perform in accordance with the contract schedule and terms. Termination for convenience provisions would generally enable us to recover only our costs incurred or committed, settlement expenses, and profit on the work completed prior to termination. Termination for default provisions do not permit these recoveries and would make us liable for excess costs incurred by the U.S. government in procuring undelivered items from

another source. Contracts with governmental and highly regulated entities may also include preferential pricing terms. In the United States, federal government agencies may promulgate regulations, and the President may issue executive orders, requiring federal contractors to adhere to different or additional requirements after a contract is signed. If we do not meet applicable requirements of law or contract, we could be subject to significant liability from our customers or regulators. Even if we do meet these requirements, the additional costs associated with providing our enterprise platform to government and highly regulated customers could harm our operating results. Moreover, changes in the underlying statutory and regulatory conditions that affect these types of customers could harm our ability to efficiently provide them access to our enterprise platform and to grow or maintain our customer base. In addition, engaging in sales activities to foreign governments introduces additional compliance risks, including risks specific to anti-bribery regulations, including the U.S. Foreign Corrupt Practices Act of 1977, as amended, or the FCPA, the U.K. Bribery Act 2010 and other similar statutory requirements prohibiting bribery and corruption in the jurisdictions in which we operate. Further, in some jurisdictions we may be required to obtain government certifications, which may be costly to maintain and, if we lost such certifications in the future or if such certification requirements changed, would restrict our ability to sell to government entities until we have attained such certifications.

Some of our revenue is derived from contracts with U.S. government entities, as well as subcontracts with higher-tier contractors. As a result, we are subject to federal contracting regulations, including the Federal Acquisition Regulation, or the FAR. Under the FAR, certain types of contracts require pricing that is based on estimated direct and indirect costs, which are subject to change.

In connection with our U.S. government contracts, we may be subject to government audits and review of our policies, procedures, and internal controls for compliance with contract terms, procurement regulations, and applicable laws. In certain circumstances, if we do not comply with the terms of a contract or with regulations or statutes, we could be subject to contract termination or downward contract price adjustments or refund obligations, could be assessed civil or criminal penalties, or could be debarred or suspended from obtaining future government contracts for a specified period of time. Any such termination, adjustment, sanction, debarment or suspension could have an adverse effect on our business.

In the course of providing our solutions and professional services to governmental entities, our employees and those of our channel partners may be exposed to sensitive government information. Any failure by us or our channel partners to safeguard and maintain the confidentiality of such information could subject us to liability and reputational harm, which could materially and adversely affect our results of operations and financial performance.

Our pricing model subjects us to various challenges that could make it difficult for us to derive expected value from our customers and we may need to reduce our prices or change our pricing model to remain competitive.

Subscriptions and perpetual licenses to our enterprise platform are generally priced based on the number of IP addresses or total IT assets that can be monitored. We expect that we may need to change our pricing from time to time. As competitors introduce new products that compete with ours or reduce their prices, we may be unable to attract new customers or retain existing customers based on our historical pricing. We also must determine the appropriate price to enable us to compete effectively internationally. Moreover, mid- to large-size enterprises may demand substantial price discounts as part of the negotiation of sales contracts and, as the amount of IT assets or IP addresses within our customers' organization grows, we may face additional pressure from our customers regarding our pricing. As a result, we may be required or choose to reduce our prices or

change our pricing model, which could adversely affect our business, revenue, operating margins and financial condition.

Further, our subscription agreements and perpetual licenses generally provide that we can audit our customers' use of our offerings to ensure compliance with the terms of such agreement or license and monitor an increase in IT assets and IP addresses being monitored. However, a customer may resist or refuse to allow us to audit their usage, in which case we may have to pursue legal recourse to enforce our rights under the agreement or license, which would require us to spend money, distract management and potentially adversely affect our relationship with our customers and users.

If our enterprise platform offerings do not achieve sufficient market acceptance, our results of operations and competitive position will suffer.

We spend substantial amounts of time and money to research and develop and enhance our enterprise platform offerings to meet our customers' rapidly evolving demands. In addition, we invest in efforts to continue to add capabilities to our existing products and enable the continued detection of new network vulnerabilities. We typically incur expenses and expend resources upfront to market, promote and sell our new and enhanced offerings. Therefore, when we develop and introduce new or enhanced offerings, they must achieve high levels of market acceptance in order to justify the amount of our investment in developing and bringing them to market, and if these new or enhanced offerings do not garner widespread market adoption and implementation, our operating results and competitive position could suffer.

Further, we may make enhancements to our offerings that our customers do not like, find useful or agree with. We may also discontinue certain features, begin to charge for certain features that are currently free or increase fees for any of our features or usage of our offerings.

Our new offerings or enhancements and changes to our existing offerings could fail to attain sufficient market acceptance for many reasons, including:

- failure to predict market demand accurately, including changes in demand as a result of macroeconomic trends, in terms of functionality and to supply offerings that meets this demand in a timely fashion;
- defects, errors or failures;
- negative publicity about their performance or effectiveness;
- delays in releasing our new offerings or enhancements to our existing offerings to the market;
- introduction or anticipated introduction of competing products by our competitors;
- poor business conditions for our customers, including as a result of difficult macroeconomic conditions, causing them to delay or forgo IT purchases; and
- reluctance of customers to purchase cloud-based offerings.

If our new or enhanced offerings do not achieve adequate acceptance in the market, our competitive position will be impaired, and our revenue will be diminished. The adverse effect on our operating results may be particularly acute because of the significant research, development, marketing, sales and other expenses we will have incurred in connection with the new or enhanced offerings.

Our strategy of offering and deploying our solutions in the cloud, on-premises environments or using a hybrid approach causes us to incur increased expenses and may pose challenges to our business.

We offer and sell our enterprise platform for use in the cloud, on-premises environments or using a hybrid approach using the customer's own infrastructure. Our cloud offering enables our customers to eliminate the burden of provisioning and maintaining infrastructure and to scale their usage of our solutions quickly, while our on-premises offering allows for the customer's complete control over data security and software infrastructure. Historically, our solutions were developed in the context of the on-premises offering, and we have less operating experience offering and selling subscriptions to our solutions via our cloud offering. Although a substantial majority of our revenue has historically been generated from customers using our solutions on an on-premises basis, our customers are increasingly adopting our cloud offering. We expect that our customers will continue to move to our cloud offering and that it will become more central to our distribution model. We expect our gross profit to increase in absolute dollars and our gross margin to decrease to the extent that revenue from our cloud-based subscriptions increases as a percentage of revenue, although our gross margin could fluctuate from period to period. To support both on-premises environments and cloud instances of our product, our support team must be trained on and learn multiple environments in which our solution is deployed, which is more expensive than supporting only a cloud offering. Moreover, we must engineer our software for an on-premises environment, cloud offering and hybrid installation, which we expect will cause us additional research and development expense that may impact our operating results. As more of our customers transition to the cloud, we may be subject to additional competitive pressures, which may harm our business. We are directing a significant portion of our financial and operating resources to implement a robust and secure cloud offering for our customers, but even if we continue to make these investments, we may be unsuccessful in growing or implementing our cloud offering in a way that competes successfully against our current and future competitors and our business, results of operations and financial condition could be harmed.

Our customers' increased usage of our cloud-based offerings requires us to continually improve our computer network and infrastructure to avoid service interruptions or slower system performance.

As usage of our cloud-based offerings grows and as customers use them for more complicated applications, increased assets and with increased data requirements, we will need to devote additional resources to improving our platform architecture and our infrastructure in order to maintain the performance of our cloud offering. Any failure or delays in our computer systems could cause service interruptions or slower system performance. If sustained or repeated, these performance issues could reduce the attractiveness of our enterprise platform to customers. These performance issues could result in lost customer opportunities and lower renewal rates, any of which could hurt our revenue growth, customer loyalty and reputation.

A component of our growth strategy is dependent on our continued international expansion, which adds complexity to our operations.

We market and sell our solutions and professional services throughout the world and have personnel in many parts of the world. International operations generated 44% and 42% of our revenue in 2022 and 2021, respectively. Our growth strategy is dependent, in part, on our continued international expansion. We expect to conduct a significant amount of our business with organizations that are located outside the United States, particularly in Europe and Asia. We cannot assure that our expansion efforts into international markets will be successful in creating further demand for our solutions and professional services outside of the United States or in effectively selling our solutions

and professional services in the international markets that we enter. Our current international operations and future initiatives will involve a variety of risks, including:

- increased management, infrastructure and legal costs associated with having international operations;
- reliance on channel partners;
- trade and foreign exchange restrictions, including potential changes in trade relations arising from policy initiatives;
- volatility of foreign exchange rates;
- economic or political instability in foreign markets, including instability related to the United Kingdom's recent exit from the European Union and the corresponding impact on its ongoing legal, political, and economic relationship with the European Union and heightened levels of inflation;
- greater difficulty in enforcing contracts, accounts receivable collection and longer collection periods;
- changes in regulatory requirements, including, but not limited to data privacy, data protection and data security regulations;
- difficulties and costs of staffing, managing and potentially reorganizing foreign operations, including increased employee recruitment, training and retention costs related to global employment turnover trends and inflationary pressures in the labor market;
- the uncertainty and limitation of protection for intellectual property rights in some countries;
- costs of compliance with foreign laws and regulations and the risks and costs of non-compliance with such laws and regulations;
- differing labor regulations in foreign jurisdictions where labor laws are generally more advantageous to employees, including deemed hourly wage and overtime regulations in these locations;
- costs of compliance with U.S. laws and regulations for foreign operations, including the FCPA, import and export control laws, tariffs, trade barriers, economic sanctions and other regulatory or contractual limitations on our ability to sell or provide our solutions in certain foreign markets, and the risks and costs of non-compliance;
- requirements to comply with foreign privacy, data protection and information security laws and regulations and the risks and costs of noncompliance;
- heightened risks of unfair or corrupt business practices in certain geographies and of improper or fraudulent sales arrangements that may impact financial results and result in restatements of, and irregularities in, financial statements;
- the potential for political unrest, pandemics, acts of terrorism, hostilities or war, including the invasion of Ukraine by Russia;
- management communication and integration problems resulting from cultural differences and geographic dispersion;
- costs associated with language localization of our solutions; and
- costs of compliance with multiple and possibly overlapping tax structures and regimes.

Our business, including the sales of our solutions and professional services by us and our channel partners, may be subject to foreign governmental regulations, which vary substantially from country to country and change from time to time. Our failure, or the failure by our channel partners, to comply with these regulations could adversely affect our business. Further, in many foreign countries it is common for others to engage in business practices that are prohibited by our internal policies and procedures or U.S. regulations applicable to us. Although we have implemented policies and procedures designed to comply with these laws and policies, there can be no assurance that our

employees, contractors, channel partners and agents have complied, or will comply, with these laws and policies. Violations of laws or key control policies by our employees, contractors, channel partners or agents could result in delays in revenue recognition, financial reporting misstatements, fines, penalties or the prohibition of the importation or exportation of our solutions and could have a material adverse effect on our business and results of operations. If we are unable to successfully manage the challenges of international expansion and operations, our business and operating results could be adversely affected.

We rely on the performance of highly skilled personnel, including senior management and our engineering, professional services, sales and technology professionals, and our ability to increase our customer base will depend to a significant extent on our ability to expand our sales and marketing operations.

We believe our success has depended, and continues to depend, on the efforts and talents of our senior management team and our highly skilled team members, including our sales personnel, professional services personnel and software engineers. We do not maintain key person insurance on any of our executive officers or key employees. Our senior management and key employees are employed on an at-will basis, which means that they could terminate their employment with us at any time. The loss of any of our senior management or key employees could adversely affect our ability to execute our business plan, and we may not be able to find adequate replacements. We cannot ensure that we will be able to retain the services of any members of our senior management or other key employees.

Our ability to successfully pursue our growth strategy also depends on our ability to attract, motivate and retain our personnel. Competition for well-qualified employees in all aspects of our business is intense. The move by companies to offer a remote or hybrid work environment may increase competition for such employees outside of our traditional office locations. In addition, employee turnover rates in the broader global economy and inflationary pressures in the labor market have increased and may continue to be elevated, which has led, and could continue to lead to increased recruiting, training and retention costs. If we do not succeed in attracting well-qualified employees, retaining and motivating existing employees or maintaining our corporate culture in a hybrid or remote work environment, our business would be adversely affected.

In addition, our ability to increase our customer base and achieve broader market acceptance of our Cyber Exposure solutions will depend to a significant extent on our ability to expand our sales force and our third-party channel partner network of distributors and resellers, both domestically and internationally. We may not be successful in attracting and retaining talented sales personnel or strategic partners, and any new sales personnel or strategic partners may not be able to achieve productivity in a reasonable period of time or at all. We also plan to dedicate significant resources to sales and marketing programs, including through electronic marketing campaigns and, when deemed safe to do so, trade event sponsorship and participation. All of these efforts will require us to invest significant financial and other resources and our business will be harmed if our efforts do not generate a correspondingly significant increase in revenue.

We must offer high-quality support.

Our customers rely on our personnel for support of our enterprise platform. High-quality support is important for the renewal of our agreements with existing customers and to our existing customers expanding the number of IP addresses or IT assets under their subscriptions. The importance of high-quality support will increase as we expand our business and pursue new customers. If we do not help our customers quickly resolve issues and provide effective ongoing support, our ability to sell new

software to existing and new customers would suffer and our reputation with existing or potential customers would be harmed.

Our growth depends in part on the success of our strategic relationships with third parties.

In order to grow our business, we anticipate that we will continue to depend on relationships with strategic partners to provide broader customer coverage and solution delivery capabilities. We depend on partnerships with market leading technology companies to maintain and expand our exposure management ecosystem by integrating third party data into our platform. Identifying partners, and negotiating and documenting relationships with them, requires significant time and resources. Our agreements with our strategic partners generally are non-exclusive and do not prohibit them from working with our competitors or offering competing solutions. Our competitors may be effective in providing incentives to third parties to favor their products or services or to prevent or reduce subscriptions to our services. If our partners choose to place greater emphasis on products of their own or those offered by our competitors or do not effectively market and sell our product, our ability to grow our business and sell software and professional services may be adversely affected. In addition, acquisitions of our partners by our competitors could result in a decrease in the number of our current and potential customers, as our partners may no longer facilitate the adoption of our solutions by potential customers. We also license third-party threat data that is used in our solutions in order to deliver our offerings. In the future, this data may not be available to us on commercially reasonable terms, or at all. Any loss of the right to use any of this data could result in delays in the provisioning of our offerings until equivalent data is either developed by us, or, if available, is identified, obtained and integrated, which could harm our business.

If we are unsuccessful in establishing or maintaining our relationships with third parties, our ability to compete in the marketplace or to grow our revenue could be impaired and our operating results may suffer. Even if we are successful, we cannot assure you that these relationships will result in increased customer usage of our solutions or increased revenue.

Recent and future acquisitions could disrupt our business and adversely affect our business operations and financial results.

We have in the past acquired products, technologies and businesses from other parties, and we expect to expand our current business by acquiring additional businesses or technologies in the future. Acquisitions involve many risks, including the following:

- an acquisition may negatively affect our financial results because it may require us to incur charges or assume substantial debt or other liabilities, may cause adverse tax consequences or unfavorable accounting treatment, may expose us to claims and disputes by third parties, including intellectual property claims and disputes, or may not generate sufficient financial return to offset additional costs and expenses related to the acquisition;
- we may encounter difficulties or unforeseen expenditures in integrating the business, technologies, products, personnel or operations of any company that we acquire, particularly if key personnel of the acquired company decide not to work for us;
- an acquisition may disrupt our ongoing business, divert resources, increase our expenses and distract our management;
- an acquisition may result in a delay or reduction of customer purchases for both us and the company acquired due to customer uncertainty about continuity and effectiveness of service from either company;
- we may encounter difficulties in, or may be unable to, successfully sell any acquired solutions;

- an acquisition may involve the entry into geographic or business markets in which we have little or no prior experience or where competitors have stronger market positions;
- our use of cash to pay for an acquisition would limit other potential uses for our cash; and
- if we incur debt to fund such acquisition, such debt may subject us to material restrictions on our ability to conduct our business as well as financial maintenance covenants.

The occurrence of any of these risks could have a material adverse effect on our business operations and financial results. In addition, we may only be able to conduct limited due diligence on an acquired company's operations. Following an acquisition, we may be subject to unforeseen liabilities arising from an acquired company's past or present operations and these liabilities may be greater than the warranty and indemnity limitations that we negotiate. Any unforeseen liability that is greater than these warranty and indemnity limitations could have a negative impact on our financial condition.

We may require additional capital to support business growth, and this capital might not be available on acceptable terms, if at all.

We expect that our existing cash and cash equivalents will be sufficient to meet our anticipated cash needs for working capital and capital expenditures for at least the next 12 months and the foreseeable future. However, we intend to continue to make investments to support our business growth and may require additional funds to respond to business challenges, including the need to develop new features or enhance our product, improve our operating infrastructure or acquire complementary businesses and technologies. Accordingly, we may need to engage in equity or debt financings to secure additional funds. If we raise additional funds through future issuances of equity or convertible debt securities, our existing stockholders could suffer significant dilution, and any new equity securities we issue could have rights, preferences and privileges superior to those of holders of our common stock. Our current loan agreement includes, and we expect that any future agreements governing our indebtedness will include, restrictive covenants relating to our capital raising activities and other financial and operational matters, which may make it more difficult for us to obtain additional capital and to pursue business opportunities, including potential acquisitions. We may not be able to obtain additional financing on terms favorable to us, if at all. Weakness and volatility in the capital markets and the economy in general could limit our access to capital markets and increase our costs of borrowing. If we are unable to obtain adequate financing or financing on terms satisfactory to us when we require it, our ability to continue to support our business growth and to respond to business challenges could be significantly impaired, and our business may be adversely affected.

If we do not generate sufficient cash flows, we may be unable to service all of our indebtedness.

To service our indebtedness, we will require a significant amount of cash. Our ability to generate cash, make scheduled payments or to refinance our debt obligations depends on our successful financial and operating performance, which may be affected by a range of economic, competitive and business factors, many of which are outside of our control and some of which are described elsewhere in the "Risk Factors" section of this report.

If our cash flows and capital resources are insufficient to fund our debt service obligations, or to repay the term loan when it matures, we may have to undertake alternative financing plans, such as refinancing or restructuring our debt, selling assets or operations, reducing or delaying capital investments, or seeking to raise additional capital. We may not be able to refinance our debt, or any refinancing of our debt could be at higher interest rates and may require us to comply with more restrictive covenants that could further restrict our business operations. Our ability to implement successfully any such alternative financing plans will depend on a range of factors, including general

economic conditions, the level of activity in capital markets generally, and the terms of our various debt instruments then in effect.

Covenants under our Credit Agreement may restrict our business and operations in many ways, and if we do not effectively manage our covenants, our financial conditions and results of operations could be adversely affected.

Our Credit Agreement imposes various covenants that limit our ability and/or our restricted subsidiaries' ability to, among other things:

- pay dividends or distributions, repurchase equity, prepay, redeem or repurchase certain debt, and make certain investments;
- incur additional debt and issue certain preferred stock;
- provide guarantees in respect of obligations of other persons;
- incur liens on assets;
- engage in certain asset sales, including capital stock of our subsidiaries;
- merge, consolidate with, or sell all or substantially all our assets to another person;
- enter into transactions with affiliates;
- enter into agreements that restrict distributions from our subsidiaries;
- designate subsidiaries as unrestricted subsidiaries; and
- prohibit certain restrictions on the ability of restricted subsidiaries to pay dividends or make other payments to us.

These covenants may:

- limit our ability to borrow additional funds for working capital, capital expenditures, acquisitions, or other general business purposes;
- limit our ability to use our cash flow or obtain additional financing for future working capital, capital expenditures, acquisitions, or other general business purposes;
- require us to use a substantial portion of our cash flow from operations to make debt service payments;
- limit our flexibility to plan for, or react to, changes in our business and industry;
- place us at a competitive disadvantage compared to less leveraged competitors; and
- increase our vulnerability to the impact of adverse economic and industry conditions.

If we are unable to successfully manage the limitations and decreased flexibility on our business due to our significant debt obligations, we may not be able to capitalize on strategic opportunities or grow our business to the extent we would be able to without these limitations.

Our failure to comply with any of the covenants could result in a default under the Credit Agreement, which could permit the administrative agent or the lenders to cause the administrative agent to declare all or part of any of our outstanding senior secured term loans or revolving loans to be immediately due and payable or to exercise any remedies provided to the administrative agent, including, proceeding against the collateral granted to secure our obligations under the Credit Agreement. An event of default under the Credit Agreement could also lead to a default under the

terms of certain of our other agreements. Any such event of default or any exercise of rights and remedies by our creditors could seriously harm our business.

The phase-out, replacement or unavailability of LIBOR could adversely affect our indebtedness.

Loans under the Credit Agreement bear interest at a rate based on the London Interbank Offered Rate, or LIBOR. On July 27, 2017, the U.K. Financial Conduct Authority, or the FCA, announced that it will no longer require banks to submit rates for the calculation of LIBOR after 2021. However, the cessation date has been deferred to June 30, 2023 for the most commonly used tenors in U.S. dollar LIBOR (i.e., overnight and one, three and six months). This extension to 2023 means that many legacy U.S. dollar LIBOR contracts would terminate before related LIBOR rates cease to be published. In the meantime, actions by the FCA, other regulators, or law enforcement agencies may result in changes to the method by which LIBOR is calculated. If changes to LIBOR result in an increase in rates, our interest expense under the Credit Agreement would increase. Further, if LIBOR is no longer available, our Credit Agreement will be subject to the Secured Overnight Financing Rate, or SOFR, and if SOFR is higher than LIBOR, our interest expense under the Credit Agreement would increase.

The nature of our business requires the application of complex accounting rules and regulations and public reporting and corporate governance requirements. If there are significant changes in current principles, financial reporting standards, interpretations or public reporting and corporate governance requirements, or if our estimates or judgments relating to our critical accounting policies or reporting or governance requirements prove to be incorrect, we may experience unexpected financial reporting fluctuations or increased compliance costs and strain on our resources and our results of operations could be adversely affected.

The accounting rules and regulations that we must comply with are complex and subject to interpretation by the Financial Accounting Standards Board, the Securities and Exchange Commission, or SEC, and various bodies formed to promulgate and interpret appropriate accounting principles. In addition, many companies' accounting disclosures are being subjected to heightened scrutiny by regulators and the public. Further, the accounting rules and regulations are continually changing in ways that could impact our financial statements.

The preparation of financial statements in conformity with generally accepted accounting principles in the United States, or U.S. GAAP, requires management to make estimates and assumptions that affect the amounts reported in the consolidated financial statements and accompanying notes. We base our estimates on historical experience and on various other assumptions that we believe to be reasonable under the circumstances, as provided in the section of this report titled "Management's Discussion and Analysis of Financial Condition and Results of Operations." Significant assumptions and estimates used in preparing our consolidated financial statements include the determination of the estimated economic life of perpetual licenses for revenue recognition, the estimated period of benefit for deferred commissions, useful lives of long-lived assets, the valuation of stock-based compensation, the incremental borrowing rate for operating leases, and the valuation of deferred tax assets. Our results of operations may be adversely affected if our assumptions change or if actual circumstances differ from those in our assumptions, which could cause our results of operations to fall below the expectations of securities analysts and investors, resulting in a decline in the trading price of our common stock.

As a public company, we are also subject to the reporting and corporate governance requirements of the Exchange Act, the listing requirements of the Nasdaq Stock Market and other

applicable securities rules and regulations, including the Sarbanes-Oxley Act and the Dodd-Frank Wall Street Reform and Consumer Protection Act. Compliance with these rules and regulations increases our legal and financial compliance costs, makes some activities more difficult, time-consuming or costly and increases demand on our systems and resources.

Additionally, we regularly monitor our compliance with applicable financial reporting standards and SEC and applicable listing standard requirements and review new pronouncements, drafts and interpretations thereof that are relevant to us. We might be required to change our accounting policies, alter our operational policies and implement new or enhance existing systems, or we may be required to restate our published financial statements, as a result of new standards or requirements, changes to existing standards or requirements and changes in their interpretation. Such changes to existing standards or requirements or changes in their interpretation may have an adverse effect on our reputation, business, financial position and profit, or cause an adverse deviation from our revenue and operating profit target, which may negatively impact our financial results. Additionally, we may incur substantial professional fees and expend significant management efforts, and we may need to hire additional staff with the appropriate experience and compile systems and processes necessary to adopt these new standards and disclosure or governance requirements.

Unstable market and economic conditions may have material adverse consequences on our business, financial condition and share price.

The global economy, including credit and financial markets, has recently experienced extreme volatility and disruptions, including severely diminished liquidity and credit availability, declines in consumer confidence, declines in economic growth, increases in unemployment rates, increases in inflation rates, higher interest rates and uncertainty about economic stability. For example, in recent years the COVID-19 pandemic, decades-high inflation and concerns about an economic recession in the United States or other major markets resulted in widespread unemployment, economic slowdown and extreme volatility in the capital markets. The Federal Reserve recently raised interest rates multiple times in response to concerns about inflation and is expected to continue to raise rates. Higher interest rates, coupled with reduced government spending and volatility in financial markets, including with respect to foreign exchange, may increase economic uncertainty and affect consumer spending. For example, during periods with a relatively strong U.S. dollar, our products are more expensive for existing and prospective international customers, which has impacted, and could in the future impact, the budgets and purchasing decisions of certain of our existing and prospective international customers.

If the equity and credit markets deteriorate, including as a result of political unrest or war, it may make any necessary debt or equity financing more difficult to obtain in a timely manner or on favorable terms, more costly or more dilutive. Increased inflation rates can adversely affect us by increasing our costs, including labor and employee benefit costs. In addition, higher inflation also could increase our customers' operating costs, which could result in reduced budgets for our customers, longer sales cycles and potentially less demand for our products. Any significant increases in inflation and related increase in interest rates could have a material adverse effect on our business, results of operations and financial condition.

Catastrophic events may disrupt our business.

Our corporate headquarters are located in Columbia, Maryland. The area around Washington, D.C. could be subject to terrorist attacks. Additionally, we rely on our network and third-party infrastructure and enterprise applications, internal technology systems and our website for our development, marketing, operational support, hosted services and sales activities.

We have both hybrid remote and in-person work policies, however, substantially all of our employees have continued to work in a hybrid environment, which may pose additional security risks. Our business operations are subject to interruption by natural disasters, including those related to the long-term effects of climate change, and other catastrophic events such as fire, floods, power loss, telecommunications failure, cyberattack, war or terrorist attack, or epidemic or pandemic, such as the COVID-19 pandemic. To the extent such events impact our corporate headquarters, other facilities, or off-premises infrastructure, we may be unable to continue our operations and may endure system interruptions, reputational harm, delays in our software development, lengthy interruptions in our services, breaches of data security and loss of critical data, all of which could have an adverse effect on our future operating results.

Our business, financial condition and results of operations could be materially adversely affected by any negative impact on the global economy and capital markets resulting from the ongoing invasion of Ukraine by Russia or any other geopolitical tensions.

U.S. and global markets are experiencing volatility and disruption following the escalation of geopolitical tensions and the invasion of Ukraine by Russia. Although the length and impact of the ongoing military conflict is highly unpredictable, the conflict in Ukraine has resulted, and could continue to result, in market disruptions, including significant volatility in commodity prices, credit and capital markets, disruption in the energy market as well as supply chain interruptions.

Additionally, the invasion of Ukraine by Russia has led to sanctions and other penalties being levied by the United States, European Union and other countries against Russia and Belarus. Additional potential sanctions and penalties have also been proposed and/or threatened. Russian military actions and the resulting sanctions could adversely affect the global economy, which could impact the budgets and purchasing decisions and processes of certain of our customers and prospective customers.

At December 31, 2022, our business has not been negatively materially impacted by the ongoing invasion of Ukraine by Russia. However, we believe that the heightened threat environment could highlight the need for our customers to continuously map and measure their cyber exposure across the attack surface.

It is impossible to predict the extent to which our operations, or those of our partners or customers, will be impacted in the short and long term, or the ways in which the conflict may impact our business. The extent and duration of the military action, sanctions and resulting market disruptions are impossible to predict, but could be substantial.

Risks Related to Government Regulation, Data Collection and Intellectual Property

Our business could be adversely affected if our employees cannot obtain and maintain required security clearances or we cannot establish and maintain a required facility security clearance.

Certain U.S. government contracts may require our employees to maintain various levels of security clearances, and may require us to maintain a facility security clearance, to comply with Department of Defense, or DoD, requirements. The DoD has strict security clearance requirements for personnel who perform work in support of classified programs. Obtaining and maintaining a facility clearance and security clearances for employees can be a difficult, sometimes lengthy process. If we do not have employees with the appropriate security clearances, then a customer requiring classified work could terminate an existing contract or decide not to renew the contract upon its expiration. To the extent we are not able to obtain or maintain a facility security clearance, we may not be able to bid

on or win new classified contracts, and existing contracts requiring a facility security clearance could be terminated.

Any failure to protect our proprietary technology and intellectual property rights could substantially harm our business and operating results.

Our success and ability to compete depend in part on our ability to protect our proprietary technology and intellectual property. To safeguard these rights, we rely on a combination of patent, trademark, copyright and trade secret laws and contractual protections in the United States and other jurisdictions, all of which provide only limited protection and may not now or in the future provide us with a competitive advantage.

At December 31, 2022, we had 26 issued patents and 25 patent applications pending in the United States relating to our technology. We cannot assure you that any patents will issue from any patent applications, that patents that issue from such applications will give us the protection that we seek or that any such patents will not be challenged, invalidated or circumvented. Any patents that may issue in the future from our pending or future patent applications may not provide sufficiently broad protection and may not be enforceable in actions against alleged infringers. Obtaining and enforcing software patents in the United States is becoming increasingly challenging. Any patents we have obtained or may obtain in the future may be found to be invalid or unenforceable in light of recent and future changes in the law. We have registered the "Tenable," "Nessus," "Tenable.io" and "Lumin" trademarks and our Tenable logo in the United States and certain other countries. We have registrations and/or pending applications for additional trademarks in the United States; however, we cannot assure you that any future trademark registrations will be issued for pending or future applications or that any registered trademarks will be enforceable or provide adequate protection of our proprietary rights. While we have copyrights in our software, we do not typically register such copyrights with the Copyright Office. This failure to register the copyrights in our software may preclude us from obtaining statutory damages for infringement under certain circumstances. We also license software from third parties for integration into our software, including open source software and other software available on commercially reasonable terms. We cannot assure you that such third parties will maintain such software or continue to make it available.

In order to protect our unpatented proprietary technologies and processes, we rely on trade secret laws and confidentiality and invention assignment agreements with our employees, consultants, strategic partners, vendors and others. Despite our efforts to protect our proprietary technology and trade secrets, unauthorized parties may attempt to misappropriate, copy, reverse engineer or otherwise obtain and use them. In addition, others may independently discover our trade secrets, in which case we would not be able to assert trade secret rights, or develop similar technologies and processes. Further, several agreements may give customers limited rights to access portions of our proprietary source code, and the contractual provisions that we enter into may not prevent unauthorized use or disclosure of our proprietary technology or intellectual property and may not provide an adequate remedy in the event of unauthorized use or disclosure of our proprietary technology or intellectual property rights. Moreover, policing unauthorized use of our technologies, trade secrets and intellectual property is difficult, expensive and time-consuming, particularly in foreign countries where the laws may not be as protective of intellectual property rights as those in the United States and where mechanisms for enforcement of intellectual property rights may be weak. To the extent that we expand our activities outside of the United States, our exposure to unauthorized copying and use of our solutions and proprietary information may increase. We may be unable to determine the extent of any unauthorized use or infringement of our solutions, technologies or intellectual property rights.

There can be no assurance that the steps that we take will be adequate to protect our proprietary technology and intellectual property, that others will not develop or patent similar or superior technologies, solutions or services, or that our trademarks, patents, and other intellectual property will not be challenged, invalidated or circumvented by others. Furthermore, effective trademark, patent, copyright, and trade secret protection may not be available in every country in which our software is available or where we have employees or independent contractors. In addition, the legal standards relating to the validity, enforceability, and scope of protection of intellectual property rights in internet and software-related industries are uncertain and still evolving.

In order to protect our intellectual property rights, we may be required to spend significant resources to monitor and protect these rights. Litigation brought to protect and enforce our intellectual property rights could be costly, time-consuming and distracting to management and could result in the impairment or loss of portions of our intellectual property. Furthermore, our efforts to enforce our intellectual property rights may be met with defenses, counterclaims and countersuits attacking the validity and enforceability of our intellectual property rights. Our failure to secure, protect and enforce our intellectual property rights could seriously adversely affect our brand and adversely impact our business.

We may be subject to intellectual property rights claims by third parties, which are extremely costly to defend, could require us to pay significant damages and could limit our ability to use certain technologies.

Companies in the software and technology industries, including some of our current and potential competitors, own significant numbers of patents, copyrights, trademarks and trade secrets and frequently enter into litigation based on allegations of infringement or other violations of intellectual property rights. In addition, many of these companies have the capability to dedicate substantially greater resources to enforce their intellectual property rights and to defend claims that may be brought against them. The litigation may involve patent holding companies or other adverse patent owners that have no relevant product revenue and against which our patents may therefore provide little or no deterrence. In the past, we have been subject to allegations of patent infringement that were unsuccessful, and we expect in the future to be subject to claims that we have misappropriated, misused, or infringed other parties' intellectual property rights, and, to the extent we gain greater market visibility or face increasing competition and as we acquire more companies, we face a higher risk of being the subject of intellectual property infringement claims, which is not uncommon with respect to enterprise software companies. We may in the future be subject to claims that employees or contractors, or we, have inadvertently or otherwise used or disclosed trade secrets or other proprietary information of our competitors or other parties. To the extent that intellectual property claims are made against our customers based on their usage of our technology, we have certain obligations to indemnify and defend such customers from those claims. The term of our contractual indemnity provisions often survives termination or expiration of the applicable agreement. Large indemnity payments, defense costs or damage claims from contractual breach could harm our business, results of operations and financial condition.

There may be third-party intellectual property rights, including issued or pending patents that cover significant aspects of our technologies or business methods, including those relating to companies we acquire. Any intellectual property claims, with or without merit, could be very time-consuming, could be expensive to settle or litigate, could divert our management's attention and other resources and could result in adverse publicity. These claims could also subject us to making substantial payments for legal fees, settlement payments, and other costs or damages, potentially including treble damages if we are found to have willfully infringed patents or copyrights. These claims could also result in our having to stop making, selling, offering for sale, or using technology found to be in violation of a third party's rights. We might be required to seek a license for the third-

party intellectual property rights, which may not be available on reasonable terms or at all. Even if a license is available to us, we may be required to pay significant upfront fees, milestones or royalties, which would increase our operating expenses. Moreover, to the extent we only have a license to any intellectual property used in our solutions, there may be no guarantee of continued access to such intellectual property, including on reasonable terms. As a result, we may be required to develop alternative non-infringing technology, which could require significant effort and expense. If a third party is able to obtain an injunction preventing us from accessing such third-party intellectual property rights, or if we cannot license or develop technology for any infringing aspect of our business, we would be forced to limit or stop sales of our software or cease business activities covered by such intellectual property, and may be unable to compete effectively. Any of these results would adversely affect our business, results of operations, financial condition and cash flows.

Portions of our solutions utilize open source software, and any failure to comply with the terms of one or more of these open source licenses could negatively affect our business.

Our software contains software made available by third parties under so-called “open source” licenses. From time to time, there have been claims against companies that distribute or use open source software in their products and services, asserting that such open source software infringes the claimants’ intellectual property rights. We could be subject to suits by parties claiming that what we believe to be licensed open source software infringes their intellectual property rights. Use and distribution of open source software may entail greater risks than use of third-party commercial software, as open source licensors generally do not provide warranties or other contractual protections regarding infringement claims or the quality of the code. In addition, certain open source licenses require that source code for software programs that are subject to the license be made available to the public and that any modifications or derivative works to such open source software continue to be licensed under the same terms. Further, certain open source licenses also include a provision that if we enforce any patents against the software programs that are subject to the license, we would lose the license to such software. If we were to fail to comply with the terms of such open source software licenses, such failures could result in costly litigation, lead to negative public relations or require that we quickly find replacement software which may be difficult to accomplish in a timely manner.

Although we monitor our use of open source software in an effort both to comply with the terms of the applicable open source licenses and to avoid subjecting our software to conditions we do not intend, the terms of many open source licenses have not been interpreted by U.S. courts, and there is a risk that these licenses could be construed in a way that could impose unanticipated conditions or restrictions on our ability to commercialize our product or operate our business. By the terms of certain open source licenses, we could be required to release the source code of our software and to make our proprietary software available under open source licenses, if we combine or distribute our software with open source software in a certain manner. In the event that portions of our software are determined to be subject to an open source license, we could be required to publicly release the affected portions of our source code, re-engineer all, or a portion of, that software or otherwise be limited in the licensing of our software, each of which could reduce or eliminate the value of our product. Many of the risks associated with usage of open source software cannot be eliminated, and could negatively affect our business, results of operations and financial condition.

Risks Related to An Investment in Our Common Stock

Our stock price may be volatile, and the value of our common stock may decline.

The market price of our common stock may fluctuate substantially and depends on a number of factors, including those described in this “Risk Factors” section, many of which are beyond our control

and may not be related to our operating performance. Factors that could cause fluctuations in the market price of our common stock include the following:

- actual or anticipated changes or fluctuations in our operating results;
- the financial projections we may provide to the public, any changes in these projections or our failure to meet these projections;
- announcements by us or our competitors of new products or new or terminated significant contracts, commercial relationships or capital commitments;
- industry or financial analyst or investor reaction to our press releases, other public announcements and filings with the SEC;
- rumors and market speculation involving us or other companies in our industry;
- price and volume fluctuations in the overall stock market from time to time;
- changes in operating performance and stock market valuations of other technology companies generally, or those in our industry in particular;
- failure to comply with the terms of the Credit Agreement;
- sales of shares of our common stock by us or our stockholders;
- failure of industry or financial analysts to maintain coverage of us, changes in financial estimates by any analysts who follow our company, or our failure to meet these estimates or the expectations of investors;
- actual or anticipated developments in our business or our competitors' businesses or the competitive landscape generally;
- litigation involving us, our industry or both, or investigations by regulators into our operations or those of our competitors;
- developments or disputes concerning our intellectual property rights or our solutions, or third-party proprietary rights;
- announced or completed acquisitions of businesses or technologies by us or our competitors;
- new or proposed laws or regulations or new interpretations of existing laws or regulations applicable to our business, including proposed changes to the U.S. corporate income tax rate and capital gains tax rates;
- any major changes in our management or our Board of Directors;
- general economic conditions and slow or negative growth of our markets; and
- other events or factors, including those resulting from pandemics such as COVID-19, war, incidents of terrorism or responses to these events.

Recently, the stock markets have experienced extreme price and volume fluctuations that have affected and continue to affect the market prices of equity securities of many companies, including in connection with the COVID-19 pandemic, decades-high inflation and concerns about an economic recession in the United States or other major markets, the ongoing military conflict between Ukraine and Russia and macroeconomic conditions. These fluctuations have often been unrelated or disproportionate to the operating performance of those companies. Broad market and industry fluctuations, as well as general economic, political, regulatory and market conditions, may negatively impact the market price of our common stock. In the past, companies that have experienced volatility in the market price of their securities have been subject to securities class action litigation. We may be the target of this type of litigation in the future, which could result in substantial costs and divert our management's attention.

If securities or industry analysts do not publish research or reports about our business, or publish negative reports about our business, our stock price and trading volume could decline.

The trading market for our common stock will depend, in part, on the research and reports that securities or industry analysts publish about us or our business. We do not control these analysts or the content and opinions included in their reports. If our financial performance fails to meet analyst estimates or one or more of the analysts who cover us downgrade our shares or change their opinion of our shares, our share price would likely decline. In addition, the stock prices of many companies in the technology industry have declined significantly after those companies have failed to meet, or significantly exceed, the financial guidance publicly announced by the companies or the expectations of analysts. If our financial results fail to meet, or exceed, our announced guidance or the expectations of analysts or public investors, analysts could downgrade our common stock or publish unfavorable research about us. If one or more of these analysts cease coverage of our company or fail to regularly publish reports on us, we could lose visibility in the financial markets, which could cause our share price or trading volume to decline.

Future sales of substantial amounts of our common stock in the public markets by us or our stockholders, or the perception such sales might occur, could reduce the price that our common stock might otherwise attain.

Sales of a substantial number of shares of our common stock in the public market by us or our stockholders, or the perception that these sales might occur, could depress the market price of our common stock, impair our ability to raise capital through the sale of additional equity securities and make it more difficult for you to sell your common stock at a time and price that you deem appropriate. Further, the number of new shares of our common stock issued by us in connection with raising additional capital in connection with a financing, acquisition, investment or otherwise could result in substantial dilution to our existing stockholders.

In addition, we have filed registration statements on Form S-8 under the Securities Act registering the issuance of shares of common stock subject to options and other equity awards issued or reserved for future issuance under our equity incentive plans. Shares registered under these registration statements, and under additional registration statements on Form S-8 that we may file to register additional shares of common stock pursuant to provisions of our equity incentive plans that provide for an automatic increase in the number of shares reserved and available for issuance each year, are available for sale in the public market subject to vesting arrangements and exercise of options and the restrictions of Rule 144 under the Securities Act in the case of our affiliates.

We do not intend to pay dividends for the foreseeable future and, as a result, your ability to achieve a return on your investment will depend on appreciation in the price of our common stock.

We have never declared or paid any cash dividends on our common stock and do not intend to pay any cash dividends in the foreseeable future. We anticipate that we will retain all of our future earnings for use in the development of our business and for general corporate purposes. Any determination to pay dividends in the future will be at the discretion of our Board of Directors. Accordingly, investors must rely on sales of their common stock after price appreciation, which may never occur, as the only way to realize any future gains on their investments. In addition, our Credit Agreement contains restrictive covenants that prohibit us, subject to certain exceptions, from paying dividends on our common stock.

Anti-takeover provisions in our charter documents and under Delaware law could make an acquisition of us more difficult, limit attempts by our stockholders to replace or remove members of our Board of Directors and our current management and could negatively impact the market price of our common stock.

Our amended and restated certificate of incorporation and amended and restated bylaws contain provisions that could delay or prevent a change in control of our company. These provisions could also make it difficult for stockholders to elect directors that are not nominated by the current members of our Board of Directors or take other corporate actions, including effecting changes in our management. These provisions include:

- a classified Board of Directors with three-year staggered terms, which could delay the ability of stockholders to change the membership of a majority of our Board of Directors;
- the ability of our Board of Directors to issue shares of preferred stock and to determine the price and other terms of those shares, including preferences and voting rights, without stockholder approval, which could be used to significantly dilute the ownership of a hostile acquirer;
- the exclusive right of our Board of Directors to elect a director to fill a vacancy created by the expansion of our Board of Directors or the resignation, death or removal of a director, which prevents stockholders from being able to fill vacancies on our Board of Directors;
- a prohibition on stockholder action by written consent, which forces stockholder action to be taken at an annual or special meeting of our stockholders;
- the requirement that a special meeting of stockholders may be called only by the chairperson of our Board of Directors, Chief Executive Officer or president (in the absence of a chief executive officer) or a majority vote of our Board of Directors, which could delay the ability of our stockholders to force consideration of a proposal or to take action, including the removal of directors;
- the requirement for the affirmative vote of holders of at least 66 2/3% of the voting power of all of the then outstanding shares of the voting stock, voting together as a single class, to amend the provisions of our amended and restated certificate of incorporation relating to the issuance of preferred stock and management of our business or our amended and restated bylaws, which may inhibit the ability of an acquirer to affect such amendments to facilitate an unsolicited takeover attempt;
- the ability of our Board of Directors, by majority vote, to amend our amended and restated bylaws, which may allow our Board of Directors to take additional actions to prevent an unsolicited takeover and inhibit the ability of an acquirer to amend our amended and restated bylaws to facilitate an unsolicited takeover attempt; and
- advance notice procedures with which stockholders must comply to nominate candidates to our Board of Directors or to propose matters to be acted upon at a stockholders' meeting, which may discourage or deter a potential acquirer from conducting a solicitation of proxies to elect the acquirer's own slate of directors or otherwise attempting to obtain control of us.

These provisions may prohibit large stockholders, in particular those owning 15% or more of our outstanding voting stock, from merging or combining with us for a certain period of time.

Our amended and restated certificate of incorporation provides that the Court of Chancery of the State of Delaware or the U.S. federal district courts will be the exclusive forums for substantially all disputes between us and our stockholders, which could limit our

stockholders' ability to obtain a favorable judicial forum for disputes with us or our directors, officers or other employees.

Our amended and restated certificate of incorporation provides that the Court of Chancery of the State of Delaware is the sole and exclusive forum for the following types of actions or proceedings under Delaware statutory or common law:

- any derivative action or proceeding brought on our behalf;
- any action asserting a breach of fiduciary duty owed by any of our directors, officers or other employees to us or our stockholders;
- any action asserting a claim against us arising pursuant to any provisions of the Delaware General Corporation Law, our amended and restated certificate of incorporation or our amended and restated bylaws; or
- any action asserting a claim against us that is governed by the internal affairs doctrine.

This provision would not apply to suits brought to enforce a duty or liability created by the Exchange Act. Furthermore, Section 22 of the Securities Act creates concurrent jurisdiction for federal and state courts over all such Securities Act actions. Accordingly, both state and federal courts have jurisdiction to entertain such claims. To prevent having to litigate claims in multiple jurisdictions and the threat of inconsistent or contrary rulings by different courts, among other considerations, our amended and restated certificate of incorporation further provides that the federal district courts of the United States of America will be the exclusive forum for resolving any complaint asserting a cause of action arising under the Securities Act. While the Delaware courts have determined that such choice of forum provisions are facially valid, a stockholder may nevertheless seek to bring a claim in a venue other than those designated in the exclusive forum provisions. In such instance, we would expect to vigorously assert the validity and enforceability of the exclusive forum provisions of our amended and restated certificate of incorporation. This may require significant additional costs associated with resolving such action in other jurisdictions and there can be no assurance that the provisions will be enforced by a court in those other jurisdictions.

These exclusive forum provisions may limit a stockholder's ability to bring a claim in a judicial forum that it finds favorable for disputes with us or our directors, officers or other employees, which may discourage such lawsuits against us and our directors, officers or other employees. If a court were to find either exclusive forum provision in our amended and restated certificate of incorporation to be inapplicable or unenforceable in an action, we may incur significant additional costs associated with resolving the dispute in other jurisdictions, all of which could seriously harm our business.

General Risks

We are subject to anti-corruption laws, anti-bribery and similar laws with respect to our domestic and international operations, and non-compliance with such laws can subject us to criminal and/or civil liability and materially harm our business and reputation.

We are subject to the anti-bribery laws of the jurisdictions in which we operate. These include the FCPA, the U.S. domestic bribery statute contained in 18 U.S.C. § 201, the U.S. Travel Act, the U.K. Bribery Act 2010, and other anti-corruption laws in countries in which we conduct activities. Anti-corruption laws are interpreted broadly and prohibit our company from authorizing, offering, or providing, directly or indirectly, improper payments or benefits in order to gain or maintain business, including payments to recipients in the public or private sector. We use third-party law firms, accountants, and other representatives for regulatory compliance, sales, and other purposes in several countries. We sell directly and indirectly, via third-party representatives, to both private and government sectors in the United States and in other jurisdictions. Our employees and third-party

representatives interact with these customers, which may include government officials. We can be held liable for the corrupt or other illegal activities of these third-party representatives, our employees, contractors, and other agents, even if we do not explicitly authorize such activities. Noncompliance with these laws could subject us to whistleblower complaints, investigations, sanctions, settlements, prosecution, other enforcement actions, disgorgement of profits, significant fines, damages, other civil and criminal penalties or injunctions, suspension and/or debarment from contracting with certain persons, the loss of export privileges, reputational harm, adverse media coverage, and other collateral consequences. If any subpoenas or investigations are launched, or governmental or other sanctions are imposed, or if we do not prevail in any possible civil or criminal litigation, our reputation, business, results of operations and financial condition could be materially harmed. In addition, responding to any action will likely result in a materially significant diversion of management's attention and resources and significant defense costs and other professional fees. Enforcement actions and sanctions could further harm our business, results of operations, and financial condition. Moreover, as an issuer of securities, we also are subject to the accounting and internal controls provisions of the FCPA. These provisions require us to maintain accurate books and records and a system of internal controls sufficient to detect and prevent corrupt conduct. Failure to abide by these provisions may have an adverse effect on our business, operations or financial condition.

We are subject to governmental export and import controls and economic and trade sanctions that could impair our ability to conduct business in international markets and subject us to liability if we are not in compliance with applicable laws and regulations.

The United States and other countries maintain and administer export and import laws and regulations. Our products are subject to U.S. export control and import laws and regulations, including the U.S. Export Administration Regulations, U.S. Customs regulations, and various economic and trade sanctions administered by the U.S. Treasury Department's Office of Foreign Assets Control. We are required to comply with these laws and regulations. If we fail to comply with such laws and regulations, we and certain of our employees could be subject to substantial civil or criminal penalties, including the possible loss of export or import privileges; fines, which may be imposed on us and responsible employees or managers; and, in extreme cases, the incarceration of responsible employees or managers. Obtaining the necessary authorizations, including any required license, for a particular sale may be time-consuming, is not guaranteed and may result in the delay or loss of sales opportunities. In addition, changes in our solutions, or changes in applicable export or import laws and regulations may create delays in the introduction and sale of our products in international markets or, in some cases, prevent the export or import of our solutions to certain countries, governments or persons altogether. Any change in export or import laws and regulations or economic or trade sanctions, shift in the enforcement or scope of existing laws and regulations, or change in the countries, governments, persons or technologies targeted by such laws and regulations could also result in decreased use of our products, or in our decreased ability to export or sell our products to existing or potential customers. Any decreased use of our products or limitation on our ability to export or sell our products would likely adversely affect our business, financial condition, and results of operations.

Furthermore, we incorporate encryption technology into certain of our solutions. Various countries regulate the import of certain encryption technology, including import permitting and licensing requirements, and have enacted laws that could limit our ability to distribute our solutions or could limit our customers' ability to implement our solutions in those countries. Encrypted products and the underlying technology may also be subject to export control restrictions. Governmental regulation of encryption technology and regulation of imports or exports of encryption solutions, or our failure to obtain required import or export approval for our solutions, could harm our international sales and adversely affect our revenue. Compliance with applicable laws and regulations regarding the export and import of our solutions, including with respect to new solutions or changes in existing solutions,

may create delays in the introduction of our solutions in international markets, prevent our customers with international operations from deploying our solutions globally or, in some cases, could prevent the export or import of our solutions to certain countries, governments, entities or persons altogether.

Moreover, U.S. export control laws and economic sanctions programs prohibit the shipment of certain products and services to countries, governments and persons that are subject to U.S. economic embargoes and trade sanctions. Any violations of such economic embargoes and trade sanction regulations could have negative consequences, including government investigations, penalties and reputational harm.

Changes to and uncertainties in the interpretation and application of tax laws and regulations could materially affect our tax obligations and effective tax rate.

The tax regimes to which we are subject or under which we operate, including income and non-income taxes, are unsettled and may be subject to significant change. The issuance of additional regulatory or accounting guidance related to existing or future tax laws, or changes to tax laws or regulations proposed or implemented by the current or a future U.S. presidential administration, Congress, or taxing authorities in other jurisdictions, including jurisdictions outside of the United States, could materially affect our tax obligations and effective tax rate. For example, beginning in 2022, U.S. taxpayers are required to capitalize and amortize certain research and development expenditures over five years if incurred in the United States and fifteen years if incurred in non-U.S. jurisdictions. Although there have been legislative proposals to repeal or defer the capitalization requirement, there can be no assurance that the provision will be repealed or otherwise modified. In addition, the recently enacted Inflation Reduction Act includes, among other provisions, a 15% minimum tax on the book income of certain large corporations, as well as a 1% excise tax imposed on certain stock repurchases by public corporations. It is possible that these changes could increase our future tax liability. Furthermore, the Organization for Economic Co-operation and Development, or OECD, is leading work on proposals, commonly referred to as “BEPS 2.0”, which, if implemented, would make important changes to the international tax system. These proposals are based on two “pillars”, involving the allocation of taxing rights in respect of certain multinational enterprises above a fixed profit margin to the jurisdictions in which they carry on business (referred to as the Pillar One proposal) and imposing a minimum effective tax rate on certain multinational enterprises (referred to as the Pillar Two proposal). The European Union has adopted a Council Directive requiring aspects of the Pillar Two proposal to be transposed into the national laws of European Union Member states by December 31, 2023, and a number of other countries are also planning to enact such rules. Based on the minimum revenue thresholds contained in the Pillar One and Pillar Two proposals, we do not expect currently to be within the scope of the rules, but could fall within their scope in the future, which could increase our tax obligations in the countries where we do business.

In addition, forecasts of our income tax position and effective tax rate for financial accounting purposes are complex and subject to significant judgment and uncertainty because our income tax position for each year combines the effects of a mix of profits earned and losses incurred by us in various tax jurisdictions with a broad range of income tax rates, as well as changes in the valuation of deferred tax assets and liabilities, the impact of various accounting rules and tax laws (and changes to these rules and tax laws), the results of examinations by various tax authorities, and the impact of any acquisition, business combination or other reorganization or financing transaction. To forecast our global tax rate, we estimate our pre-tax profits and losses and tax expense by jurisdiction. If the mix of profits and losses, our ability to use tax assets and attributes, our assessment of the need for valuation allowances, effective tax rates by jurisdiction or other factors are different than those estimated, our actual tax rate could be materially different than forecasted, which could have a material impact on our business, financial condition and results of operations.

Our operating results may be negatively affected if we are required to pay additional taxes, including sales and use tax, value added tax, or other transaction taxes, and we could be subject to liability with respect to all or a portion of past or future sales.

We currently collect and remit sales and use, value added and other transaction taxes in certain of the jurisdictions where we do business based on our assessment of the amount of taxes owed by us in such jurisdictions. However, in some jurisdictions in which we do business, we do not believe that we owe such taxes, and therefore we currently do not collect and remit such taxes in those jurisdictions or record contingent tax liabilities in respect of those jurisdictions. A successful assertion that we are required to pay additional taxes in connection with sales of our solutions, or the imposition of new laws or regulations or the interpretation of existing laws and regulations requiring the payment of additional taxes, would result in increased costs and administrative burdens for us. If we are subject to additional taxes and determine to offset such increased costs by collecting and remitting such taxes from our customers, or otherwise passing those costs through to our customers, companies may be discouraged from using our solutions. Any increased tax burden may decrease our ability or willingness to compete in relatively burdensome tax jurisdictions, result in substantial tax liabilities related to past or future sales or otherwise harm our business and operating results.

Our ability to use net operating losses to offset future taxable income may be subject to certain limitations.

At December 31, 2022 we had U.S. federal, state and foreign net operating loss carryforwards, or NOLs, of \$407.4 million, \$233.5 million, and \$315.5 million, respectively, available to offset future taxable income, some of which will begin to expire in 2030. A lack of future taxable income would adversely affect our ability to utilize certain of our NOLs before they expire. Under current law, Federal NOLs incurred in taxable years beginning after December 31, 2017 can be carried forward indefinitely, but the deductibility of such federal NOLs in taxable years beginning after December 31, 2020, is limited to 80% of taxable income.

In addition, under the provisions of the Internal Revenue Code of 1986, as amended, or the Internal Revenue Code, substantial changes in our ownership may limit the amount of pre-change NOLs that can be utilized annually in the future to offset taxable income. Section 382 of the Internal Revenue Code imposes limitations on a company's ability to use its NOLs to offset its taxable income if one or more stockholders or groups of stockholders that each own at least 5% of the company's stock increase their aggregate ownership (by value) by more than 50 percentage points over their lowest ownership percentages within a rolling three-year period. Similar rules may apply under state and foreign tax laws. Based upon an analysis as of December 31, 2022, we determined that we do not expect these limitations to materially impair our ability to use our NOLs prior to expiration. However, if changes in our ownership occurred after such date, or occur in the future, our ability to use our NOLs may be further limited. Subsequent statutory or regulatory changes in respect of the utilization of NOLs for federal, state or foreign purposes, such as suspensions on the use of NOLs or limitations on the deductibility of NOLs carried forward, or other unforeseen reasons, may result in our existing NOLs expiring or otherwise being unavailable to offset future income tax liabilities. For these reasons, we may not be able to utilize a material portion of our NOLs, even if we achieve profitability.

We are obligated to maintain proper and effective internal controls over financial reporting, and any failure to maintain the adequacy of these internal controls may adversely affect investor confidence in our company and, as a result, the value of our common stock.

We are required, pursuant to Section 404 of the Sarbanes-Oxley Act, or Section 404, to furnish a report by management on, among other things, the effectiveness of our internal control over financial reporting on an annual basis. This assessment includes disclosure of any material weaknesses

identified by our management in our internal control over financial reporting. We are also required to disclose significant changes made in our internal control procedures on a quarterly basis.

During the evaluation and testing process of our internal controls, if we identify one or more material weaknesses in our internal control over financial reporting, we will be unable to assert that our internal control over financial reporting is effective. We cannot assure you that there will not be material weaknesses or significant deficiencies in our internal control over financial reporting in the future. Any failure to maintain internal control over financial reporting could severely inhibit our ability to accurately report our financial condition or results of operations. If we are unable to conclude that our internal control over financial reporting is effective, or if our independent registered public accounting firm determines we have a material weakness or significant deficiency in our internal control over financial reporting, we could lose investor confidence in the accuracy and completeness of our financial reports, the market price of our common stock could decline, and we could be subject to sanctions or investigations by the Nasdaq, the SEC or other regulatory authorities. Failure to remedy any material weakness in our internal control over financial reporting, or to maintain other effective control systems required of public companies, could also restrict our future access to the capital markets.

Item 1B. Unresolved Staff Comments

None.

Item 2. Properties

Our corporate headquarters in Columbia, Maryland consist of approximately 160,000 square feet under a lease that expires in February 2032. We maintain additional offices in multiple locations internationally in Europe and the Middle East, Asia Pacific and South America. We believe that our current facilities are adequate to meet our ongoing needs and that suitable additional alternative spaces will be available in the future on commercially reasonable terms.

Item 3. Legal Proceedings

From time to time, we may be subject to legal proceedings and claims in the ordinary course of business. We are not presently a party to any legal proceedings that, if determined adversely to us, would individually or taken together have a material adverse effect on our business, results of operations, financial condition or cash flows. We have received, and may in the future continue to receive, claims from third parties asserting, among other things, infringement of their intellectual property rights. Future litigation may be necessary to defend ourselves, our partners and our customers by determining the scope, enforceability and validity of third-party proprietary rights, or to establish our proprietary rights. The results of any current or future litigation cannot be predicted with certainty, and regardless of the outcome, litigation can have an adverse impact on us because of defense and settlement costs, diversion of management resources and other factors.

Item 4. Mine Safety Disclosures

Not applicable.

PART II

Item 5. Market for Registrant's Common Equity, Related Stockholder Matters and Issuer Purchases of Equity Securities

Market Information for Common Stock

Our common stock trades on the Nasdaq Global Select Market under the ticker symbol "TENB."

Holders of Record

At December 31, 2022, we had 18 holders of record. Because many of our shares of common stock are held by brokers and other institutions on behalf of stockholders, we are unable to estimate the total number of stockholders represented by these record holders.

Dividend Policy

We have never declared or paid any dividends on our common stock. In addition, our credit agreement with JPMorgan Chase Bank, N.A., as administrative agent and collateral agent, contains restrictive covenants that limit our ability to pay dividends on our common stock. We currently intend to retain all available funds and any future earnings for the operation and expansion of our business and do not anticipate declaring or paying cash dividends in the foreseeable future. The payment of any future dividends will be at the discretion of our Board of Directors and will depend on our results of operations, capital requirements, financial condition, prospects, contractual arrangements, any limitations on payment of dividends present in our current and future debt agreements, and other factors that our Board of Directors may deem relevant.

Unregistered Sales of Equity Securities

None.

Issuer Purchases of Equity Securities

None.

Item 6. Selected Financial Data

The following selected consolidated statements of operations data for the years ended December 31, 2022, 2021 and 2020 and the selected consolidated balance sheet data as of December 31, 2022 and 2021 are derived from our audited consolidated financial statements included in this Annual Report on Form 10-K. The consolidated statements of operations data for the years ended December 31, 2019 and 2018 and consolidated balance sheet data as of December 31, 2020, 2019 and 2018 are from our audited financial statements not included in this Annual Report on Form 10-K.

You should read the following selected financial data with the historical consolidated financial statements and related notes to those statements, as well as “Management’s Discussion and Analysis of Financial Condition and Results of Operations,” included in this Annual Report on Form 10-K.

Consolidated Statements of Operations Data:

(in thousands, except per share data)	Year Ended December 31,				
	2022	2021	2020	2019	2018
Revenue	\$ 683,191	\$ 541,130	\$ 440,221	\$ 354,586	\$ 267,360
Cost of revenue ⁽¹⁾	154,789	106,396	77,554	60,818	43,167
Gross profit	528,402	434,734	362,667	293,768	224,193
Operating expenses:					
Sales and marketing ⁽¹⁾	349,430	270,158	224,277	228,035	173,344
Research and development ⁽¹⁾	143,560	116,432	101,687	87,064	76,698
General and administrative ⁽¹⁾	103,227	89,912	73,136	69,468	46,732
Total operating expenses	596,217	476,502	399,100	384,567	296,774
Loss from operations	(67,815)	(41,768)	(36,433)	(90,799)	(72,581)
Interest income	6,284	606	1,740	6,037	2,575
Interest expense	(19,001)	(7,502)	(496)	(207)	(220)
Other expense, net	(4,757)	(1,965)	(1,885)	(680)	(931)
Loss before income taxes	(85,289)	(50,629)	(37,074)	(85,649)	(71,157)
Provision (benefit) for income taxes	6,933	(3,952)	5,657	13,364	2,364
Net loss	(92,222)	(46,677)	(42,731)	(99,013)	(73,521)
Accretion of Series A and B redeemable convertible preferred stock	—	—	—	—	(434)
Net loss attributable to common stockholders	<u>\$ (92,222)</u>	<u>\$ (46,677)</u>	<u>\$ (42,731)</u>	<u>\$ (99,013)</u>	<u>\$ (73,955)</u>
Net loss per share attributable to common stockholders, basic and diluted ⁽²⁾	\$ (0.83)	\$ (0.44)	\$ (0.42)	\$ (1.03)	\$ (1.38)
Weighted-average shares used to compute net loss per share attributable to common stockholders, basic and diluted	111,321	106,387	101,009	96,014	53,669

(1) Includes stock-based compensation expense as follows:

(in thousands)	Year Ended December 31,				
	2022	2021	2020	2019	2018
Cost of revenue	\$ 8,369	\$ 4,446	\$ 3,158	\$ 2,817	\$ 1,707
Sales and marketing	49,383	29,410	19,842	16,032	6,911
Research and development	31,499	20,593	14,794	8,911	5,804
General and administrative	31,382	24,956	21,779	15,683	8,453
Total stock-based compensation expense	<u>\$ 120,633</u>	<u>\$ 79,405</u>	<u>\$ 59,573</u>	<u>\$ 43,443</u>	<u>\$ 22,875</u>

(2) See Note 12 to our consolidated financial statements in this Annual Report on Form 10-K for details on the calculation of basic and diluted net loss per share attributable to common stockholders.

Consolidated Balance Sheet Data:

(in thousands)	December 31,				
	2022	2021	2020	2019	2018
Cash and cash equivalents	\$ 300,866	\$ 278,000	\$ 178,223	\$ 74,363	\$ 165,116
Short-term investments	266,569	234,292	113,623	137,904	118,119
Working capital ⁽¹⁾	273,007	265,556	108,891	35,319	142,484
Total assets	1,439,530	1,248,819	690,589	558,612	460,612
Deferred revenue, current and non-current	664,602	530,885	434,510	363,127	289,903
Term loan, net of issuance costs (net of current portion)	361,970	364,728	—	—	—
Accumulated deficit	(746,751)	(654,529)	(607,852)	(565,121)	(466,108)
Total stockholders' equity	270,866	215,313	150,665	98,905	121,763

(1) We define working capital as total current assets less total current liabilities. See our consolidated financial statements in this Annual Report on Form 10-K for further details regarding our current assets and current liabilities.

Item 7. Management's Discussion and Analysis of Financial Condition and Results of Operations

The following discussion and analysis of our financial condition and results of operations should be read in conjunction with our consolidated financial statements and related notes included elsewhere in this Annual Report on Form 10-K, or this Form 10-K. This Form 10-K contains forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended, or the Securities Act and Section 21E of the Securities Exchange Act of 1934, as amended, or the Exchange Act. These statements are often identified by the use of words such as "anticipate," "believe," "continue," "could," "estimate," "expect," "intend," "may," "plan," "project," "will," "would" or the negative or plural of these words or similar expressions or variations. Such forward-looking statements are subject to a number of risks, uncertainties, assumptions and other factors that could cause actual results and the timing of certain events to differ materially from future results expressed or implied by the forward-looking statements. Factors that could cause or contribute to such differences include, but are not limited to, those identified herein, and those discussed in the section titled "Risk Factors," set forth in Part I, Item 1A of this Form 10-K and in our other filings with the SEC. You should not rely upon forward-looking statements as predictions of future events. Furthermore, such forward-looking statements speak only as of the date of this report. Except as required by law, we undertake no obligation to update any forward-looking statements to reflect events or circumstances after the date of such statements.

Overview

We are a leading provider of exposure management solutions. Exposure management is an effective discipline for managing, measuring and comparing cybersecurity risk in today's complex IT environments.

In October 2022, we launched our Tenable One Exposure Management Platform (Tenable One), which unifies a variety of data sources into a single exposure view to help organizations gain visibility, prioritize efforts and communicate cyber risks. Building on our existing products, Tenable One is designed to take advantage of the integrations that already exist with our partners and form the foundation of an exposure management program, alongside the other tools, such as endpoint detection and response (EDR) and firewalls, and required business processes.

With Tenable One, organizations can translate technical data about assets, vulnerabilities and threats into clear business insights and actionable intelligence for security executives and practitioners. The platform combines the broadest vulnerability coverage in the industry, spanning IT assets, cloud resources, containers, web apps and identity systems. Tenable One builds on the speed and breadth of vulnerability coverage from Tenable Research and adds aggregated exposure view analytics, guidance on mitigating attack pathways and a centralized asset inventory.

Tenable One incorporates Tenable.io, Tenable.io Web Application Scanning, Tenable Lumin Exposure View, Tenable.cs, Tenable.ad and Tenable.asm. All of these products are also offered as standalone solutions, alongside Tenable.sc, Tenable.ot and Nessus.

Our platform offerings are primarily sold on a subscription basis with a one-year term. Our subscription terms are generally not longer than three years. These offerings are typically prepaid in advance. To a lesser extent, we recognize revenue ratably from perpetual licenses and from the related ongoing maintenance.

We sell and market our products and services through our field sales force that works closely with our channel partners, which includes a network of distributors and resellers, in developing sales opportunities. We use a two-tiered channel model whereby we sell our enterprise platform offerings to

our distributors, which in turn sell to our resellers, which then sell to end users, which we call customers.

Revenue in 2022, 2021 and 2020 was \$683.2 million, \$541.1 million and \$440.2 million, representing year-over-year growth of 26% and 23%, respectively. Our recurring revenue, which includes revenue from subscription arrangements for software (both revenue recognized ratably over the subscription term and upon delivery) and cloud-based solutions and maintenance associated with perpetual licenses, represented 95% of revenue in 2022 and 2021 and 94% of revenue in 2020. Our net loss in 2022, 2021 and 2020 was \$92.2 million, \$46.7 million and \$42.7 million, respectively, as we continue to invest in our business and market opportunity. Our cash flows from operating activities were \$131.2 million, \$96.8 million and \$64.2 million in 2022, 2021 and 2020, respectively.

Financial Highlights

Below are our key financial results:

(in thousands, except per share data)	Year Ended December 31,		
	2022	2021	2020
Revenue	\$ 683,191	\$ 541,130	\$ 440,221
Loss from operations	(67,815)	(41,768)	(36,433)
Net loss	(92,222)	(46,677)	(42,731)
Net loss per share, basic and diluted	(0.83)	(0.44)	(0.42)
Net cash provided by operating activities	131,151	96,765	64,232
Purchases of property and equipment	(9,359)	(3,887)	(18,882)
Capitalized software development costs	(9,789)	(2,674)	(1,395)

Key Operating and Financial Metrics

To supplement our consolidated financial statements, which are prepared and presented in accordance with GAAP, we use and monitor the following operating and financial metrics, which include non-GAAP financial measures, to understand and evaluate our core operating and financial performance.

Calculated Current Billings

We use the non-GAAP measure of calculated current billings, which we believe is a key metric to measure our periodic performance. Given that most of our customers pay in advance, we typically recognize a majority of the related revenue ratably over time. We use calculated current billings to measure and monitor our ability to provide our business with the working capital generated by upfront payments from our customers.

Calculated current billings consists of revenue recognized in a period plus the change in current deferred revenue in the corresponding period. We believe that calculated current billings, which excludes deferred revenue for periods beyond twelve months in a customer's contractual term, more closely correlates with annual contract value. Variability in total billings, depending on the timing of large multi-year contracts and the preference for annual billing versus multi-year upfront billing, may distort growth in one period over another.

Calculated current billings may vary from period-to-period for a number of reasons, and therefore has a number of limitations as a quarter-to-quarter or year-over-year comparative measure.

Calculated current billings in any one period may be impacted by the timing and amount of new sales transactions, the timing and amount of renewal transactions, including early renewals, as well as the timing and amount of multi-year prepaid contracts, all of which could favorably or unfavorably impact quarter-to-quarter and year-over-year comparisons. For example, an increasing number of large sales transactions, for which the timing has and will continue to vary, may occur in quarters subsequent to or in advance of those that we anticipate. Additionally, our calculation of calculated current billings may be different from other companies that report similar financial measures. Because of these and other limitations, you should consider calculated current billings along with revenue and our other GAAP financial results.

The following table presents a reconciliation of revenue, the most directly comparable financial measure calculated in accordance with GAAP, to calculated current billings:

(in thousands)	Year Ended December 31,		
	2022	2021	2020
Revenue	\$ 683,191	\$ 541,130	\$ 440,221
Deferred revenue (current), end of period	502,115	407,498	328,819
Deferred revenue (current), beginning of period ⁽¹⁾	(408,443)	(331,462)	(274,348)
Calculated current billings	<u>\$ 776,863</u>	<u>\$ 617,166</u>	<u>\$ 494,692</u>

(1) Deferred revenue (current), beginning of period for 2022 and 2021 includes \$0.9 million and \$2.6 million, respectively, related to acquired deferred revenue.

Free Cash Flow

We use the non-GAAP measure of free cash flow, which we define as GAAP net cash flows from operating activities reduced by purchases of property and equipment and capitalized software development costs. We believe free cash flow is an important liquidity measure of the cash (if any) that is available, after purchases of property and equipment and capitalized software development costs, for investment in our business and to make acquisitions. We believe that free cash flow is useful as a liquidity measure because it measures our ability to generate or use cash.

Our use of free cash flow has limitations as an analytical tool and you should not consider it in isolation or as a substitute for an analysis of our results under GAAP. First, free cash flow is not a substitute for net cash flows from operating activities. Second, other companies may calculate free cash flow or similarly titled non-GAAP financial measures differently or may use other measures to evaluate their performance, all of which could reduce the usefulness of free cash flow as a tool for comparison. Additionally, the utility of free cash flow is further limited as it does not reflect our future contractual commitments and does not represent the total increase or decrease in our cash balance for a given period. Because of these and other limitations, you should consider free cash flow along with net cash provided by operating activities and our other GAAP financial measures.

The following table presents a reconciliation of net cash provided by operating activities, the most directly comparable financial measure calculated in accordance with GAAP, to free cash flow:

(in thousands)	Year Ended December 31,		
	2022	2021	2020
Net cash provided by operating activities	\$ 131,151	\$ 96,765	\$ 64,232
Purchases of property and equipment	(9,359)	(3,887)	(18,882)
Capitalized software development costs ⁽¹⁾	(9,789)	(2,674)	(1,395)
Free cash flow ⁽²⁾	\$ 112,003	\$ 90,204	\$ 43,955

(1) Capitalized software development costs were previously included in purchases of property and equipment.

(2) Free cash flow for the periods presented was impacted by:

(in thousands)	Year Ended December 31,		
	2022	2021	2020
Employee stock purchase plan activity	\$ 837	\$ (283)	\$ 893
Acquisition-related expenses	(2,655)	(6,464)	(738)
Costs related to intra-entity asset transfers	(838)	—	—
Tax payment on intra-entity asset transfers	(2,697)	(2,808)	—
Proceeds from lease incentives	—	—	14,199
Capital expenditures related to new headquarters	—	(928)	(17,241)

Free cash flow in 2022 was benefited by approximately \$10 million due to prepayments of software subscription costs, insurance and rent in 2021 and 2020. The 2021 prepayments reduced free cash flow by \$8 million and were offset by a benefit of approximately \$15 million from similar prepayments made in 2020. The 2020 prepayments reduced free cash flow by approximately \$17 million.

Customer Metrics

We believe that our customer base provides a significant opportunity to expand sales of our enterprise platform offerings. The following tables summarize key components of our customer base:

	Year Ended December 31,		
	2022	2021	2020
Number of new enterprise platform customers added in period ⁽¹⁾⁽²⁾	2,078	1,882	1,455

(1) We define an enterprise platform customer as a customer that has licensed Tenable One, Tenable.io, Tenable.cs, Tenable.ad, Tenable.ot or Tenable.sc for an annual amount of \$5,000 or greater. New enterprise platform customers represent new customer logos during the periods presented and do not include customer conversions from Nessus Expert to enterprise platforms.

(2) The number of new enterprise platform customers added in 2021 includes 95 legacy customers of companies we acquired.

	December 31,		
	2022	2021	2020
Number of customers with \$100,000 and greater in annual contract value at end of period	1,420	1,095	837

Dollar-Based Net Expansion Rate

Our dollar-based net expansion rate reflects both our customer retention and ability to drive additional sales to our existing customers. Our dollar-based net expansion rate has historically fluctuated and is expected to continue to fluctuate on a quarterly basis as a result of a number of factors, including existing customers' satisfaction with our solutions, existing customer retention, the pricing of our solutions, the availability of competing solutions and the pricing thereof, and the timing of customer renewals. In addition, our sales pipeline opportunities vary from quarter to quarter between new customers and expansion from existing customers, and we do not prioritize one over the other to maximize the dollar-based net expansion rate. We generally expect the dollar-based net expansion rate to range from 110% to 120%.

Our dollar-based net expansion rate is evaluated on a last twelve months, or LTM, basis, and is calculated as follows:

- **Denominator:** To calculate our dollar-based net expansion rate as of the end of a reporting period, we first determine the annual recurring revenue, or ARR, from all active subscriptions (both revenue recognized ratably over the subscription term and upon delivery) and maintenance from perpetual licenses as of the last day of the same reporting period in the prior year. This represents recurring payments that we expect to receive in the next 12-month period from the cohort of customers that existed on the last day of the same reporting period in the prior year.
- **Numerator:** We measure the ARR for that same cohort of customers representing all subscriptions and maintenance from perpetual licenses based on customer orders as of the end of the reporting period.

We calculate dollar-based net expansion rate by dividing the numerator by the denominator.

The following table presents our dollar-based net expansion rate:

(in thousands)	December 31,		
	2022	2021	2020
Dollar-based net expansion rate	117 %	117 %	110 %

We have also utilized an alternative dollar-based net expansion rate to assess our ability to expand sales with existing customers and evaluate the performance of our sales team. This alternative dollar-based net expansion rate is based on the methodology described above, but excludes the annual contract value of prior period multi-year sales from ARR in the numerator and the denominator of the calculation. The multi-year sales excluded from ARR has generally been approximately 13% of the total ARR. This methodology measures net expansion by customers with contracts up for renewal during the period. Applying this methodology would have increased the dollar-based net expansion rate by two to four percentage points at December 31, 2022, 2021 and 2020. As the difference between this alternative rate and the dollar-based net expansion rate disclosed above has not differed significantly over the last three years, we no longer include this alternative rate in our internal analysis of the business and will not disclose the impact of the alternative rate in future periods.

Non-GAAP Income from Operations and Non-GAAP Operating Margin

We use non-GAAP income from operations along with non-GAAP operating margin as key indicators of our financial performance. We define these non-GAAP financial measures as their respective GAAP measures, excluding the effects of stock-based compensation, acquisition-related expenses, costs related to the intra-entity asset transfers resulting from the internal restructuring of legal entities and amortization of acquired intangible assets. Acquisition-related expenses include transaction expenses and costs related to the intercompany transfer of acquired intellectual property.

We believe that these non-GAAP financial measures provide useful information about our core operating results over multiple periods. There are a number of limitations related to the use of the non-GAAP financial measures as compared to GAAP loss from operations and operating margin, including that non-GAAP income from operations and non-GAAP operating margin exclude stock-based compensation expense, which has been, and will continue to be, a significant recurring expense in our business and an important part of our compensation strategy.

The following table presents a reconciliation of loss from operations, the most directly comparable financial measure calculated in accordance with GAAP, to non-GAAP income from operations, and operating margin, the most directly comparable financial measure calculated in accordance with GAAP, to non-GAAP operating margin:

(dollars in thousands)	Year Ended December 31,		
	2022	2021	2020
Loss from operations	\$ (67,815)	\$ (41,768)	\$ (36,433)
Stock-based compensation	120,633	79,405	59,573
Acquisition-related expenses	2,642	6,901	339
Costs related to intra-entity asset transfers ⁽¹⁾	838	—	—
Amortization of acquired intangible assets	11,372	6,447	2,314
Non-GAAP income from operations	<u>\$ 67,670</u>	<u>\$ 50,985</u>	<u>\$ 25,793</u>
Operating margin	(10)%	(8)%	(8)%
Non-GAAP operating margin	10 %	9 %	6 %

(1) The costs related to the intra-entity asset transfers resulted from our internal restructuring of Cymptom.

Non-GAAP Net Income and Non-GAAP Earnings Per Share

We use non-GAAP net income, which excludes stock-based compensation, acquisition-related expenses and amortization of acquired intangible assets, as well as the related tax impacts, and the tax impact and related costs of intra-entity asset transfers resulting from the internal restructuring of legal entities as well as deferred income tax benefits recognized in connection with acquisitions, to calculate non-GAAP earnings per share. We believe that these non-GAAP measures provide important information because they facilitate comparisons of our core operating results over multiple periods.

The following table presents a reconciliation of net loss and net loss per share, the most comparable financial measures calculated in accordance with GAAP, to non-GAAP net income and non-GAAP earnings per share:

(in thousands, except for per share amounts)	Year Ended December 31,		
	2022	2021	2020
Net loss	\$ (92,222)	\$ (46,677)	\$ (42,731)
Stock-based compensation	120,633	79,405	59,573
Tax impact of stock-based compensation ⁽¹⁾	2,103	617	1,299
Acquisition-related expenses ⁽²⁾	2,642	6,901	339
Costs related to intra-entity asset transfers ⁽³⁾	838	—	—
Amortization of acquired intangible assets ⁽⁴⁾	11,372	6,447	2,314
Tax impact of acquisitions ⁽⁵⁾	(3,703)	(10,560)	—
Tax impact of intra-entity asset transfers ⁽⁶⁾	2,652	2,808	—
Non-GAAP net income	<u>\$ 44,315</u>	<u>\$ 38,941</u>	<u>\$ 20,794</u>
Net loss per share, diluted	\$ (0.83)	\$ (0.44)	\$ (0.42)
Stock-based compensation	1.08	0.75	0.59
Tax impact of stock-based compensation ⁽¹⁾	0.02	0.01	0.01
Acquisition-related expenses ⁽²⁾	0.02	0.06	—
Costs related to intra-entity asset transfers ⁽³⁾	0.01	—	—
Amortization of acquired intangible assets ⁽⁴⁾	0.10	0.06	0.02
Tax impact of acquisitions ⁽⁵⁾	(0.03)	(0.10)	—
Tax impact of intra-entity asset transfers ⁽⁶⁾	0.03	0.03	—
Adjustment to diluted earnings per share ⁽⁷⁾	(0.02)	(0.03)	(0.01)
Non-GAAP earnings per share, diluted	<u>\$ 0.38</u>	<u>\$ 0.34</u>	<u>\$ 0.19</u>
Weighted-average shares used to compute GAAP net loss per share, diluted	111,321	106,387	101,009
Weighted-average shares used to compute non-GAAP earnings per share, diluted	117,534	114,825	109,962

(1) The tax impact of stock-based compensation is based on the tax treatment for the applicable tax jurisdictions.

(2) The tax impact of acquisition-related expenses is not material.

(3) The costs related to the intra-entity asset transfers resulted from our internal restructuring of Cymptom.

(4) The tax impact of the amortization of acquired intangible assets is included in the tax impact of acquisitions.

(5) The tax impact of acquisitions in 2022 includes a deferred tax benefit of \$1.2 million related to the Alsid acquisition and a reversal of the \$2.5 million income tax benefit recognized for GAAP purposes related to the partial release of our valuation allowance associated with the Bit Discovery acquisition. The tax impact of acquisitions in 2021 includes a reversal of the \$7.9 million income tax benefit recognized for GAAP purposes related to the partial release of our valuation allowance and a \$2.6 million benefit related to Alsid.

(6) The tax impact of the intra-entity transfers are related to current tax expense based on the applicable Israeli tax rates resulting from our internal restructuring of Cymptom in 2022 and Indegy in 2021.

(7) An adjustment to reconcile GAAP net loss per share, which excludes potentially dilutive shares, to non-GAAP earnings per share, which includes potentially dilutive shares.

Components of Our Results of Operations

Revenue

We generate revenue from subscription arrangements for our software and cloud-based solutions, perpetual licenses, maintenance associated with perpetual licenses and professional services.

Our subscription arrangements generally have annual or multi-year contractual terms to use our software or cloud-based solutions, including ongoing software updates during the contractual period. For software subscriptions that are dependent on ongoing software updates and the ability to identify the latest cybersecurity vulnerabilities, revenue is recognized ratably over the subscription term given the critical utility provided by the ongoing updates that are released through the contract period. When the critical utility of our software does not depend on ongoing updates, we recognize revenue attributable to the license at the time of delivery and the revenue attributable to the maintenance and support ratably over the contract period.

Our perpetual licenses are generally sold with one or more years of maintenance, which includes ongoing software updates. Given the critical utility provided by the ongoing software updates and updated ability to identify network vulnerabilities included in maintenance, we combine the perpetual license and the maintenance into a single performance obligation. Perpetual license arrangements generally contain a material right related to the customer's ability to renew maintenance at a price that is less than the initial license fee. We apply a practical alternative to allocating a portion of the transaction price to the material right performance obligation and estimate a hypothetical transaction price which includes fees for expected maintenance renewals based on the estimated economic life of perpetual license contracts. We allocate the transaction price between the cybersecurity subscription provided in the initial contract and the material right related to expected contract renewals based on the hypothetical transaction price. We recognize the amount allocated to the combined license and maintenance performance obligation over the initial contractual period, which is generally one year. We recognize the amount allocated to the material right over the expected maintenance renewal period, which begins at the end of the initial contractual term and is generally four years. We have estimated the five-year economic life of perpetual license contracts based on historical contract attrition, expected renewal periods, the lifecycle of our technology and other factors. This estimate may change over time.

Professional services and other revenue is primarily comprised of advisory services and training related to the deployment and optimization of our products. These services do not result in significant customization of our products. Professional services and other revenue is recognized as the services are performed.

We have historically experienced, and expect in the future to experience, seasonality in entering into agreements with customers. We typically enter into a significantly higher percentage of agreements with new customers, as well as renewal agreements with existing customers, in the third and fourth quarters of the year. The increase in customer agreements in the third quarter is primarily attributable to U.S. government and related agencies, and the increase in the fourth quarter is primarily attributable to large enterprise account buying patterns typical in the software industry. The ratable nature of our subscription revenue makes this seasonality less apparent in our overall financial results.

Cost of Revenue, Gross Profit and Gross Margin

Cost of revenue includes personnel costs related to our technical support group that provides assistance to customers, including salaries, benefits, bonuses, payroll taxes, stock-based compensation and any severance. Cost of revenue also includes cloud infrastructure costs, the costs related to professional services and training, depreciation, amortization of acquired and developed technology, hardware costs and allocated overhead costs, which consist of information technology and facilities.

We intend to continue to invest additional resources in our cloud-based platform and customer support team as we grow our business. The level and timing of investment in these areas could affect our cost of revenue in the future.

Gross profit, or revenue less cost of revenue, and gross margin, or gross profit as a percentage of revenue, have been and will continue to be affected by various factors, including the timing of our acquisition of new customers and our renewals of and follow-on sales to existing customers, the costs associated with operating our cloud-based platform, the extent to which we expand our customer support team and the extent to which we can increase the efficiency of our technology and infrastructure through technological improvements.

We expect our gross profit to increase in absolute dollars but our gross margin may fluctuate from period to period depending on the interplay of all of these factors, particularly as it relates to cloud infrastructure costs, as we expect revenue from our cloud-based subscriptions to increase as a percentage of revenue.

Operating Expenses

Our operating expenses consist of sales and marketing, research and development and general and administrative expenses. Personnel costs are the most significant component of operating expenses and consist of salaries, benefits, bonuses, payroll taxes, stock-based compensation and any severance. Operating expenses also include depreciation and amortization as well as allocated overhead costs, including IT and facilities costs.

Sales and Marketing

Sales and marketing expense consists of personnel costs, sales commissions, marketing programs, travel and entertainment, expenses for conferences, meetings and events and allocated overhead costs. We capitalize sales commissions, including related fringe benefit costs, and recognize the expense over an estimated period of benefit, which ranges between three and four years for subscription arrangements and five years for perpetual license arrangements. Sales commissions on contract renewals are capitalized and amortized ratably over the contract term, with the exception of contracts with renewal periods that are one year or less, in which case the incremental costs are expensed as incurred. Sales commissions on professional services arrangements are expensed as incurred as the contractual periods of these arrangements are generally less than one year.

We intend to continue to make investments in our sales and marketing teams to increase revenue, further penetrate the market and expand our global customer base. We expect our sales and marketing expense to increase in absolute dollars annually and to be our largest operating expense category for the foreseeable future. However, as our revenue increases, we expect our sales and marketing expense to decrease as a percentage of our revenue over the long term. Our sales and marketing expense may fluctuate from period to period due to the timing and extent of these

expenses, including sales commissions, which may fluctuate depending on the mix of sales and related expense recognition.

Research and Development

Research and development expense consists of personnel costs, software used to develop our products, travel and entertainment, consulting and professional fees for third-party development resources as well as allocated overhead. Our research and development expense supports our efforts to continue to add capabilities to our existing products and enable the continued detection of new network vulnerabilities.

We expect our research and development expense to continue to increase annually in absolute dollars for the foreseeable future as we continue to invest in research and development efforts to enhance the functionality of our cloud-based platform. However, we expect our research and development expense to decrease as a percentage of our revenue over the long term, although our research and development expense may fluctuate from period to period due to the timing and extent of these expenses.

General and Administrative

General and administrative expense consists of personnel costs for our executive, finance, legal, human resources and administrative departments. Additional expenses include travel and entertainment, professional fees, insurance, allocated overhead, and acquisition-related costs.

We expect our general and administrative expense to continue to increase annually in absolute dollars for the foreseeable future due to additional costs associated with accounting, compliance, insurance and investor relations as a public company. However, we expect our general and administrative expense to decrease as a percentage of our revenue over the long term, although our general and administrative expense may fluctuate from period to period due to the timing and extent of these expenses.

Interest Income, Interest Expense and Other Expense, Net

Interest income consists of income earned on cash and cash equivalents and short-term investments. Interest expense consists primarily of interest expense in connection with our senior secured term loan facility, or Term Loan, unused commitment fees on our senior secured revolving credit facility, or Revolving Credit Facility, and letter of credit fees. Other expense, net consists primarily of foreign currency remeasurement and transaction gains and losses.

Provision (Benefit) for Income Taxes

Provision (benefit) for income taxes consists of income taxes in all foreign jurisdictions in which we conduct business and the related withholding taxes on sales with customers. We have recorded deferred tax assets for which a full valuation allowance has been provided, including net operating loss carryforwards and tax credits. We expect to maintain this full valuation allowance for the foreseeable future as it is more likely than not that some or all of those deferred tax assets may not be realized based on our history of losses.

Results of Operations

The following tables set forth our consolidated results of operations for the periods presented:

(in thousands)	Year Ended December 31,		
	2022	2021	2020
Revenue	\$ 683,191	\$ 541,130	\$ 440,221
Cost of revenue ⁽¹⁾	154,789	106,396	77,554
Gross profit	528,402	434,734	362,667
Operating expenses:			
Sales and marketing ⁽¹⁾	349,430	270,158	224,277
Research and development ⁽¹⁾	143,560	116,432	101,687
General and administrative ⁽¹⁾	103,227	89,912	73,136
Total operating expenses	596,217	476,502	399,100
Loss from operations	(67,815)	(41,768)	(36,433)
Interest income	6,284	606	1,740
Interest expense	(19,001)	(7,502)	(496)
Other expense, net	(4,757)	(1,965)	(1,885)
Loss before income taxes	(85,289)	(50,629)	(37,074)
Provision (benefit) for income taxes	6,933	(3,952)	5,657
Net loss	\$ (92,222)	\$ (46,677)	\$ (42,731)

(1) Includes stock-based compensation expense as follows:

(in thousands)	Year Ended December 31,		
	2022	2021	2020
Cost of revenue	\$ 8,369	\$ 4,446	\$ 3,158
Sales and marketing	49,383	29,410	19,842
Research and development	31,499	20,593	14,794
General and administrative	31,382	24,956	21,779
Total stock-based compensation expense	\$ 120,633	\$ 79,405	\$ 59,573

Comparison of 2022 and 2021

Revenue

The following table presents the increase in revenue:

(dollars in thousands)	Year Ended December 31,		Change	
	2022	2021	(\$)	(%)
Subscription revenue	\$ 612,510	\$ 476,023	\$ 136,487	29 %
Perpetual license and maintenance revenue	50,699	50,333	366	1 %
Professional services and other revenue	19,982	14,774	5,208	35 %
Revenue	<u>\$ 683,191</u>	<u>\$ 541,130</u>	<u>\$ 142,061</u>	26 %

The increase in revenue of \$142.1 million included \$132.8 million from existing customers as of January 1, 2022 and \$9.3 million from new customers. U.S. revenue increased \$71.2 million, or 23%. International revenue increased \$70.9 million, or 31%.

Cost of Revenue, Gross Profit and Gross Margin

(dollars in thousands)	Year Ended December 31,		Change	
	2022	2021	(\$)	(%)
Cost of revenue	\$ 154,789	\$ 106,396	\$ 48,393	45 %
Gross profit	528,402	434,734	93,668	22 %
Gross margin	77 %	80 %		

The increase in cost of revenue of \$48.4 million was primarily due to:

- a \$24.1 million increase in third-party cloud infrastructure costs;
- a \$13.8 million increase in personnel costs, primarily due to support for cloud-based products and an increase in headcount, including a \$3.9 million increase in stock-based compensation;
- a \$4.9 million increase in the amortization of acquired intangible assets;
- a \$2.8 million increase in professional fees;
- a \$0.7 million increase in the cost of goods;
- a \$0.7 million increase in depreciation and amortization;
- a \$0.6 million increase in subscription costs; and
- a \$0.6 million increase in allocated overhead expenses.

The amounts above are net of \$0.7 million in savings due to the impact of foreign exchange rates.

Operating Expenses

Sales and Marketing

(dollars in thousands)	Year Ended December 31,		Change	
	2022	2021	(\$)	(%)
Sales and marketing	\$ 349,430	\$ 270,158	\$ 79,272	29 %

The increase in sales and marketing expense of \$79.3 million was primarily due to:

- a \$52.5 million increase in personnel costs, related to an increase in headcount, including a \$20.0 million increase in stock-based compensation;
- a \$14.2 million increase in sales commissions;
- a \$5.8 million increase in expenses for demand generation programs, including advertising, sponsorships, and brand awareness efforts;
- a \$5.4 million increase in selling expenses, including travel and meeting costs and software subscription costs; and
- a \$1.5 million increase in allocated overhead expenses.

The amounts above are net of \$3.9 million in savings due to the impact of foreign exchange rates.

Research and Development

(dollars in thousands)	Year Ended December 31,		Change	
	2022	2021	(\$)	(%)
Research and development	\$ 143,560	\$ 116,432	\$ 27,128	23 %

The increase in research and development expense of \$27.1 million was primarily due to:

- a \$19.8 million increase in personnel costs, largely associated with an increase in headcount, including a \$10.9 million increase in stock-based compensation and is net of a \$7.7 million increase in capitalized software development costs;
- a \$3.1 million increase in third-party cloud infrastructure costs;
- a \$2.0 million increase in software subscriptions;
- a \$1.1 million increase in allocated overhead expenses; and
- a \$0.5 million increase in travel and meeting costs.

The amounts above are net of \$2.4 million in savings due to the impact of foreign exchange rates.

General and Administrative

(dollars in thousands)	Year Ended December 31,		Change	
	2022	2021	(\$)	(%)
General and administrative	\$ 103,227	\$ 89,912	\$ 13,315	15 %

The increase in general and administrative expense of \$13.3 million was primarily due to:

- an \$11.5 million increase in personnel costs, largely associated with an increase in headcount, including a \$6.4 million increase in stock-based compensation;
- a \$1.9 million increase in professional fees;
- a \$0.9 million increase in software subscription costs;
- a \$0.9 million increase in indirect taxes such as VAT or GST;
- a \$0.8 million increase in costs related to intra-entity asset transfers; and
- a \$0.3 million increase in travel and meeting costs; partially offset by
- a \$4.1 million decrease in acquisition-related expenses; and
- a \$0.7 million decrease in allocated overhead expenses.

The amounts above are net of \$0.7 million in savings due to the impact of foreign exchange rates.

Interest Income, Interest Expense and Other Expense, Net

(dollars in thousands)	Year Ended December 31,		Change	
	2022	2021	(\$)	(%)
Interest income	\$ 6,284	\$ 606	\$ 5,678	937 %
Interest expense	(19,001)	(7,502)	(11,499)	153 %
Other expense, net	(4,757)	(1,965)	(2,792)	142 %

The \$5.7 million increase in interest income was due to a higher interest rate on an increased amount of cash and cash equivalents and short-term investments. The \$11.5 million increase in interest expense was primarily related to an increase in the variable rate of our Term Loan entered into in July 2021. The \$2.8 million increase in other expense, net was primarily due to an increase in foreign exchange losses.

Provision (Benefit) for Income Taxes

(dollars in thousands)	Year Ended December 31,		Change	
	2022	2021	(\$)	(%)
Provision (benefit) for income taxes	\$ 6,933	\$ (3,952)	\$ 10,885	275 %

In 2022, the provision for income taxes included:

- \$4.8 million of income taxes in foreign jurisdictions in which we conduct business;
- \$3.9 million of discrete expenses primarily related to withholding taxes on sales to customers; and
- \$2.7 million of current expense from the restructuring of our research and development operations in Israel; partially offset by
- a \$2.5 million benefit from releasing a valuation allowance related to the Bit Discovery acquisition;
- \$1.2 million of deferred tax benefits related to the Alsid acquisition; and
- \$0.8 million of discrete benefits.

In 2021, the benefit for income taxes included:

- \$7.9 million of income tax benefits related to the partial release of our valuation allowance associated with the Accurics acquisition;
- \$2.9 million of discrete benefits primarily related to a Supreme Court decision in India on the taxability of software license payments to nonresidents and the associated withholding taxes; and
- a \$2.6 million deferred tax benefit related to the Alsid acquisition; partially offset by
- \$3.8 million of income taxes in foreign jurisdictions in which we conduct business;
- \$2.8 million of discrete expenses primarily related to withholding taxes on sales to customers; and
- \$2.8 million of current expense from the restructuring of our research and development operations in Israel.

Comparison of 2021 and 2020

Revenue

The following table presents the increase in revenue:

(dollars in thousands)	Year Ended December 31,		Change	
	2021	2020	(\$)	(%)
Subscription revenue	\$ 476,023	\$ 377,354	\$ 98,669	26 %
Perpetual license and maintenance revenue	50,333	50,594	(261)	(1)%
Professional services and other revenue	14,774	12,273	2,501	20 %
Revenue	<u>\$ 541,130</u>	<u>\$ 440,221</u>	<u>\$ 100,909</u>	<u>23 %</u>

The increase in revenue of \$100.9 million included \$93.6 million from existing customers as of January 1, 2021 and \$7.3 million from new customers. U.S. revenue increased \$46.3 million, or 17%. International revenue increased \$54.6 million, or 32%.

Cost of Revenue, Gross Profit and Gross Margin

(dollars in thousands)	Year Ended December 31,		Change	
	2021	2020	(\$)	(%)
Cost of revenue	\$ 106,396	\$ 77,554	\$ 28,842	37 %
Gross profit	434,734	362,667	72,067	20 %
Gross margin	80 %	82 %		

The increase in cost of revenue of \$28.8 million was primarily due to:

- a \$17.8 million increase in third-party cloud infrastructure costs;
- a \$4.1 million increase in the amortization of acquired intangible assets;
- a \$4.0 million increase in personnel costs, primarily due to support for cloud-based products and an increase in headcount, including a \$1.3 million increase in stock-based compensation;
- a \$1.2 million increase in professional fees; and
- a \$1.1 million increase in hardware costs; partially offset by
- a \$0.6 million decrease in allocated overhead expenses.

Operating Expenses

Sales and Marketing

(dollars in thousands)	Year Ended December 31,		Change	
	2021	2020	(\$)	(%)
Sales and marketing	\$ 270,158	\$ 224,277	\$ 45,881	20 %

The increase in sales and marketing expense of \$45.9 million was primarily due to:

- a \$23.3 million increase in personnel costs, related to an increase in headcount, including a \$9.6 million increase in stock-based compensation;

- a \$10.5 million increase in expenses for demand generation programs, including advertising, sponsorships, and brand awareness efforts;
- a \$10.0 million increase in sales commissions; and
- a \$3.8 million increase in selling expenses, including software subscriptions and training programs; partially offset by
- a \$1.9 million decrease in travel and meeting costs.

Research and Development

(dollars in thousands)	Year Ended December 31,		Change	
	2021	2020	(\$)	(%)
Research and development	\$ 116,432	\$ 101,687	\$ 14,745	15 %

The increase in research and development expense of \$14.7 million was primarily due to:

- a \$13.5 million increase in personnel costs, largely associated with an increase in headcount, including a \$5.8 million increase in stock-based compensation;
- a \$2.1 million increase in third-party cloud infrastructure costs; and
- a \$0.6 million increase in software subscriptions; partially offset by
- a \$1.0 million decrease in travel and meeting costs;
- a \$0.5 million decrease in allocated overhead; and
- a \$0.5 million decrease in depreciation.

General and Administrative

(dollars in thousands)	Year Ended December 31,		Change	
	2021	2020	(\$)	(%)
General and administrative	\$ 89,912	\$ 73,136	\$ 16,776	23 %

The increase in general and administrative expense of \$16.8 million was primarily due to:

- a \$7.5 million increase in personnel costs, largely associated with an increase in headcount, including a \$3.2 million increase in stock-based compensation;
- a \$6.3 million increase in acquisition-related expenses;
- a \$2.0 million increase in professional fees; and
- a \$1.0 million increase in depreciation and amortization.

Interest Income, Interest Expense and Other Expense, Net

(dollars in thousands)	Year Ended December 31,		Change	
	2021	2020	(\$)	(%)
Interest income	\$ 606	\$ 1,740	\$ (1,134)	(65)%
Interest expense	(7,502)	(496)	(7,006)	1,413 %
Other expense, net	(1,965)	(1,885)	(80)	4 %

The \$1.1 million decrease in interest income was due to lower returns on our short-term investments in 2021. The \$7.0 million increase in interest expense was primarily related to interest

expense for our Term Loan entered into in July 2021. The \$0.1 million increase in other expense, net was primarily due to an increase in foreign exchange losses.

(Benefit) Provision for Income Taxes

(dollars in thousands)	Year Ended December 31,		Change	
	2021	2020	(\$)	(%)
(Benefit) provision for income taxes	\$ (3,952)	\$ 5,657	\$ (9,609)	(170)%

In 2021, the benefit for income taxes included:

- \$7.9 million of income tax benefits related to the partial release of our valuation allowance associated with the Accurics acquisition;
- \$2.9 million of discrete benefits primarily related to a Supreme Court decision in India on the taxability of software license payments to nonresidents and the associated withholding taxes; and
- a \$2.6 million deferred tax benefit related to the Alsid acquisition; partially offset by
- \$3.8 million of income taxes in foreign jurisdictions in which we conduct business;
- \$2.8 million of discrete expenses primarily related to withholding taxes on sales to customers; and
- \$2.8 million of current expense from the restructuring of our research and development operations in Israel.

In 2020, the provision for income taxes included:

- \$4.0 million of income taxes in foreign jurisdictions in which we conduct business; and
- \$1.7 million of discrete expenses primarily related to withholding taxes on sales to customers.

Liquidity and Capital Resources

At December 31, 2022, we had \$300.9 million of cash and cash equivalents, which consisted of bank deposits and money market funds, and \$266.6 million of short-term investments, which consisted of commercial paper, asset backed securities, certificates of deposit, U.S. Treasury and agency obligations, and corporate and supranational bonds.

Since our inception, we have primarily financed our operations through cash provided by operations, including payments received from customers using our software products and services. Prior to our IPO, we did not raise any primary institutional capital, and the proceeds of our Series A and Series B redeemable convertible preferred stock financings were used to repurchase shares of capital stock from former stockholders. We have generated significant operating losses, as reflected by our accumulated deficit of \$746.8 million at December 31, 2022.

We typically invoice our customers annually in advance and, to a lesser extent, multi-years in advance. Therefore, a substantial source of our cash is from such prepayments, which are included in deferred revenue on our consolidated balance sheets. Deferred revenue consists primarily of the unearned portion of billed fees for our subscriptions and perpetual licenses, which is subsequently recognized as revenue in accordance with our revenue recognition policy. At December 31, 2022, we had deferred revenue of \$664.6 million, of which \$502.1 million was recorded as a current liability and is expected to be recognized as revenue in the next 12 months, provided all other revenue recognition criteria are met.

Our principal uses of cash in recent periods have been funding our operations, expansion of our sales and marketing and research and development activities, investments in infrastructure, including the build-out of our new headquarters, and acquiring complementary businesses and technology. We paid \$66.8 million and \$258.5 million to acquire businesses in 2022 and 2021, respectively. We may in the future enter into arrangements to acquire or invest in other complementary businesses, services and technologies, including intellectual property rights.

We expect to continue incurring operating losses in the near term. Even though we generated positive cash flows from operations and free cash flow in 2022, 2021 and 2020, we may not be able to sustain these cash flows. We believe that our existing cash and cash equivalents and short-term investments will be sufficient to fund our operating and capital needs for at least the next 12 months and for the foreseeable future. Our future capital requirements will depend on many factors, including our revenue growth rate, subscription renewal activity, the timing and extent of spending to support further infrastructure and research and development efforts, the timing and extent of additional capital expenditures to invest in new and existing office spaces, the expansion of sales and marketing and international operating activities, any acquisitions of complementary businesses and technologies, the timing of our introduction of new product capabilities and enhancements of our platform and the continuing market acceptance of our platform. It may be necessary to seek additional equity or debt financing to fund our operating and capital needs. In the event that financing is required from outside sources, we may not be able to raise it on terms acceptable to us or at all. If we are unable to raise additional capital when desired, or if we cannot expand our operations or otherwise capitalize on our business opportunities because we lack sufficient capital, our business, operating results and financial condition would be adversely affected.

Term Loan and Revolving Credit Facility

In July 2021, we entered into a credit agreement, or the Credit Agreement, which is comprised of a \$375.0 million Term Loan and a \$50.0 million Revolving Credit Facility, with a \$15.0 million letter of credit sublimit. The Term Loan bears variable interest at a rate of 2.75% per annum over LIBOR, subject to a 0.50% floor. Prior to January 31, 2022, the interest rate on the Term Loan was 3.25%. From January 2022 through July 2022, July 2022 through October 2022, and October 2022 through January 2023, interest rates on our Term Loan were 3.27%, 5.56% and 7.16%, respectively. Effective January 31, 2023 through April 27, 2023, the Term Loan has an interest rate of 7.58%. The Term Loan is being amortized at 1% per annum in equal quarterly installments until the final payment of \$350.6 million on the July 7, 2028 maturity date. We may be subject to mandatory Term Loan prepayments related to the excess cash provisions in the Credit Agreement beginning in 2023. The prepayments related to excess cash flow provisions apply if our first lien net leverage ratio (as defined in the Credit Agreement) exceeds 3.5, and at December 31, 2022, our first lien net leverage ratio was below that threshold.

The Revolving Credit Facility bears interest at a rate, depending on first lien net leverage, ranging from 2.00% to 2.50% over LIBOR and matures on July 7, 2026. We pay a commitment fee during the term ranging from 0.25% to 0.375% per annum of the average daily undrawn portion of the revolving commitments based on the first lien net leverage ratio. The Credit Agreement contains customary representations and warranties and affirmative and negative covenants. Additionally, if at least 35% of the Revolving Credit Facility is drawn on the last day of the quarter, the total net leverage ratio cannot be greater than 5.50 to 1.00. At December 31, 2022, we were in compliance with the covenants and at December 31, 2022, we had \$0.2 million of standby letters of credit outstanding under our Revolving Credit Facility.

Cash Flows

The following table summarizes our cash flows for the periods presented:

(in thousands)	Year Ended December 31,		
	2022	2021	2020
Net cash provided by operating activities	\$ 131,151	\$ 96,765	\$ 64,232
Net cash (used in) provided by investing activities	(128,039)	(391,590)	4,079
Net cash provided by financing activities	23,318	397,646	36,403
Effect of exchange rate changes on cash and cash equivalents and restricted cash	(3,835)	(3,013)	(916)
Net increase in cash and cash equivalents and restricted cash	\$ 22,595	\$ 99,808	\$ 103,798

Operating Activities

Our largest source of cash provided by operating activities is cash collections from sales of our products and services, as we typically invoice our customers in advance. Our primary uses of cash are employee compensation costs, third-party cloud infrastructure and other software subscription costs, demand generation expenditures and general corporate costs.

Investing Activities

From 2021 to 2022, net cash used in investing activities decreased by \$263.6 million, primarily due to a decrease in cash paid for acquisitions of \$191.7 million and a net decrease in cash paid for short-term investments of \$89.4 million in 2022, partially offset by an increase in capitalized software development costs of \$7.1 million, an increase in purchases of property and equipment of \$5.5 million and an increase in cash paid for other investments of \$5.0 million.

From 2020 to 2021, net cash used in investing activities increased by \$395.7 million, primarily due to an increase in cash paid for acquisitions of \$258.2 million, a net increase in cash paid for short-term investments of \$146.2 million, a \$5.0 million other investment in 2021 and an increase in capitalized software development costs of \$1.3 million, partially offset by a decrease in purchases of property and equipment of \$15.0 million.

Financing Activities

From 2021 to 2022, net cash provided by financing activities decreased by \$374.3 million, primarily due to the net proceeds from the issuance of our Credit Facility in 2021 of \$365.7 million, a decrease of \$6.5 million in the proceeds from the exercise of stock options and \$3.8 million of principal payments made on our Term Loan in 2022, partially offset by a \$1.1 million increase in proceeds from stock issued in connection with our employee stock purchase plan.

From 2020 to 2021, net cash provided by financing activities increased by \$361.2 million, primarily due to net proceeds from our Credit Facility of \$365.7 million. This increase was partially offset by a decrease of \$3.4 million in the proceeds from the exercise of stock options and \$2.0 million of loan proceeds that we received from the state of Maryland in 2020.

Contractual Obligations

We have certain contractual obligations for future payments. Refer to Note 7 to our consolidated financial statements in this Annual Report on Form 10-K for our required operating lease payments and Note 9 for our required payments to Amazon Web Services, Inc. for cloud services.

At December 31, 2022, we had other non-cancellable purchase obligations of \$15.3 million due in the next twelve months and \$9.0 million due thereafter. Additionally, we had \$7.8 million of unrecognized tax benefits and \$1.4 million of asset retirement obligations, the timing of payments for which is uncertain.

Critical Accounting Policies and Estimates

Our financial statements are prepared in accordance with U.S. GAAP. The preparation of these financial statements requires us to make estimates and assumptions that affect the reported amounts of assets, liabilities, revenue and expenses, as well as related disclosures. We evaluate our estimates and assumptions on an ongoing basis. Our estimates are based on historical experience and various other assumptions that we believe to be reasonable under the circumstances. Our actual results could differ from these estimates.

The critical accounting estimates, assumptions and judgments that we believe have the most significant impact on our consolidated financial statements are described below.

Revenue Recognition

We recognize revenue to depict the transfer of promised goods or services to customers in an amount that reflects the consideration to which we expect to be entitled to in exchange for those goods or services. In recognizing revenue, we apply the following steps:

- Identify the contract with a customer
- Identify the performance obligations in the contract
- Determine the transaction price
- Allocate the transaction price to the performance obligations in the contract
- Recognize revenue when or as performance obligations are satisfied

In situations where we enter into a contractual arrangement that includes non-standard terms and conditions, such as acceptance provisions and options to purchase additional products and services, as well as contract modifications, we apply judgment in identifying and assessing the impact on revenue recognition.

We generate revenue from subscription arrangements for our software and cloud-based solutions, perpetual licenses, maintenance associated with perpetual licenses and professional services and other revenue.

Subscription Revenue

Our subscription arrangements generally have annual or multi-year contractual terms and allow customers to use our software or cloud solutions. For our software subscriptions that are dependent on ongoing software updates and the ability to identify the latest cybersecurity vulnerabilities, revenue is recognized ratably over the subscription term given the critical utility provided by the ongoing updates that are released throughout the contract period. When the critical utility of our software does

not depend on ongoing updates, we recognize revenue attributable to the license at the time of delivery and the revenue attributable to the maintenance and support ratably over the contract period.

Perpetual License and Maintenance Revenue

Our perpetual licenses are generally sold with one or more years of maintenance, which include ongoing software updates and the ongoing ability to identify the latest cybersecurity vulnerabilities. Given the critical utility provided by the ongoing software updates and updated ability to identify network vulnerabilities included in maintenance, we combine the perpetual license and the maintenance into a single performance obligation. Perpetual license arrangements generally contain a material right related to the customer's ability to renew maintenance at a price that is less than the initial license fee. We apply a practical alternative to allocating a portion of the transaction price to the material right performance obligation and estimate a hypothetical transaction price which includes fees for expected maintenance renewals based on the estimated economic life of the perpetual license contracts. We allocate the transaction price between the cybersecurity subscription provided in the initial contract and the material right related to expected contract renewals based on the hypothetical transaction price. We recognize the amount allocated to the combined license and maintenance performance obligation over the initial contractual period, which is generally one year. We recognize the amount allocated to the material right over the expected maintenance renewal period, which begins at the end of the initial contractual term and is generally four years. We have estimated the five-year economic life of perpetual license contracts based on historical contract attrition, expected renewal periods, the lifecycle of our technology and other factors. While we believe that the estimates we have made are reasonable and appropriate, different assumptions and estimates could materially impact our reported financial results.

Professional Services and Other Revenue

Professional services and other revenue is primarily comprised of advisory services and training related to the deployment and optimization of our products. These services do not result in significant customization of our products. Professional services and other revenue is recognized as the services are performed.

Contracts with Multiple Performance Obligations

In cases where our contracts with customers contain multiple performance obligations, the contract transaction price is allocated on a relative standalone selling price basis. We typically determine standalone selling price based on observable selling prices of our products and services.

Variable Consideration

We record revenue from sales at the net sales price, which is the transaction price, including estimates of variable consideration when applicable. Certain of our customers may be entitled to receive credits and in certain circumstances, refunds, if service level commitments are not met. We have not historically experienced significant incidents affecting the ability to meet these service level commitments and any estimated refunds related to these agreements have not been material.

Sales through our channel partner network of distributors and resellers are generally discounted as compared to the price that we would sell to an end user. Revenue for sales through our channel network, which is fixed, is recorded net of any distributor or reseller margin.

Deferred Commissions

Sales commissions, including related incremental fringe benefit costs, are considered to be incremental costs of obtaining a contract, and therefore are deferred over an estimated period of benefit, which ranges between three and four years for subscription arrangements and five years for perpetual license arrangements. We have estimated the period of benefit based on the expected contract term including renewal periods, the lifecycle of our technology and other factors. Sales commissions on contract renewals are capitalized and amortized ratably over the contract term, with the exception of contracts with renewal periods that are one year or less, in which case the incremental costs are expensed as incurred. While we believe that the estimates we have made are reasonable and appropriate, different assumptions and estimates could materially impact our reported financial results.

Stock-Based Compensation

Stock-based compensation expense related to stock options, restricted stock, restricted stock units, or RSUs, and purchase rights issued under our 2018 Employee Stock Purchase Plan, or the 2018 ESPP, is calculated based on the fair value of the awards granted and is recognized on a straight-line basis over the requisite service period, which is generally two to four years. Our performance stock units, or PSUs, vest over a period of 4 years and are subject to defined performance and service conditions. Our PSUs and RSUs that include performance-based vesting conditions are expensed using the accelerated attribution method. We account for forfeitures as they occur.

The fair value of our RSUs and PSUs is based on the market price of our common stock on the date of grant. Estimating the fair value of stock options and purchase rights under the 2018 ESPP using the Black-Scholes option-pricing model requires assumptions as to the fair value of our underlying common stock, the estimated term of the option, the risk free interest rates, the expected volatility of the price of our common stock and the expected dividend yield. The assumptions used to estimate the fair value of the option awards reflect our best estimates. If any of the assumptions change significantly, stock-based compensation for future awards may differ significantly compared with the awards granted previously.

The assumptions and estimates are as follows:

- *Fair Value of Common Stock.* See “Valuations” discussion below.
- *Expected Term.* This is the period of time that the options granted are expected to remain unexercised. We used the simplified method to calculate the average expected term for stock options. We use the actual purchase periods as the expected term in the 2018 ESPP.
- *Volatility.* This is a measure of the amount by which a financial variable, such as a share price, has fluctuated (historical volatility) or is expected to fluctuate (expected volatility) during a period. In 2021, we began using the volatility of our common stock to calculate expected volatility. Prior to 2021, we identified several public entities of similar size, complexity and stage of development and estimated our volatility based on the volatility of the common stock of these companies.
- *Risk-Free Interest Rate.* This is the U.S. Treasury rate, having a term that most closely resembles the expected life of the stock option.
- *Dividend Yield.* We have not and do not expect to pay dividends on our common stock.

Valuations

Following our IPO, we use the market price of our common stock at the date of grant as the fair

value. Prior to our IPO, the lack of an active public market for our common stock required our Board of Directors to exercise reasonable judgment and consider a number of factors in order to make the best estimate of fair value of our common stock, in accordance with the technical practice-aid issued by the American Institute of Certified Public Accountants Practice Aid entitled *Valuation of Privately-Held Company Equity Securities Issued as Compensation*. Factors considered in connection with estimating the fair value of our common stock underlying our award of restricted stock and stock option awards when performing the fair value calculations with the Black-Scholes option-pricing model included:

- The results of independent third-party valuations of our common stock
- Recent arm's length transactions involving the sale or transfer of our common stock
- The rights, preferences and privileges of our Series A and Series B redeemable convertible preferred stock relative to those of our common stock
- Our historical financial results and future financial projections
- The market value of equity interests in substantially similar businesses, which equity interests can be valued through nondiscretionary, objective means
- The lack of marketability of our common stock
- The likelihood of achieving a liquidity event, such as an IPO given prevailing market conditions
- Industry outlook
- General economic outlook including economic growth, inflation and unemployment, interest rate environment and global economic trends

As described above, the exercise price of our stock option awards was determined by our Board of Directors, with input from management, taking into account the factors described above, using a combination of valuation methodologies with varying weighting applied to each methodology as of the grant date.

Application of these approaches involved the use of estimates, judgment and assumptions that were highly complex and subjective, such as those regarding our expected future revenue, expenses and future cash flows, discount rates, market multiples, the selection of comparable companies and the probability of possible future events. Changes in any or all of these estimates and assumptions or the relationships between those assumptions would have impacted our valuations as of each valuation date and may have had a material impact on the valuation of our common stock.

The fair value of the 2018 ESPP purchase rights were estimated on the offering or modification dates based on the following assumptions:

	Year Ended December 31,		
	2022	2021	2020
Expected term (in years)	0.5 — 2.0	0.5 — 2.0	0.5 — 2.0
Expected volatility	42.8% — 61.0%	37.2% — 59.4%	41.6% — 60.1%
Risk-free interest rate	0.1% — 3.4%	0.1% — 0.2%	0.1% — 0.9%
Expected dividend yield	—	—	—

Business Combinations

We account for business combinations by recognizing the fair value of acquired assets and liabilities. The excess purchase consideration over the fair value of acquired assets and liabilities is

recorded as goodwill. When determining the fair value of assets acquired and liabilities assumed, a non-recurring Level 3 fair value measurement, we make estimates and assumptions, especially with respect to intangible assets such as identified acquired technology and trade names. We generally determine the fair value of acquired technology using the multi-period excess earnings method, a form of the income approach. Estimates in valuing identifiable intangible assets include, but are not limited to, projected revenue growth rates, obsolescence projections and an appropriate discount rate. Our estimate of fair value is based upon assumptions we believe to be reasonable, but which are inherently uncertain and, as a result, actual results may differ from estimates. During the measurement period, we may make adjustments to the fair value of assets acquired and liabilities assumed, with offsetting adjustments to goodwill. Any adjustments made after the measurement period will be reflected in the consolidated statements of operations. Acquisition-related transaction costs are expensed as incurred.

Goodwill

The excess purchase consideration over the fair value of acquired assets and liabilities is recorded as goodwill. We perform our annual impairment assessment on October 1, or more frequently, when events or circumstances indicate impairment may have occurred. We operate as one reporting unit and have elected to first assess qualitative factors to determine whether it is more likely than not that the fair value of the Company as a whole is less than its carrying amount, including goodwill. The qualitative assessment includes an evaluation of relevant events and circumstances, including macroeconomic, industry and market conditions, our overall financial performance, and trends in the value of our common stock. During the periods presented, there were no indications of impairment and it was not more likely than not that goodwill was impaired.

Income Taxes

We are subject to federal, state and local taxes in the United States as well as numerous international jurisdictions. These foreign jurisdictions have different statutory tax rates than the United States. Earnings generated by our international entities are related to transfer pricing requirements as applicable under local jurisdiction tax laws.

We record a provision for income taxes under the asset and liability method, which requires recognition of deferred tax assets and liabilities for the expected future tax consequences of temporary differences between the financial statement carrying amounts and the tax basis of existing assets and liabilities, net operating loss carryforwards and tax credit carryforwards. Deferred tax assets and liabilities are measured using the tax rates that are expected to apply to taxable income for the years in which those tax assets and liabilities are expected to be realized or settled. A valuation allowance is provided if it is more likely than not that some or all of the deferred tax assets will not be realized. We have valuation allowances in all jurisdictions against deferred tax assets net of deferred tax liabilities that will reverse and provide a source of taxable income. Our evaluation of valuation allowances could change in the future and the impact could have a material impact on our financial statements.

We recognize tax benefits from an uncertain tax position if it is more likely than not to be sustained upon audit by the relevant taxing authority. Interest and penalties associated with such uncertain tax positions are classified as a component of income tax expense.

Depending on the jurisdiction, distributions of earnings could be subject to withholding taxes at rates applicable to the distributing jurisdiction. As we intend to continue to reinvest the earnings of foreign subsidiaries indefinitely, we have not provided for a U.S. income tax liability and foreign withholding taxes on undistributed foreign earnings of foreign subsidiaries.

Item 7A. Quantitative and Qualitative Disclosures about Market Risk

We are exposed to market risks in the ordinary course of our business, including interest rate, foreign currency exchange and inflation risks.

Interest Rate Risk

At December 31, 2022, we had \$300.9 million of cash and cash equivalents, which consisted of cash deposits and money market funds. We also had \$266.6 million of short-term investments, which consisted of commercial paper, asset backed securities, certificates of deposit, U.S. treasury and agency securities and corporate and supranational bonds. Our investments are carried at their fair market values with cumulative unrealized gains or losses recorded as a component of accumulated other comprehensive (loss) income within stockholders' equity. The primary objectives of our investment activities are the preservation of capital, the fulfillment of liquidity needs and the fiduciary control of cash and investments. We do not enter into investments for trading or speculative purposes. Interest-earning instruments carry a degree of interest rate risk; however, a hypothetical 10% change in interest rates during any of the periods presented would not have had a material impact on our financial statements.

In July 2021, we entered into the Credit Agreement comprised of a \$375.0 million Term Loan and a \$50.0 million Revolving Credit Facility. Prior to January 31, 2022, the interest rate on the Term Loan was 3.25% (2.75% plus 0.50% LIBOR floor). From January 2022 through July 2022, July 2022 through October 2022, and October 2022 through January 2023, interest rates on our Term Loan were 3.27%, 5.56% and 7.16%, respectively. Effective January 31, 2023 through April 27, 2023, the Term Loan has a variable interest rate of 7.58%. A one percentage point increase in the rate would increase 2023 interest expense by \$2.5 million.

Because the United Kingdom Financial Conduct Authority, which regulates LIBOR, announced the desire to phase out the use of LIBOR by the middle of 2023, our borrowings in the second half of 2023 may be subject to the Secured Overnight Financing Rate, or SOFR, under the terms our Term Loan and Revolving Credit Facility.

Foreign Currency Exchange Risk

Substantially all of our sales contracts are denominated in U.S. dollars, with a limited number of contracts denominated in foreign currencies, including foreign denominated leases. A portion of our operating expenses are incurred outside the United States, denominated in foreign currencies and subject to fluctuations due to changes in foreign currency exchange rates, particularly changes in the Euro, British Pound, Australian dollar, Israeli New Shekel and Indian Rupee. In 2022, the U.S. dollar strengthened compared to other currencies, which likely negatively impacted our international sales growth and lowered certain international operating expenses. Further strengthening of the U.S. dollar compared to other currencies could result in lower international sales as our products would seem more expensive and could result in lower international operating costs as the U.S. dollar is the functional currency for all of our international subsidiaries. Additionally, fluctuations in foreign currency exchange rates may cause us to recognize remeasurement and transaction gains (losses) in our consolidated statements of operations. As the impact of foreign currency exchange rates has not been material to our historical operating results, we have not entered into derivative or hedging transactions, but we may do so in the future if our exposure to foreign currencies becomes more significant.

Inflation Risk

We do not believe that inflation has had a material effect on our business, results of operations, or financial condition through December 31, 2022. However, if our costs, specifically employee-related and third-party cloud infrastructure costs, were to become subject to significant inflationary pressures, we may not be able to fully offset such higher costs, and our inability or failure to do so could harm our business, results of operations, or financial condition.

Item 8. Financial Statements and Supplementary Data

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REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

To the Stockholders and the Board of Directors of Tenable Holdings, Inc.

Opinion on the Financial Statements

We have audited the accompanying consolidated balance sheets of Tenable Holdings, Inc. (the Company) as of December 31, 2022 and 2021, the related consolidated statements of operations, comprehensive loss, stockholders' equity and cash flows for each of the three years in the period ended December 31, 2022, and the related notes and the financial statement schedule listed in the Index at item 15(a)(2) (collectively referred to as the "consolidated financial statements"). In our opinion, the consolidated financial statements present fairly, in all material respects, the financial position of the Company at December 31, 2022 and 2021, and the results of its operations and its cash flows for each of the three years in the period ended December 31, 2022, in conformity with U.S. generally accepted accounting principles.

We also have audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States) (PCAOB), the Company's internal control over financial reporting as of December 31, 2022, based on criteria established in Internal Control-Integrated Framework issued by the Committee of Sponsoring Organizations of the Treadway Commission (2013 framework) and our report dated February 24, 2023 expressed an unqualified opinion thereon.

Basis for Opinion

These financial statements are the responsibility of the Company's management. Our responsibility is to express an opinion on the Company's financial statements based on our audits. We are a public accounting firm registered with the PCAOB and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement, whether due to error or fraud. Our audits included performing procedures to assess the risks of material misstatement of the financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the financial statements. We believe that our audits provide a reasonable basis for our opinion.

Critical Audit Matters

The critical audit matters communicated below are matters arising from the current period audit of the financial statements that were communicated or required to be communicated to the audit committee and that: (1) relate to accounts or disclosures that are material to the financial statements and (2) involved our especially challenging, subjective or complex judgments. The communication of critical audit matters does not alter in any way our opinion on the consolidated financial statements, taken as a whole, and we are not, by communicating the critical audit matters below, providing separate opinions on the critical audit matters or on the accounts or disclosures to which they relate.

Revenue Recognition – Identification and Evaluation of Contracts with Non-Standard Terms and Conditions

Description of the Matter As described in Note 1 to the consolidated financial statements, management enters into certain contracts with customers, including software subscription arrangements and perpetual licenses with related maintenance, with non-standard terms and conditions.

Performing procedures relating to the identification and evaluation of non-standard terms and conditions in contracts is a critical audit matter because there is a significant amount of judgment required by management in identifying and evaluating non-standard terms and conditions and determining the impact of such terms and conditions on the amount and timing of revenue recognition. Accordingly, there is significant auditor judgment and significant audit effort in performing our audit procedures to evaluate whether non-standard terms and conditions in contracts were appropriately identified and evaluated by management.

How We Addressed the Matter in Our Audit We obtained an understanding, evaluated the design and tested the operating effectiveness of controls over the Company’s process for identifying and evaluating contracts with non-standard terms and conditions. These procedures also included, among others, on a sample basis (i) testing the completeness and accuracy of management’s identification of contracts with non-standard terms and conditions and (ii) testing management’s determination of the impact of non-standard terms and conditions on the amount and timing of revenue recognition.

Valuation of Acquired Developed Technology Intangible Assets

Description of the Matter As described in Note 6 to the consolidated financial statements, during the year ended December 31, 2022, the Company completed acquisitions for \$66.8 million, in the aggregate, in cash. The Company’s accounting for the acquisitions included determining the fair value of certain acquired intangible assets using an income approach including developed technology with a determined fair value of \$11.0 million. Auditing the accounting for the valuation of the acquired intangible assets using an income approach involved complex auditor judgment due to the estimation required in management’s determination of the fair values. The estimation was significant primarily due to the sensitivity of the fair value of the developed technology using an income approach to the underlying assumptions, including the projected revenue growth rates and the obsolescence factor. These significant assumptions are forward-looking and could be affected by future economic and market conditions.

How We Addressed the Matter in Our Audit We obtained an understanding, evaluated the design and tested the operating effectiveness of controls over the Company’s process for accounting for the valuation of the acquired intangible assets using an income approach. For example, we tested controls over management’s review of the valuation models and significant assumptions used in determining the fair value of the acquired developed technology intangible assets as well as controls over the completeness and accuracy of the data used in the models and assumptions. To test the fair value of the acquired developed technology, our audit procedures included, among others, evaluating the Company’s use of valuation methodologies, evaluating the significant assumptions, evaluating the significant aspects of prospective financial information and testing the completeness and accuracy of underlying data. We involved our valuation specialists to assist in testing the valuation of the acquired intangible asset. For example, we compared the significant assumptions to current industry and market trends and to other relevant factors. We also performed sensitivity analyses of the significant assumptions to evaluate the change in the fair value resulting from changes in the assumptions.

/s/ Ernst & Young LLP

We have served as the Company's auditor since 2014

Baltimore, Maryland

February 24, 2023

REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

To the Stockholders and Board of Directors of Tenable Holdings, Inc.

Opinion on Internal Control Over Financial Reporting

We have audited Tenable Holdings, Inc.'s internal control over financial reporting as of December 31, 2022, based on criteria established in Internal Control—Integrated Framework issued by the Committee of Sponsoring Organizations of the Treadway Commission (2013 framework) (the COSO criteria). In our opinion, Tenable Holdings, Inc. (the Company) maintained, in all material respects, effective internal control over financial reporting as of December 31, 2022, based on the COSO criteria.

We also have audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States) (PCAOB), the consolidated balance sheets of Tenable Holdings, Inc. as of December 31, 2022 and 2021, the related consolidated statements of operations, comprehensive loss, stockholders' equity and cash flows for each of the three years in the period ended December 31, 2022, and the related notes and the financial statement schedule listed in the Index at item 15(a)(2) (collectively referred to as the "consolidated financial statements") and our report dated February 24, 2023 expressed an unqualified opinion thereon.

Basis for Opinion

The Company's management is responsible for maintaining effective internal control over financial reporting and for its assessment of the effectiveness of internal control over financial reporting included in the accompanying Management's Report on Internal Control Over Financial Reporting. Our responsibility is to express an opinion on the Company's internal control over financial reporting based on our audit. We are a public accounting firm registered with the PCAOB and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audit in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether effective internal control over financial reporting was maintained in all material respects.

Our audit included obtaining an understanding of internal control over financial reporting, assessing the risk that a material weakness exists, testing and evaluating the design and operating effectiveness of internal control based on the assessed risk, and performing such other procedures as we considered necessary in the circumstances. We believe that our audit provides a reasonable basis for our opinion.

Definition and Limitations of Internal Control Over Financial Reporting

A company's internal control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles. A company's internal control over financial reporting includes those policies and procedures that (1) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the company; (2) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with generally accepted accounting principles, and that receipts and expenditures of the company are being made only in accordance with authorizations of management and directors of the company; and (3) provide

reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of the company's assets that could have a material effect on the financial statements.

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

/s/ Ernst & Young LLP
Baltimore, Maryland
February 24, 2023

TENABLE HOLDINGS, INC.
CONSOLIDATED BALANCE SHEETS

(in thousands, except per share data)	December 31,	
	2022	2021
Assets		
Current assets:		
Cash and cash equivalents	\$ 300,866	\$ 278,000
Short-term investments	266,569	234,292
Accounts receivable (net of allowance for doubtful accounts of \$1,400 and \$524 at December 31, 2022 and 2021, respectively)	187,341	136,601
Deferred commissions	44,270	40,311
Prepaid expenses and other current assets	58,121	60,234
Total current assets	857,167	749,438
Property and equipment, net	46,726	36,833
Deferred commissions (net of current portion)	67,238	59,638
Operating lease right-of-use assets	38,495	38,530
Acquired intangible assets, net	75,376	71,536
Goodwill	316,520	261,614
Other assets	38,008	31,230
Total assets	\$ 1,439,530	\$ 1,248,819
Liabilities and Stockholders' Equity		
Current liabilities:		
Accounts payable and accrued expenses	\$ 18,722	\$ 16,254
Accrued compensation	52,620	54,051
Deferred revenue	502,115	407,498
Operating lease liabilities	5,821	2,320
Other current liabilities	4,882	3,759
Total current liabilities	584,160	483,882
Deferred revenue (net of current portion)	162,487	123,387
Term loan, net of issuance costs (net of current portion)	361,970	364,728
Operating lease liabilities (net of current portion)	52,611	55,046
Other liabilities	7,436	6,463
Total liabilities	1,168,664	1,033,506
Stockholders' equity:		
Common stock (par value: \$0.01; 500,000 shares authorized, 113,056 and 108,929 shares issued and outstanding at December 31, 2022 and 2021, respectively)	1,131	1,089
Additional paid-in capital	1,017,837	869,059
Accumulated other comprehensive loss	(1,351)	(306)
Accumulated deficit	(746,751)	(654,529)
Total stockholders' equity	270,866	215,313
Total liabilities and stockholders' equity	\$ 1,439,530	\$ 1,248,819

The accompanying notes are an integral part of these consolidated financial statements.

TENABLE HOLDINGS, INC.
CONSOLIDATED STATEMENTS OF OPERATIONS

(in thousands, except per share data)	Year Ended December 31,		
	2022	2021	2020
Revenue	\$ 683,191	\$ 541,130	\$ 440,221
Cost of revenue	154,789	106,396	77,554
Gross profit	528,402	434,734	362,667
Operating expenses:			
Sales and marketing	349,430	270,158	224,277
Research and development	143,560	116,432	101,687
General and administrative	103,227	89,912	73,136
Total operating expenses	596,217	476,502	399,100
Loss from operations	(67,815)	(41,768)	(36,433)
Interest income	6,284	606	1,740
Interest expense	(19,001)	(7,502)	(496)
Other expense, net	(4,757)	(1,965)	(1,885)
Loss before income taxes	(85,289)	(50,629)	(37,074)
Provision (benefit) for income taxes	6,933	(3,952)	5,657
Net loss	<u>\$ (92,222)</u>	<u>\$ (46,677)</u>	<u>\$ (42,731)</u>
Net loss per share, basic and diluted	<u>\$ (0.83)</u>	<u>\$ (0.44)</u>	<u>\$ (0.42)</u>
Weighted-average shares used to compute net loss per share, basic and diluted	<u>111,321</u>	<u>106,387</u>	<u>101,009</u>

The accompanying notes are an integral part of these consolidated financial statements.

TENABLE HOLDINGS, INC.
CONSOLIDATED STATEMENTS OF COMPREHENSIVE LOSS

(in thousands)	Year Ended December 31,		
	2022	2021	2020
Net loss	\$ (92,222)	\$ (46,677)	\$ (42,731)
Other comprehensive loss, net of tax:			
Unrealized loss on available-for-sale securities	(1,045)	(316)	(40)
Other comprehensive loss	(1,045)	(316)	(40)
Comprehensive loss	\$ (93,267)	\$ (46,993)	\$ (42,771)

The accompanying notes are an integral part of these consolidated financial statements.

TENABLE HOLDINGS, INC.
CONSOLIDATED STATEMENTS OF STOCKHOLDERS' EQUITY

(in thousands)	Common Stock		Additional Paid-in Capital	Accumulated Other Comprehensive (Loss) Income	Accumulated Deficit	Total Stockholders' Equity
	Shares	Amount				
Balance at December 31, 2019	98,587	\$ 986	\$ 662,990	\$ 50	\$ (565,121)	\$ 98,905
Exercise of stock options	2,956	29	21,680	—	—	21,709
Vesting of restricted stock units	1,504	15	(15)	—	—	—
Issuance of common stock under employee stock purchase plan	668	7	13,033	—	—	13,040
Stock-based compensation	—	—	59,782	—	—	59,782
Other comprehensive loss	—	—	—	(40)	—	(40)
Net loss	—	—	—	—	(42,731)	(42,731)
Balance at December 31, 2020	103,715	1,037	757,470	10	(607,852)	150,665
Exercise of stock options	2,671	26	18,242	—	—	18,268
Vesting of restricted stock units	1,872	19	(19)	—	—	—
Issuance of common stock under employee stock purchase plan	671	7	13,729	—	—	13,736
Stock-based compensation	—	—	79,637	—	—	79,637
Other comprehensive loss	—	—	—	(316)	—	(316)
Net loss	—	—	—	—	(46,677)	(46,677)
Balance at December 31, 2021	108,929	1,089	869,059	(306)	(654,529)	215,313
Exercise of stock options	1,174	12	11,709	—	—	11,721
Vesting of restricted stock units	2,510	25	(25)	—	—	—
Issuance of common stock under employee stock purchase plan	443	5	14,786	—	—	14,791
Stock-based compensation	—	—	122,308	—	—	122,308
Other comprehensive loss	—	—	—	(1,045)	—	(1,045)
Net loss	—	—	—	—	(92,222)	(92,222)
Balance at December 31, 2022	<u>113,056</u>	<u>\$ 1,131</u>	<u>\$1,017,837</u>	<u>\$ (1,351)</u>	<u>\$ (746,751)</u>	<u>\$ 270,866</u>

The accompanying notes are an integral part of these consolidated financial statements.

TENABLE HOLDINGS, INC.
CONSOLIDATED STATEMENTS OF CASH FLOWS

(in thousands)	Year Ended December 31,		
	2022	2021	2020
Cash flows from operating activities:			
Net loss	\$ (92,222)	\$ (46,677)	\$ (42,731)
Adjustments to reconcile net loss to net cash provided by operating activities:			
Deferred income taxes	(2,781)	(10,468)	161
Depreciation and amortization	22,194	16,170	10,633
Stock-based compensation	120,633	79,405	59,573
Other	5,504	3,915	1,071
Changes in operating assets and liabilities:			
Accounts receivable	(51,256)	(17,228)	(20,012)
Prepaid expenses and other assets	(2,929)	(46,207)	(19,372)
Accounts payable, accrued expenses and accrued compensation	409	24,330	(5,282)
Deferred revenue	132,622	92,486	71,383
Other current and noncurrent liabilities	(1,023)	1,039	8,808
Net cash provided by operating activities	131,151	96,765	64,232
Cash flows from investing activities:			
Purchases of property and equipment	(9,359)	(3,887)	(18,882)
Capitalized software development costs	(9,789)	(2,674)	(1,395)
Purchases of short-term investments	(266,693)	(282,438)	(184,516)
Sales and maturities of short-term investments	234,569	160,874	209,148
Purchases of other investments	(10,000)	(5,000)	—
Business combinations, net of cash acquired	(66,767)	(258,465)	(276)
Net cash (used in) provided by investing activities	(128,039)	(391,590)	4,079
Cash flows from financing activities:			
Payments on term loan	(3,750)	—	—
Proceeds from term loan	—	375,000	—
Credit facility issuance costs	—	(9,348)	(333)
Proceeds from stock issued in connection with the employee stock purchase plan	14,791	13,736	13,040
Proceeds from the exercise of stock options	11,721	18,268	21,709
Other financing activities	556	(10)	1,987
Net cash provided by financing activities	23,318	397,646	36,403
Effect of exchange rate changes on cash and cash equivalents and restricted cash	(3,835)	(3,013)	(916)
Net increase in cash and cash equivalents and restricted cash	22,595	99,808	103,798
Cash and cash equivalents and restricted cash at beginning of year	278,271	178,463	74,665
Cash and cash equivalents and restricted cash at end of year	\$ 300,866	\$ 278,271	\$ 178,463
Supplemental disclosure of cash flow information:			
Cash paid for interest	\$ 16,047	\$ 4,978	\$ 335
Cash paid for income taxes, net of refunds	10,582	6,481	5,729
Supplemental cash flow information related to leases:			
Cash payments for operating leases	\$ 6,113	\$ 7,657	\$ 8,807

The accompanying notes are an integral part of these consolidated financial statements.

TENABLE HOLDINGS, INC.
NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

1. Business and Summary of Significant Accounting Policies

Business Description

Tenable Holdings, Inc. (the “Company,” “we,” “us,” or “our”) is a provider of exposure management solutions, which is an effective discipline for managing, measuring and comparing cybersecurity risk in today's complex IT environments. Our solutions provide broad visibility into security issues such as vulnerabilities, misconfigurations, internal and regulatory compliance violations and other indicators of the state of an organization's security across IT infrastructure and applications, cloud environments, Active Directory and industrial internet of things and operational technology environments.

Basis of Presentation

The accompanying consolidated financial statements include the accounts of Tenable Holdings, Inc. and our wholly owned subsidiaries and have been prepared in conformity with United States generally accepted accounting principles (“GAAP”). All intercompany accounts and transactions have been eliminated in consolidation.

Use of Estimates

The preparation of consolidated financial statements in conformity with GAAP requires management to make estimates and assumptions that affect the amounts reported in the consolidated financial statements and accompanying notes. These estimates include, but are not limited to, the determination of the estimated economic life of perpetual licenses for revenue recognition, the estimated period of benefit for deferred commissions, the useful lives of long-lived assets, the fair value of acquired intangible assets, the valuation of stock-based compensation, the incremental borrowing rate for operating leases and the valuation of deferred tax assets and investments. We base these estimates on historical experience and on various other assumptions that we believe to be reasonable. Actual results could differ significantly from these estimates.

Foreign Currency

The functional currency for all of our foreign subsidiaries is the U.S. dollar. Assets and liabilities denominated in other currencies are remeasured into U.S. dollars at current exchange rates for monetary assets and liabilities and at historical exchange rates for non-monetary assets and liabilities. We bill our customers in U.S. dollars. Expenses incurred in non U.S. dollar currencies are remeasured into U.S. dollars when incurred. Remeasurement losses in currencies other than the functional currency were \$4.8 million, \$1.9 million and \$1.7 million in 2022, 2021 and 2020, respectively, and are included as a component of other expense, net in the consolidated statements of operations.

Revenue Recognition

We recognize revenue in order to depict the transfer of promised goods or services to customers in an amount that reflects the consideration we expect to be entitled in exchange for those goods or services. To achieve this, we apply the following steps:

- Identify the contract with a customer
- Identify the performance obligations in the contract

- Determine the transaction price
- Allocate the transaction price to the performance obligations in the contract
- Recognize revenue when or as performance obligations are satisfied

In situations where we enter into a contractual arrangement that includes non-standard terms and conditions, such as acceptance provisions or options to purchase additional products and services, as well as contract modifications, we apply judgment in identifying and assessing the impact on revenue recognition.

We generate revenue from subscription arrangements for software and cloud-based solutions, perpetual licenses, maintenance associated with perpetual licenses, and professional services and other revenue. We begin to recognize revenue when control of our software or services is transferred to the customer, which for sales made through distributors is concurrent with the transfer to the end user.

Subscription Revenue

Subscription arrangements generally have annual or multi-year contractual terms and allow customers to use our software or cloud solutions. For our software subscriptions that are dependent on ongoing software updates and the ability to identify the latest cybersecurity vulnerabilities, revenue is recognized ratably over the subscription term given the critical utility provided by the ongoing updates that are released throughout the contract period. When the critical utility of our software does not depend on ongoing updates, we recognize revenue attributable to the license at the time of delivery and the revenue attributable to the maintenance and support ratably over the contract period.

Perpetual License and Maintenance Revenue

Our perpetual licenses are generally sold with one or more years of maintenance, which include ongoing software updates and the ongoing ability to identify the latest cybersecurity vulnerabilities. Given the critical utility provided by the ongoing software updates and updated ability to identify network vulnerabilities included in maintenance, we combine the perpetual license and the maintenance into a single performance obligation. Perpetual license arrangements generally contain a material right related to the customer's ability to renew maintenance at a price that is less than the initial license fee. We apply a practical alternative to allocating a portion of the transaction price to the material right performance obligation and estimate a hypothetical transaction price which includes fees for expected maintenance renewals based on the estimated economic life of the perpetual license contracts. We allocate the transaction price between the cybersecurity subscription provided in the initial contract and the material right related to expected contract renewals based on the hypothetical transaction price. We recognize the amount allocated to the combined license and maintenance performance obligation over the initial contractual period, which is generally one year. We recognize the amount allocated to the material right over the expected maintenance renewal period, which begins at the end of the initial contractual term and is generally four years. We have estimated the five-year economic life of perpetual license contracts based on historical contract attrition, expected renewal periods, the lifecycle of our technology and other factors. While we believe that the estimates we have made are reasonable and appropriate, different assumptions and estimates could materially impact our reported financial results.

Professional Services and Other Revenue

Professional services and other revenue is primarily comprised of advisory services and training related to the deployment and optimization of our products. These services do not result in significant

customization of our products. Professional services and other revenue is recognized as the services are performed.

Contracts with Multiple Performance Obligations

In cases where our contracts with customers contain multiple performance obligations, the contract transaction price is allocated on a relative standalone selling price basis. We typically determine standalone selling price based on observable selling prices of our products and services.

Variable Consideration

We record revenue from sales at the net sales price, which is the transaction price, including estimates of variable consideration when applicable. Certain of our customers may be entitled to receive credits and in limited circumstances, refunds, if service level commitments are not met. We have not historically experienced significant incidents affecting the ability to meet these service level commitments and any estimated refunds related to these agreements have not been material.

Sales through our channel network of distributors and resellers are generally discounted as compared to the price that we would sell to an end user. Revenue for sales through our channel network is recorded net of any distributor or reseller margin.

Cash and Cash Equivalents

We consider all highly liquid financial instruments with an original maturity of three months or less when purchased to be cash equivalents.

At December 31, 2022 and 2021, cash and cash equivalents included \$5.8 million of restricted cash primarily related to collateral for our outstanding letters of credit. At December 31, 2021, cash and cash equivalents excluded \$0.3 million of restricted cash, which is related to an account established as collateral for a lease arrangement and is included in other assets on the consolidated balance sheets.

Fair Value of Financial Instruments

Fair value is defined as the price that would be received from selling an asset, or paid to transfer a liability, in an orderly transaction between market participants at the measurement date. We apply fair value accounting for all financial assets and liabilities that are recognized or disclosed at fair value in the financial statements on a recurring basis. We measure cash and cash equivalents and short-term investments at fair value using a fair value hierarchy of inputs. We approximate fair value by using the carrying amounts for accounts receivable, accounts payable and accrued expenses due to their short-term nature.

Investments

Short-term Investments

Our short-term investments include asset backed securities, certificates of deposit, commercial paper, corporate and supranational bonds, and U.S. treasury and agency obligations. Our investments are classified as available-for-sale and recorded at fair value, with unrealized gains and losses reported in accumulated other comprehensive (loss) income within stockholders' equity.

We classify investments with original maturities of less than 90 days as cash and cash equivalents. Investments with original maturities greater than 90 days, including those we do not currently intend on selling within the next twelve months, are classified as short-term investments as they are available for use in our operations.

We evaluate potential impairments of available-for-sale debt securities due to credit-related and non-credit-related factors, including market risk, and if it is more-likely-than-not that we would have to sell the security before the recovery of the amortized cost basis. Identified credit-related impairments would be recognized as a charge in the statement of operations.

Other Investments

Our other investments consist of non-marketable simple agreements for future equity ("SAFE") investments with privately held companies. These SAFE investments convert our investment value into preferred stock of the issuer upon a future equity financing or give us the right to redeem the investments upon a dissolution or liquidity event in the form of cash or common stock, and include customary investor protections and incentives, including information rights, pro-rata rights to participate in subsequent equity financings, and a right of first notice in the event of a potential acquisition of the issuer. We have elected to apply the measurement alternative and record these SAFE investments at cost, less any impairment, plus or minus observable price changes for similar investments of the same issuer. At December 31, 2022 and 2021, we had \$15.0 million and \$5.0 million, respectively, which are included in other assets on our consolidated balance sheets. No material events impacted the carrying value of our SAFE investments in 2022 or 2021.

Accounts Receivable

Accounts receivable are recorded at the invoiced amount, less an allowance for doubtful accounts, and do not bear interest. We maintain an allowance for doubtful accounts at an amount estimated to be sufficient to cover the risk of collecting less than full payment of the receivables. At each balance sheet date, we evaluate our receivables and assess the allowance for doubtful accounts based on specific customer collection issues and historical write-off trends.

Our allowance for doubtful accounts reflects our best estimate of expected future credit losses. We consider various factors that may impact our ability to collect on accounts receivable, including our historical collection experience, age of accounts receivable balances, current conditions, reasonable and supportable forecasts of future economic conditions, as well as other factors, however, these estimates may change and future credit losses may differ from our estimates. Expected credit losses from accounts receivable are recognized as expense in our statement of operations.

Deferred Commissions

Sales commissions, including related fringe benefit costs, are considered to be incremental costs of obtaining a contract. Sales commissions on initial sales are not commensurate with sales commissions on contract renewals and therefore are recognized over an estimated period of benefit, which ranges between three and four years for subscription arrangements and five years for perpetual license arrangements. We estimated the period of benefit based on the expected contract term including renewal periods, the lifecycle of our technology, and other factors. Sales commissions on contract renewals are capitalized and amortized ratably over the contract term as part of sales and marketing expense, with the exception of contracts with renewal periods that are one year or less, in which case the incremental costs are expensed as incurred.

Property and Equipment, net

Property and equipment, net is stated at historical cost less accumulated depreciation. Depreciation is computed using the straight-line method over the estimated useful lives of the assets: three years for computer software and equipment and five years for furniture and fixtures. Leasehold improvements are amortized using the straight-line method over the shorter of the estimated useful lives of the assets or the terms of the respective leases. Property and equipment, net includes right-of-use assets acquired under finance leases. Amortization of assets acquired under finance leases is included in depreciation expense. Repairs and maintenance costs are expensed as incurred.

Leases

We determine if an arrangement contains a lease and the classification of that lease, if applicable, at inception. We have elected to not recognize a lease liability or right-of-use ("ROU") asset for short-term leases (leases with a term of twelve months or less). For contracts with lease and non-lease components, we have elected to not allocate the contract consideration, and account for the lease and non-lease components as a single lease component. Additionally, we enter into arrangements to use shared office spaces and other facilities, and have determined that these arrangements do not contain leases as we do not have the right to use an identified asset. Operating leases are included in operating lease ROU assets, operating lease liabilities and operating lease liabilities (net of current portion) in our consolidated balance sheets. Finance leases are included in property and equipment, other current liabilities and other liabilities in our consolidated balance sheets.

ROU assets represent our right to use an underlying asset for the lease term and lease liabilities represent our obligation to make lease payments under the lease. Operating lease ROU assets and liabilities are recognized at the lease commencement date based on the present value of lease payments over the lease term. The implicit rate within our operating leases are generally not determinable and we use our incremental borrowing rate at the lease commencement date to determine the present value of lease payments. The determination of our incremental borrowing rate requires judgment. We determine our incremental borrowing rate for each lease using our current borrowing rate, adjusted for various factors including level of collateralization, term and currency to align with the terms of the lease. The operating lease ROU asset also includes any lease prepayments, offset by lease incentives. Certain of our leases include options to extend or terminate the lease. An option to extend the lease is considered in connection with determining the ROU asset and lease liability when it is reasonably certain we will exercise that option. An option to terminate is considered unless it is reasonably certain we will not exercise the option.

Lease expense for lease payments is recognized on a straight-line basis over the term of the lease.

Impairment of Long-Lived Assets

We evaluate our long-lived assets for impairment whenever events or changes in circumstance indicate that the carrying amount may not be fully recoverable. Recoverability of the long-lived assets is measured by a comparison of the carrying amount of the assets to future undiscounted net cash flows expected to be generated by the assets. If such assets are considered to be impaired, the impairment to be recognized is measured as the excess of the carrying amount over the fair value. There was no impairment of long-lived assets in 2022, 2021 or 2020.

Business Combinations

We account for business combinations by recognizing the fair value of acquired assets and

liabilities. The excess purchase consideration over the fair value of acquired assets and liabilities is recorded as goodwill. When determining the fair value of assets acquired and liabilities assumed, a non-recurring Level 3 fair value measurement, we make estimates and assumptions, especially with respect to intangible assets such as identified acquired technology and trade names. We determine the fair value of acquired technology using the multi-period excess earnings method, a form of the income approach. Estimates in valuing identifiable intangible assets include, but are not limited to, projected revenue growth rates, obsolescence projections and an appropriate discount rate. Our estimate of fair value is based upon assumptions we believe to be reasonable, but which are inherently uncertain and, as a result, actual results may differ from estimates. During the measurement period, we may make adjustments to the fair value of assets acquired and liabilities assumed, with offsetting adjustments to goodwill. Any adjustments made after the measurement period will be reflected in the consolidated statements of operations. Acquisition-related transaction costs are expensed as incurred.

Goodwill

The excess of the purchase consideration over the fair value of acquired assets and liabilities is recorded as goodwill. We perform our annual impairment assessment on October 1, or more frequently, when events or circumstances indicate impairment may have occurred. We operate as one reporting unit and have elected to first assess qualitative factors to determine whether it is more likely than not that the fair value of the Company as a whole is less than its carrying amount, including goodwill. The qualitative assessment includes an evaluation of relevant events and circumstances, including macroeconomic, industry and market conditions, our overall financial performance, and trends in the value of our common stock. During the periods presented, there were no indications of impairment and it was not more likely than not that goodwill was impaired.

Common Stock

Our Amended and Restated Certificate of Incorporation authorized 500,000,000 shares of common stock and 10,000,000 shares of preferred stock. There were no shares of preferred stock issued or outstanding at December 31, 2022 or 2021. The voting, dividend, and liquidation rights of common stockholders are subject to, and qualified by, the rights of preferred stockholders. The common stockholders are entitled to receive dividends when, as and if, declared by the Board of Directors, subject to preferential dividend rights of preferred stockholders. Upon dissolution or liquidation, our common stockholders will be entitled to receive all assets available for distribution to stockholders, subject to any preferential rights of preferred stockholders.

Advertising

Advertising costs are expensed as they are incurred. We incurred advertising costs of \$13.6 million in 2022 and 2021 and \$8.2 million in 2020, which are included in sales and marketing expense in the consolidated statements of operations.

Software Development Costs

Research and development costs to develop software to be sold, leased or marketed are expensed as incurred up to the point of technological feasibility for the related software product. We have not capitalized development costs for software to be sold, leased or marketed to date, as the software development process is essentially completed concurrent with the establishment of technological feasibility. As such, these costs are expensed as incurred and recognized in research and development costs in the consolidated statements of operations.

Software developed for internal use, with no substantive plans to market such software at the time of development, are capitalized and included in property and equipment, net in the consolidated balance sheets. Costs incurred during the preliminary planning and evaluation and post implementation stages of the project are expensed as incurred. Costs incurred during the application development stage of the project are capitalized. In 2022, 2021 and 2020, we capitalized \$11.5 million, \$2.9 million and \$1.6 million, respectively, of development costs related to internal use software, including capitalized stock-based compensation of \$1.7 million in 2022 and \$0.2 million in 2021 and 2020.

Stock-Based Compensation

Stock-based compensation expense related to restricted stock units ("RSUs"), purchase rights issued under our 2018 Employee Stock Purchase Plan ("2018 ESPP"), stock options and restricted stock is calculated based on the fair value of the awards granted and is recognized on a straight-line basis over the requisite service period, which is generally two to four years. Our performance stock units ("PSUs") vest over a period of 4 years and are subject to defined performance and service conditions. Our PSUs and RSUs that include performance-based vesting conditions are expensed using the accelerated attribution method. We account for forfeitures as they occur.

The fair value of RSUs and PSUs is based on the market price of our common stock on the date of grant. The fair value of stock options and 2018 ESPP purchase rights is estimated on the grant date using the Black-Scholes option pricing model, which requires us to make assumptions and judgments, including the expected term, expected volatility, and risk-free interest rates. Following our IPO, we use the market price of our common stock at the date of grant. Prior to our IPO, we estimated the fair value of our common stock at the date of grant.

Net Loss per Share

We calculate basic net loss per share by dividing the net loss by the weighted-average number of shares of common stock outstanding during the period.

Diluted earnings per share is computed by giving effect to all potentially dilutive common stock equivalents in the period, including unvested RSUs, PSUs, stock options, unvested restricted shares and shares to be issued under our 2018 ESPP. As we have reported losses for all periods presented, all potentially dilutive securities have been excluded from the calculation of diluted net loss per share as their effect would be antidilutive.

Segment Information

We operate as one operating segment as our chief executive officer, who is our chief operating decision maker, reviews financial information on a consolidated basis for purposes of making operating decisions, allocating resources, and evaluating financial performance.

Income Taxes

Income taxes are accounted for under the asset and liability method. This method requires recognition of deferred tax assets and liabilities for the expected future tax consequences of temporary differences between the financial statement carrying amounts and the tax basis of existing assets and liabilities, net operating loss carryforwards, and tax credit carryforwards. A valuation allowance is provided if it is more likely than not that some or all of the deferred tax assets will not be realized.

We recognize tax benefits from an uncertain tax position if it is more likely than not to be sustained upon audit by the relevant taxing authority. Interest and penalties associated with such uncertain tax positions are classified as a component of income tax expense.

2. Revenue

Disaggregation of Revenue

The following table presents a summary of revenue:

(in thousands)	Year Ended December 31,		
	2022	2021	2020
Subscription revenue	\$ 612,510	\$ 476,023	\$ 377,354
Perpetual license and maintenance revenue	50,699	50,333	50,594
Professional services and other revenue	19,982	14,774	12,273
Revenue	<u>\$ 683,191</u>	<u>\$ 541,130</u>	<u>\$ 440,221</u>

Concentrations

We sell and market our products and services through our field sales force that works closely with our channel partners, which includes a network of distributors and resellers, in developing sales opportunities. We use a two-tiered channel model whereby we sell our products and services to our distributors, which in turn sell to resellers, which then sell to end users. Revenue derived through our channel network comprised 92% of revenue in 2022 and 2021 and 91% of revenue in 2020. One of our distributors accounted for 38%, 39% and 43% of revenue in 2022, 2021 and 2020, respectively. That same distributor accounted for 36% and 32% of accounts receivable at December 31, 2022 and 2021, respectively.

Contract Balances

We generally bill our customers in advance and accounts receivable are recorded when we have the right to invoice the customer. Contract liabilities consist of deferred revenue and include customer billings and payments received in advance of performance under the contract. In 2022, 2021 and 2020, we recognized revenue of \$407.5 million, \$329.0 million and \$274.3 million, respectively, that was included in the deferred revenue balance at the beginning of each of the respective periods.

Remaining Performance Obligations

At December 31, 2022, the future estimated revenue related to unsatisfied performance obligations was \$680.4 million, of which approximately 75% is expected to be recognized as revenue over the succeeding twelve months, and the remainder is expected to be recognized over the four years thereafter.

Deferred Commissions

The following summarizes the activity of deferred incremental costs of obtaining a contract:

(in thousands)	Year Ended December 31,	
	2022	2021
Beginning balance	\$ 99,949	\$ 78,876
Capitalization of contract acquisition costs	57,214	58,196
Amortization of deferred contract acquisition costs	(45,655)	(37,123)
Ending balance	<u>\$ 111,508</u>	<u>\$ 99,949</u>

3. Cash Equivalents and Short-Term Investments

The following tables summarize the amortized cost, unrealized gain and loss and estimated fair value of cash equivalents and short-term investments:

(in thousands)	December 31, 2022			
	Amortized Cost	Unrealized Gain	Unrealized Loss	Estimated Fair Value
Cash equivalents				
Money market funds	\$ 201,476	\$ —	\$ —	\$ 201,476
Total cash equivalents	<u>\$ 201,476</u>	<u>\$ —</u>	<u>\$ —</u>	<u>\$ 201,476</u>
Short-term investments				
Commercial paper	\$ 144,093	\$ 2	\$ (377)	\$ 143,718
Corporate bonds	37,778	—	(194)	37,584
Asset backed securities	19,723	11	(161)	19,573
Certificates of deposit	10,000	—	—	10,000
Supranational bonds	4,017	—	(67)	3,950
U.S. Treasury and agency obligations	52,309	—	(565)	51,744
Total short-term investments	<u>\$ 267,920</u>	<u>\$ 13</u>	<u>\$ (1,364)</u>	<u>\$ 266,569</u>

(in thousands)	December 31, 2021			
	Amortized Cost	Unrealized Gain	Unrealized Loss	Estimated Fair Value
Cash equivalents				
Money market funds	\$ 178,518	\$ —	\$ —	\$ 178,518
Total cash equivalents	\$ 178,518	\$ —	\$ —	\$ 178,518
Short-term investments				
Commercial paper	\$ 134,165	\$ —	\$ (47)	\$ 134,118
Corporate bonds	27,169	—	(41)	27,128
Asset backed securities	27,464	—	(53)	27,411
Certificates of deposit	10,000	—	(8)	9,992
Supranational bonds	8,632	—	(33)	8,599
U.S. Treasury and agency obligations	27,168	—	(124)	27,044
Total short-term investments	\$ 234,598	\$ —	\$ (306)	\$ 234,292

We considered the extent to which any unrealized losses on our short-term investments were driven by credit risk and other factors, including market risk, and if it is more-likely-than-not that we would have to sell the security before the recovery of the amortized cost basis. At December 31, 2022 and 2021, our unrealized losses were due to rising market interest rates compared to when the investments were initiated. We do not believe any unrealized losses represent credit losses, and it is unlikely we would sell the investments before we would recover their amortized cost basis.

The contractual maturities of our short-term investments are as follows:

(in thousands)	December 31, 2022		December 31, 2021	
	Amortized Cost	Estimated Fair Value	Amortized Cost	Estimated Fair Value
Due within one year	\$ 243,430	\$ 242,129	\$ 195,579	\$ 195,453
Due between one and four years	24,490	24,440	39,019	38,839
Total short-term investments	\$ 267,920	\$ 266,569	\$ 234,598	\$ 234,292

4. Fair Value Measurements

We measure certain financial instruments at fair value using a fair value hierarchy. In the hierarchy, assets are classified based on the lowest level inputs used in valuation into the following categories:

- *Level 1* — Quoted prices in active markets for identical assets and liabilities;
- *Level 2* — Observable inputs including quoted market prices for similar assets and liabilities in active markets, quoted prices for identical assets and liabilities in inactive markets, or inputs that are corroborated by observable market data; and
- *Level 3* — Unobservable inputs.

The following tables summarize assets that are measured at fair value:

(in thousands)	December 31, 2022			
	Level 1	Level 2	Level 3	Total
Cash equivalents				
Money market funds	\$ 201,476	\$ —	\$ —	\$ 201,476
Total cash equivalents	<u>\$ 201,476</u>	<u>\$ —</u>	<u>\$ —</u>	<u>\$ 201,476</u>
Short-term investments				
Commercial paper	\$ —	\$ 143,718	\$ —	\$ 143,718
Corporate bonds	—	37,584	—	37,584
Asset backed securities	—	19,573	—	19,573
Certificates of deposit	—	10,000	—	10,000
Supranational bonds	—	3,950	—	3,950
U.S. Treasury and agency obligations	—	51,744	—	51,744
Total short-term investments	<u>\$ —</u>	<u>\$ 266,569</u>	<u>\$ —</u>	<u>\$ 266,569</u>

(in thousands)	December 31, 2021			
	Level 1	Level 2	Level 3	Total
Cash equivalents				
Money market funds	\$ 178,518	\$ —	\$ —	\$ 178,518
Total cash equivalents	<u>\$ 178,518</u>	<u>\$ —</u>	<u>\$ —</u>	<u>\$ 178,518</u>
Short-term investments				
Commercial paper	\$ —	\$ 134,118	\$ —	\$ 134,118
Corporate bonds	—	27,128	—	27,128
Asset backed securities	—	27,411	—	27,411
Certificates of deposit	—	9,992	—	9,992
Supranational bonds	—	8,599	—	8,599
U.S. Treasury and agency obligations	—	27,044	—	27,044
Total short-term investments	<u>\$ —</u>	<u>\$ 234,292</u>	<u>\$ —</u>	<u>\$ 234,292</u>

We did not have any liabilities measured and recorded at fair value on a recurring basis at December 31, 2022 and 2021.

5. Property and Equipment, Net

Property and equipment, net consisted of the following:

(in thousands)	December 31,	
	2022	2021
Computer software and equipment	\$ 21,676	\$ 17,188
Internally developed software	23,479	12,015
Furniture and fixtures	5,940	5,944
Leasehold improvements	28,214	26,713
Right-of-use assets under finance leases	748	1,343
Total	80,057	63,203
Less: accumulated depreciation and amortization	(33,331)	(26,370)
Property and equipment, net	\$ 46,726	\$ 36,833

Depreciation and amortization related to property and equipment was \$10.8 million, \$9.5 million and \$8.1 million in 2022, 2021 and 2020, respectively.

6. Acquisitions, Goodwill and Intangible Assets

Business Combinations

In June 2022, we acquired Bit Discovery, a leader in external attack surface management (EASM). Adding Bit Discovery's EASM capabilities to our solutions provides customers with a comprehensive view of their attack surface and helps identify and eliminate areas of risk. We acquired 100% of Bit Discovery's equity for \$43.8 million in cash, net of cash acquired of \$2.0 million, through a share purchase agreement.

In February 2022, we acquired Cymptom, a platform that proactively measures, maps and prioritizes probable attack paths, and enables security teams to preemptively focus response ahead of and during breaches. Through a share purchase agreement, we acquired 100% of Cymptom's equity in exchange for cash consideration, net of cash acquired, for \$23.0 million.

In October 2021, we acquired Accurics. Accurics delivers cloud-native security for DevOps and security teams. This acquisition expanded our broader cloud strategy to include the holistic assessment and automated remediation of policy violations and breach paths before the infrastructure is provisioned and throughout its lifecycle. We acquired 100% of the equity in exchange for cash consideration of \$160.0 million, net of cash acquired of \$9.6 million.

In April 2021, we acquired Alsid, which expanded our product offerings to include active directory security. Active directory is the basis for managing user permissions across on-premises and hybrid cloud deployments and is foundational to the security of cloud workloads, security remote work, and adopting zero trust architectures. Through a share purchase agreement, we acquired 100% of Alsid's equity in exchange for cash consideration of \$98.5 million, net of cash acquired of \$3.3 million.

Cash consideration, net of cash acquired, was allocated as follows:

(in thousands)	Accurics	Alsid	Bit Discovery	Cymptom
Intangible assets	\$ 33,390	\$ 31,400	\$ 11,100	\$ 4,113
Goodwill	134,909	72,291	35,946	18,960
Other liabilities, net	(386)	(1,084)	(779)	(241)
Deferred tax (liabilities) assets, net	(7,937)	(4,118)	(2,460)	128
Total purchase price allocation	<u>\$ 159,976</u>	<u>\$ 98,489</u>	<u>\$ 43,807</u>	<u>\$ 22,960</u>

We are still finalizing the allocations of the purchase price, which may change as additional information becomes available related to income taxes for Bit Discovery.

Acquired intangible assets and their estimated useful lives at the date of acquisition are as follows:

(dollars in thousands)	Accurics		Alsid		Bit Discovery		Cymptom	
	Cost	Estimated Useful Life						
Acquired technology	\$33,300	10 years	\$31,300	7 years	\$11,000	7 years	\$ 4,113	7 years
Trade name	90	2 years	100	1 year	100	1 year	—	
Acquired intangible assets	<u>\$33,390</u>		<u>\$31,400</u>		<u>\$11,100</u>		<u>\$ 4,113</u>	

The results of operations of Accurics, Alsid, Bit Discovery and Cymptom are included in our consolidated statements of operations from the applicable acquisition dates and were not material. Pro forma results of operations are not presented as they are not material to the consolidated statements of operations.

We recognized acquisition-related transaction costs, primarily in general and administrative expense, of \$2.6 million, \$6.9 million and \$0.3 million in 2022, 2021 and 2020, respectively.

Goodwill and Acquired Intangible Assets

The changes in the carrying amount of goodwill are as follows:

(in thousands)	
Balance at December 31, 2021	\$ 261,614
Acquired goodwill	54,906
Balance at December 31, 2022	<u>\$ 316,520</u>

The excess purchase consideration over the fair value of acquired assets and liabilities is recorded as goodwill. The acquired goodwill reflects the synergies we expect from marketing and selling these new capabilities from Accurics, Alsid, Bit Discovery and Cymptom to our customers. The acquired goodwill is not tax deductible.

Acquired intangible assets subject to amortization are as follows:

	December 31, 2022			December 31, 2021		
	Gross Carrying Amount	Accumulated Amortization	Net Carrying Amount	Gross Carrying Amount	Accumulated Amortization	Net Carrying Amount
Acquired technology	\$ 97,037	\$ (21,738)	\$ 75,299	\$ 81,924	\$ (10,499)	\$ 71,425
Trade name	490	(413)	77	390	(279)	111
	<u>\$ 97,527</u>	<u>\$ (22,151)</u>	<u>\$ 75,376</u>	<u>\$ 82,314</u>	<u>\$ (10,778)</u>	<u>\$ 71,536</u>

Amortization of acquired intangible assets was \$11.4 million, \$6.4 million and \$2.3 million in 2022, 2021 and 2020, respectively. At December 31, 2022, our acquired intangible assets are expected to be amortized over an estimated weighted average period of 6.7 years.

At December 31, 2022, estimated future amortization of intangible assets is as follows:

(in thousands)

Year ending December 31,	
2023	\$ 12,252
2024	12,175
2025	12,175
2026	11,990
2027	9,960
Thereafter	16,824
Total	<u>\$ 75,376</u>

7. Leases

We have operating leases for office facilities and finance leases for office equipment. Our leases have remaining terms of just over one year to just over nine years, some of which include one or more options to renew, with renewal terms up to five years and some of which include options to terminate the leases within the next one to three years. The ROU assets and liabilities at December 31, 2022 assume we exercise the option to early terminate one of our leases in 2025.

The components of lease expense were as follows:

(in thousands)	Year Ended December 31,		
	2022	2021	2020
Operating lease cost	<u>\$ 7,550</u>	<u>\$ 7,634</u>	<u>\$ 9,870</u>

Rent expense for short-term leases and finance lease costs in 2022, 2021 and 2020 were not material.

Supplemental information related to leases was as follows:

	December 31, 2022	December 31, 2021
Operating leases		
Weighted average remaining lease term	8.2 years	9.2 years
Weighted average discount rate	5.6%	5.5%

(in thousands)	Year Ended December 31,		
	2022	2021	2020
ROU assets obtained in exchange for lease obligations			
Operating leases	\$ 4,256	\$ 3,137	\$ 3,188

In 2022, 2021 and 2020, we did not obtain any right-of-use assets in exchange for finance lease liabilities.

In 2020, we received proceeds from lease incentives of \$14.2 million. The proceeds from lease incentives received are included with the change in the lease liabilities under the other current and noncurrent liabilities caption in the operating activities section of the statement of cash flows.

Maturities of operating lease liabilities at December 31, 2022 were as follows:

(in thousands)	
Year ending December 31,	
2023	\$ 8,879
2024	9,251
2025	9,023
2026	8,321
2027	7,849
Thereafter	30,262
Total lease payments	73,585
Less: Imputed interest	(15,153)
Total	<u>\$ 58,432</u>

8. Debt

Credit Agreement

In July 2021, we entered into a credit agreement ("Credit Agreement") which is comprised of:

- a \$375.0 million senior secured term loan facility ("Term Loan"); and
- a \$50.0 million senior secured revolving credit facility ("Revolving Credit Facility").

The table below summarizes the carrying value of the Term Loan:

(in thousands)	December 31, 2022
Term loan	\$ 371,250
Less: Unamortized debt discount and issuance costs	(6,558)
Term loan, net of issuance costs	364,692
Less: Term loan, net, current ⁽¹⁾	(2,722)
Term loan, net of issuance costs (net of current portion)	<u>\$ 361,970</u>

(1) Term loan, net, current is included in other current liabilities on our consolidated balance sheets.

The Term Loan bears interest at a rate of 2.75% per annum over LIBOR, subject to a 0.50% floor. The Term Loan is being amortized at 1% per annum in equal quarterly installments until the final payment of \$350.6 million on the July 7, 2028 maturity date.

Our Term Loan is recorded at its carrying value. At December 31, 2022, the fair value of our Term Loan was approximately \$360.1 million. In the fair value hierarchy, our Term Loan is classified as Level 2 as it is traded in less active markets.

The maturities of the Term Loan at December 31, 2022 were as follows:

(in thousands)	
Year ending December 31,	
2023	\$ 3,750
2024	3,750
2025	3,750
2026	3,750
2027	3,750
Thereafter	352,500
Total	<u>\$ 371,250</u>

We may be subject to mandatory Term Loan prepayments related to the excess cash flow provisions beginning in 2023. These prepayments would only be required if our first lien net leverage ratio (as defined in our Credit Agreement) exceeds 3.5, and at December 31, 2022, our first lien net leverage ratio was below that threshold.

The Revolving Credit Facility bears interest at a rate, depending on first lien net leverage, ranging from 2.00% to 2.50% over LIBOR and matures on July 7, 2026. Additionally, we pay a commitment fee during the term ranging from 0.25% to 0.375% per annum of the average daily undrawn portion of the revolving commitments based on the first lien net leverage ratio. The Revolving Credit Facility contains a \$15.0 million letter of credit sublimit.

The Credit Agreement contains certain customary events of default, which include failure to make payments when due, the material inaccuracy of representations or warranties, failure to observe or perform certain covenants, cross-defaults, bankruptcy and insolvency-related events, certain judgments, certain ERISA-related events, failure of any lien created under the Security Documents (as defined in the Credit Agreement) to be valid and perfected (subject to certain exceptions), failure of any material guarantee of the Loan Document Obligations (as defined in the Credit Agreement) to be in full force and effect and a Change of Control (as defined in the Credit Agreement).

The Credit Agreement is guaranteed by the Company and Tenable Public Sector LLC, a subsidiary of the Company, as guarantors, and is supported by a security interest in substantially all of the assets of Tenable, Inc. and the guarantors.

The Credit Agreement contains certain customary representations and warranties and affirmative and negative covenants, including certain restrictions on incurring additional indebtedness or guaranteeing indebtedness of others, creating liens on properties or assets, making certain investments, loans, advances and guarantees, selling assets, making certain restricted payments and entering into certain sale and leaseback transactions, affiliate transactions, restrictive agreements and asset and stock-based transactions. Additionally, if at least 35% of the Revolving Credit Facility is drawn on the last day of the quarter, the total net leverage ratio cannot be greater than 5.50 to 1.00. At December 31, 2022, we had \$0.2 million of standby letters of credit outstanding under our Revolving Credit Facility related to one of our operating leases. At December 31, 2022, we were in compliance with the covenants under the Credit Agreement.

9. Commitments and Contingencies

Commitments

In July 2021, we entered into a contract with Amazon Web Services, Inc. ("AWS") for cloud services from August 2021 through July 2024. Under the terms of the contract, we committed to spend \$43.7 million, \$46.8 million and \$50.1 million in contract years one, two and three, respectively, for a total of \$140.6 million. If we do not meet the minimum purchase obligation during any of those years, we will be required to pay the difference. We met our commitment for the first year of our contract with AWS, and as of December 31, 2022, we have spent \$44.7 million of our second year commitment.

Letters of Credit

At December 31, 2022, we had \$5.7 million of standby letters of credit related to our grant agreements with the State of Maryland and our operating leases. Collateral for \$5.5 million of our letters of credit was classified as restricted cash in cash and cash equivalents.

10. Stock-Based Compensation

In 2018, our Board of Directors adopted, and our stockholders approved, our 2018 Equity Incentive Plan ("2018 Plan"). Under the evergreen provision in the 2018 Plan, in January 2022 we reserved an additional 5.4 million shares of our common stock. At December 31, 2022, there were 21.5 million shares available for grant.

Stock-based compensation expense included in the consolidated statements of operations was as follows:

(in thousands)	Year Ended December 31,		
	2022	2021	2020
Cost of revenue	\$ 8,369	\$ 4,446	\$ 3,158
Sales and marketing	49,383	29,410	19,842
Research and development	31,499	20,593	14,794
General and administrative	31,382	24,956	21,779
Total stock-based compensation expense	<u>\$ 120,633</u>	<u>\$ 79,405</u>	<u>\$ 59,573</u>

At December 31, 2022, the unrecognized stock-based compensation expense related to unvested RSUs was \$251.2 million, which is expected to be recognized over an estimated weighted average remaining period of 2.8 years.

At December 31, 2022, the unrecognized stock-based compensation expense related to unvested PSUs was \$4.8 million, which is expected to be recognized over an estimated remaining weighted average period of 3.2 years.

At December 31, 2022, the unrecognized stock-based compensation expense related to our 2018 ESPP was \$13.2 million, which is expected to be recognized over an estimated weighted average period of 0.9 years.

Restricted Stock, RSUs and PSUs

A summary of our restricted stock, RSU and PSU activity is presented below:

(in thousands, except for per share data)	Restricted Stock		RSUs		PSUs	
	Number of Shares	Weighted Average Grant Date Fair Value	Number of Shares	Weighted Average Grant Date Fair Value	Number of Shares	Weighted Average Grant Date Fair Value
Unvested balance at December 31, 2019	495	\$ 4.25	2,894	\$ 26.34	—	\$ —
Granted	—	—	3,570	28.23	—	—
Vested	(396)	4.25	(1,504)	25.37	—	—
Forfeited	—	—	(470)	26.68	—	—
Unvested balance at December 31, 2020	99	4.25	4,490	28.13	—	—
Granted	—	—	3,842	43.57	—	—
Vested	(99)	4.25	(1,872)	28.14	—	—
Forfeited	—	—	(679)	33.64	—	—
Unvested balance at December 31, 2021	—	—	5,781	37.74	—	—
Granted	—	—	4,653	45.83	209	44.97
Vested	—	—	(2,510)	36.47	—	—
Forfeited	—	—	(1,030)	40.45	(13)	44.97
Unvested balance at December 31, 2022	—	—	6,894	43.26	196	44.97

Stock Options

A summary of our stock option activity is below:

(in thousands, except for per share data and years)	Number of Shares	Weighted Average Exercise Price	Weighted-Average Remaining Contractual Term (in years)	Aggregate Intrinsic Value
Outstanding at December 31, 2019	12,939	\$ 8.38	7.1	\$ 201,608
Granted	—	—		
Exercised	(2,956)	7.34		73,277
Forfeited/canceled	(542)	10.80		
Outstanding at December 31, 2020	9,441	8.56	6.4	412,547
Granted	—	—		
Exercised	(2,671)	6.84		111,256
Forfeited/canceled	(39)	14.96		
Outstanding at December 31, 2021	6,731	9.21	5.5	308,677
Granted	—	—		
Exercised	(1,174)	9.98		47,880
Forfeited/canceled	(72)	16.15		
Outstanding and exercisable at December 31, 2022	5,485	8.96	4.5	160,135

At December 31, 2022, there were 5.5 million stock options outstanding that were vested and expected to vest.

Stock options granted under our stock incentive plans have a maximum term of ten years, generally vest over a period of three to four years, and the exercise price cannot be less than the fair market value on the date of grant.

Estimating the fair value of stock options and ESPP purchase rights using the Black-Scholes option-pricing model requires assumptions as to the fair value of common stock, expected term, expected volatility, the risk-free interest rate and the expected dividend yield.

Fair Value of Common Stock. Following our IPO, we use the market price of our common stock at the date of grant. Prior to our IPO, the lack of an active public market for our common stock required an estimate of the fair value of the common stock for granting stock options and restricted shares, and for determining stock-based compensation expense. Contemporaneous third-party valuations were obtained to assist in determining the fair value of our common stock. The contemporaneous valuations were performed in accordance with applicable methodologies, approaches and assumptions of the technical practice-aid issued by the American Institute of Certified Public Accountants Practice Aid entitled *Valuation of Privately-Held Company Equity Securities Issued as Compensation*.

Expected Term. This is the period of time that the options granted are expected to remain unexercised. We used the simplified method to calculate the average expected term for stock options. We use the actual purchase periods as the expected term in the 2018 ESPP.

Expected Volatility. Volatility is a measure of the amount by which a financial variable, such as a share price, has fluctuated (historical volatility) or is expected to fluctuate (expected volatility) during a period. In 2021, we began using the volatility of our common stock to calculate expected volatility. Prior to 2021, we identified several public entities of similar size, complexity, and stage of development and estimated our volatility based on the volatility of the common stock of these companies.

Risk-Free Interest Rate. This is the U.S. Treasury rate, having a term that most closely resembles the expected life of the stock option.

Expected Dividend Yield. We have never declared or paid dividends and have no plans to do so in the foreseeable future.

2018 Employee Stock Purchase Plan

In 2018, our Board of Directors adopted, and our stockholders approved, our 2018 ESPP. Under the evergreen provision, in January 2022 we reserved an additional 1.6 million shares of our common stock for issuance. At December 31, 2022, there were 7.5 million shares reserved for issuance under the 2018 ESPP.

Under our 2018 ESPP, employees may set aside up to 15% of their gross earnings, on an after-tax basis, to purchase our common stock at a discounted price, which is calculated at 85% of the lower of the fair market value of our common stock on the first day of an offering or on the date of purchase. The 2018 ESPP permits offerings up to 27 months in duration, with one or more purchase periods in each offering. Additionally, in cases where the fair market value of a share of our common stock on the first day of a new purchase period within an offering is less than or equal to the fair market value of a share of our common stock at the beginning of the offering, that offering will be terminated and participants will be automatically enrolled in a new offering with a new 24-month duration and purchase periods every six months.

In 2022, employees purchased 442,629 shares of our common stock at a weighted average price of \$33.42 per share, resulting in \$14.8 million of cash proceeds.

In 2021, employees purchased 670,534 shares of our common stock at a weighted average price of \$20.48 per share resulting in \$13.7 million of cash proceeds.

In 2020, employees purchased 667,719 shares of our common stock at a weighted average price of \$19.53 per share resulting in \$13.0 million of cash proceeds.

At December 31, 2022 and 2021 there were \$6.8 million and \$6.0 million, respectively, of employee contributions to the 2018 ESPP included in accrued compensation.

The fair value of the 2018 ESPP purchase rights was estimated on the offering or modification dates using a Black-Scholes option-pricing model and the following assumptions:

	Year Ended December 31,		
	2022	2021	2020
Expected term (in years)	0.5 — 2.0	0.5 — 2.0	0.5 — 2.0
Expected volatility	42.8% — 61.0%	37.2% — 59.4%	41.6% — 60.1%
Risk-free interest rate	0.1% — 3.4%	0.1% — 0.2%	0.1% — 0.9%
Expected dividend yield	—	—	—

11. Income Taxes

U.S. and foreign components of the loss before income taxes were as follows:

(in thousands)	Year Ended December 31,		
	2022	2021	2020
U.S. loss	\$ (23,768)	\$ (3,319)	\$ (6,719)
Foreign loss	(61,521)	(47,310)	(30,355)
Total loss before income taxes	<u>\$ (85,289)</u>	<u>\$ (50,629)</u>	<u>\$ (37,074)</u>

The components of the provision for income taxes were as follows:

(in thousands)	Year Ended December 31,		
	2022	2021	2020
Current			
Federal	\$ 3	\$ 3	\$ 3
State	248	100	17
Foreign	10,142	6,413	5,476
Total current tax expense	<u>10,393</u>	<u>6,516</u>	<u>5,496</u>
Deferred			
Federal	(2,011)	(7,016)	102
State	(330)	(827)	59
Foreign	(1,119)	(2,625)	—
Total deferred tax (benefit) expense	<u>(3,460)</u>	<u>(10,468)</u>	<u>161</u>
Total provision (benefit) for income taxes	<u>\$ 6,933</u>	<u>\$ (3,952)</u>	<u>\$ 5,657</u>

In connection with the 2022 acquisition of Bit Discovery, we elected to first offset our existing deferred tax assets with acquired deferred tax liabilities. This resulted in releasing \$2.5 million of the federal and state valuation allowance, which was recorded as a component of our deferred tax benefit.

In connection with the 2021 acquisition of Accurics, we elected to first offset our existing deferred tax assets with acquired deferred tax liabilities. This resulted in releasing \$7.9 million of the federal and state valuation allowance, which was recorded as a component of our deferred tax benefit.

In 2022 and 2021, we restructured our operations in Israel through intercompany transactions, which resulted in \$2.7 million and \$2.8 million, respectively, of current tax expense.

The items accounting for the difference between income taxes computed at the federal statutory rate and our effective tax rate were as follows:

	Year Ended December 31,		
	2022	2021	2020
U.S. federal statutory tax rate	21.0 %	21.0 %	21.0 %
State and local taxes	3.1	2.6	10.8
Research and development tax credit	4.3	4.5	11.1
Stock-based compensation	7.0	49.5	34.4
Foreign tax rate differential	(4.0)	(1.2)	(10.6)
Change in valuation allowance	(28.3)	(55.7)	(81.2)
Gain on intercompany sale	(2.9)	(5.1)	—
Foreign withholding tax	(3.3)	(2.0)	(3.3)
Foreign deferred FX remeasurement	(4.4)	—	—
Transaction costs	(0.6)	(1.6)	—
Other	—	(4.2)	2.5
Effective tax rate	<u>(8.1)%</u>	<u>7.8 %</u>	<u>(15.3)%</u>

We maintain a valuation allowance on U.S. federal, state and foreign net deferred tax assets as the realization of our deferred tax assets is dependent upon future earnings, if any, the timing and amount of which are uncertain.

The components of the deferred tax assets and liabilities were as follows:

(in thousands)	December 31,	
	2022	2021
Deferred tax assets:		
Net operating losses	\$ 136,087	\$ 134,503
Deferred revenue	15,907	13,598
Stock-based compensation	17,599	14,157
Tax credits	18,674	15,142
Leases	13,167	12,929
Accrued compensation	1,869	1,600
Interest expense	4,678	2,013
Capitalized research and development	14,076	—
Other	49	231
Total deferred tax assets	222,106	194,173
Valuation allowance	(172,987)	(147,040)
Net deferred tax assets	49,119	47,133
Deferred tax liabilities:		
Deferred commissions	(22,112)	(19,423)
Property and equipment	(13,573)	(13,720)
Intangible assets	(14,539)	(15,253)
Other	(194)	(486)
Total deferred tax liabilities	(50,418)	(48,882)
Net deferred tax liabilities	\$ (1,299)	\$ (1,749)

At December 31, 2022, we had net operating loss (“NOL”) carryforwards for federal, state and foreign tax purposes of \$407.4 million, \$233.5 million, and \$315.5 million, respectively, which will begin to expire in 2030, as well as \$21.6 million of federal, state and foreign research and development tax credits, foreign tax credits, minimum tax credits and certain states’ job creation tax credits. The federal research and development and foreign tax credits will begin to expire in 2032 and the state job creation tax credits will begin to expire in 2023.

We are currently subject to the annual limitation under Sections 382 and 383 of the Internal Revenue Code. We will not be precluded from realizing the NOL carryforward and tax credits but may be limited in the amount we could utilize in any given tax year in the event that the federal and state taxable income will exceed the limitation imposed by Section 382. The amount of the annual limitation is determined based on our value immediately prior to the ownership change. Subsequent ownership changes may further affect the limitation in future years.

At December 31, 2022 and 2021, the total amount of gross unrecognized tax benefits was \$7.8 million and \$7.6 million, respectively, which, if recognized, would impact our effective tax rate by approximately \$0.2 million in each year. Interest and penalties associated with uncertain tax positions recognized as a component of income tax expense were immaterial in 2022, 2021 and 2020.

The change in gross unrecognized tax benefits, excluding accrued interest, were as follows:

(in thousands)	Year Ended December 31,		
	2022	2021	2020
Unrecognized tax benefits at the beginning of the period	\$ 7,575	\$ 7,123	\$ 7,163
Additions for tax positions in the current year	245	194	232
Increase in prior year positions	—	64	62
Decrease in prior year positions	—	(48)	(334)
Acquisitions	—	242	—
Unrecognized tax benefits at the end of the period	<u>\$ 7,820</u>	<u>\$ 7,575</u>	<u>\$ 7,123</u>

We file income tax returns in the United States, including various state jurisdictions. Our subsidiaries file income tax returns in various foreign jurisdictions. Tax years after 2014 remain open to examination by the major taxing jurisdictions in which we are subject to tax. At December 31, 2022, we were not under examination for income tax audits by the Internal Revenue Service or any state or foreign tax jurisdiction.

Depending on the jurisdiction, distributions of earnings could be subject to withholding taxes at rates applicable to the distributing jurisdiction. As we intend to continue to reinvest the earnings of foreign subsidiaries indefinitely, we have not provided for a U.S. income tax liability and foreign withholding taxes on undistributed foreign earnings of foreign subsidiaries. It is not practicable for us to determine the amount of unrecognized tax expense on these reinvested foreign earnings.

12. Net Loss Per Share

The following table sets forth the computation of basic and diluted net loss per share:

(in thousands, except per share data)	Year Ended December 31,		
	2022	2021	2020
Net loss	<u>\$ (92,222)</u>	<u>\$ (46,677)</u>	<u>\$ (42,731)</u>
Weighted-average shares used to compute net loss per share, basic and diluted	<u>111,321</u>	<u>106,387</u>	<u>101,009</u>
Net loss per share, basic and diluted	<u>\$ (0.83)</u>	<u>\$ (0.44)</u>	<u>\$ (0.42)</u>

The following potentially dilutive securities have been excluded from the diluted per share calculations because they would have been antidilutive:

(in thousands)	Year Ended December 31,		
	2022	2021	2020
RSUs	6,894	5,781	4,490
Stock options	5,485	6,731	9,441
Shares to be issued under the 2018 ESPP	223	181	321
PSUs	196	—	—
Restricted stock	—	—	99
Total	<u>12,798</u>	<u>12,693</u>	<u>14,351</u>

13. Geographic Information

We operate as one operating segment. Our Chief Executive Officer, who is our chief operating decision maker, reviews financial information on a consolidated basis for purposes of making operating decisions, allocating resources, and evaluating financial performance.

Revenue by region, based on the address of the end user as specified in our subscription, license or service agreements, was as follows:

(in thousands)	Year Ended December 31,		
	2022	2021	2020
The Americas	\$ 432,734	\$ 347,724	\$ 293,734
Europe, Middle East and Africa	175,767	135,176	102,155
Asia Pacific	74,690	58,230	44,332
Revenue	<u>\$ 683,191</u>	<u>\$ 541,130</u>	<u>\$ 440,221</u>

Customers located in the United States accounted for 56%, 58% and 61% of revenue in 2022, 2021 and 2020, respectively. No other country accounted for 10% or more of revenue in the periods presented.

Our property and equipment, net by geographic area is summarized as follows:

(in thousands)	December 31,	
	2022	2021
United States	\$ 39,843	\$ 33,579
International	6,883	3,254
Property and equipment, net	<u>\$ 46,726</u>	<u>\$ 36,833</u>

14. Benefit Plans

We maintain a contributory defined contribution 401(k) plan for our U.S. employees, where company-matched contributions are fully vested. Additional contributory plans are in effect internationally, including in the U.K. and Ireland. Our contribution expense for such plans was \$9.7 million, \$7.6 million and \$6.5 million in 2022, 2021 and 2020, respectively.

Item 9. Changes in and Disagreements with Accountants on Accounting and Financial Disclosure

None.

Item 9A. Controls and Procedures

Evaluation of Disclosure Controls and Procedures

We maintain “disclosure controls and procedures,” as defined in Rule 13a-15(e) and Rule 15d-15(e) under the Exchange Act, that are designed to ensure that information required to be disclosed by a company in the reports that it files or submits under the Exchange Act is recorded, processed, summarized and reported, within the time periods specified in the SEC’s rules and forms. Disclosure controls and procedures include, without limitation, controls and procedures designed to ensure that information required to be disclosed by a company in the reports that it files or submits under the Exchange Act is accumulated and communicated to our management, including our principal executive and principal financial officers, as appropriate to allow timely decisions regarding required disclosure.

Our management, with the participation of our Chief Executive Officer and Chief Financial Officer, has evaluated the effectiveness of our disclosure controls and procedures (as defined in Rules 13a-15(e) and 15d-15(e) under the Exchange Act), as of the end of the period covered by this Form 10-K. Based on such evaluation, our Chief Executive Officer and Chief Financial Officer have concluded that as of December 31, 2022, our disclosure controls and procedures were effective to provide reasonable assurance that the information required to be disclosed by us in this Form 10-K was (a) reported within the time periods specified by SEC rules and regulations and (b) communicated to our management, including our Chief Executive Officer and Chief Financial Officer, to allow timely decisions regarding any required disclosure.

Management’s Report on Internal Control Over Financial Reporting

Our management is responsible for establishing and maintaining adequate internal control over financial reporting, as defined in Rule 13a-15(f) of the Exchange Act. Our management evaluated the effectiveness of our internal control over financial reporting based on the framework in *Internal Control—Integrated Framework (2013)* issued by the Committee of Sponsoring Organizations of the Treadway Commission, and concluded that our internal control over financial reporting was effective at December 31, 2022.

Our independent registered public accounting firm, Ernst & Young LLP (PCAOB ID: 42), has issued an audit report with respect to our internal control over financial reporting as of December 31, 2022, which is included in Part II, Item 8 of this Annual Report on Form 10-K.

Changes in Internal Control Over Financial Reporting

There were no changes in our internal control over financial reporting identified in management’s evaluation pursuant to Rules 13a-15(d) or 15d-15(d) of the Exchange Act during the three months ended December 31, 2022 that materially affected, or are reasonably likely to materially affect, our internal control over financial reporting.

Inherent Limitations on Effectiveness of Internal Controls

In designing and evaluating the disclosure controls and procedures, management recognizes that any controls and procedures, no matter how well designed and operated, can provide only reasonable, not absolute, assurance of achieving the desired control objectives. In addition, the design of disclosure controls and procedures must reflect the fact that there are resource constraints and that management is required to apply judgment in evaluating the benefits of possible controls and procedures relative to their costs. Our management, including our Chief Executive Officer and Chief Financial Officer, believes that our disclosure controls and procedures and internal control over financial reporting are designed to provide reasonable assurance of achieving their objectives and are effective at the reasonable assurance level. However, our management does not expect that our disclosure controls and procedures or our internal control over financial reporting will prevent all errors and all fraud.

Item 9B. Other Information

On February 23, 2023, our Board determined that the duties and responsibilities of Mark Thurmond, our Chief Operating Officer, have evolved such that he is an “executive officer” within the meaning of Rule 3b-7 under the Securities Exchange Act of 1934, as amended. The Board also determined that Mr. Thurmond will begin serving as an executive officer effective immediately.

Mr. Thurmond, age 53, has served as our Chief Operating Officer since February 2020. Prior to joining Tenable, Mr. Thurmond served as the Chief Operating Officer of Turbonomic Inc. from September 2017 to February 2020 and as the Executive Vice President, Worldwide Sales and Services of QlikTech International AB from August 2015 to August 2017. Mr. Thurmond holds a B.S. in Psychology from Hofstra University.

There are no arrangements or understandings between Mr. Thurmond and any other person pursuant to which he was selected as an officer of the Company, and there is no family relationship between Mr. Thurmond and any of our other directors or executive officers. There are no related party transactions between Mr. Thurmond and the Company that would require disclosure under Item 404(a) of Regulation S-K.

Item 9C. Disclosure Regarding Foreign Jurisdictions that Prevent Inspections

None.

PART III

Item 10. Directors, Executive Officers and Corporate Governance

Executive Officers and Directors

The information required by this item will be contained in our definitive proxy statement to be filed with the SEC in connection with our 2023 annual meeting of stockholders, or the Proxy Statement, which is expected to be filed not later than 120 days after the end of our fiscal year ended December 31, 2022, under the captions "Information Regarding the Board of Directors and Corporate Governance," "Election of Directors" and "Executive Officers" and is incorporated in this report by reference.

Code of Ethics

We have adopted the Tenable Code of Business Conduct and Ethics that applies to all officers, directors and employees. The Code of Business Conduct and Ethics is available on our website at <https://investors.tenable.com>. If we make any substantive amendments to the Code of Business Conduct and Ethics or grant any waiver from a provision of the Code to any executive officer or director, we will promptly disclose the nature of the amendment or waiver on our website.

Item 11. Executive Compensation

The information required by this item will be set forth in the Proxy Statement under the captions "Executive Compensation" and "Director Compensation" and is incorporated herein by reference.

Item 12. Security Ownership of Certain Beneficial Owners and Management and Related Stockholder Matters

The information required by this item will be set forth in the Proxy Statement under the captions "Security Ownership of Certain Beneficial Owners and Management" and "Securities Authorized for Issuance under Equity Compensation Plans" and is incorporated herein by reference.

Item 13. Certain Relationships and Related Transactions and Director Independence

The information required by this item will be set forth in the Proxy Statement under the captions "Transactions with Related Persons and Indemnification" and "Independence of the Board of Directors" and is incorporated herein by reference.

Item 14. Principal Accountant Fees and Services

The information required by this item will be set forth in the Proxy Statement under the caption "Ratification of Selection of Independent Registered Public Accounting Firm" and is incorporated herein by reference.

PART IV

Item 15. Exhibits, Financial Statement Schedules

(a)(1) Financial Statements

See the Index to Consolidated Financial Statements in Item 8 of this Annual Report on Form 10-K.

(a)(2) Financial Statement Schedules

SCHEDULE II SUPPLEMENTARY CONSOLIDATED FINANCIAL STATEMENT SCHEDULE VALUATION AND QUALIFYING ACCOUNTS

(in thousands)	Balance at Beginning of Year	Additions Charged to Costs and Expenses	Deductions ⁽¹⁾	Balance at End of Year
Allowance for Doubtful Accounts				
Year Ended December 31, 2022	\$ 524	\$ 1,154	\$ (278)	\$ 1,400
Year Ended December 31, 2021	261	349	(86)	524
Year Ended December 31, 2020	764	336	(839)	261

(1) Consists of write-offs of uncollectible accounts, net of recoveries.

All other schedules have been omitted because they are not required, not applicable, or the required information is included in the financial statements or the notes to the financial statements.

Item 16. Form 10-K Summary

None.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

TENABLE HOLDINGS, INC.

Date: February 24, 2023

By: /s/ Amit Yoran
Amit Yoran
Chairman and Chief Executive Officer

Date: February 24, 2023

By: /s/ Stephen A. Vintz
Stephen A. Vintz
Chief Financial Officer

POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS, that each person whose signature appears below constitutes and appoints Amit Yoran, Stephen A. Vintz and Michelle VonderHaar, jointly and severally, as his or her true and lawful attorneys-in-fact and agents, with full power of substitution and resubstitution, for him or her and in his or her name, place and stead, in any and all capacities, to sign this Annual Report on Form 10-K of Tenable Holdings, Inc., and any or all amendments thereto, and to file the same, with all exhibits thereto, and other documents in connection therewith, with the Securities and Exchange Commission, granting unto said attorneys-in-fact and agents full power and authority to do and perform each and every act and thing requisite or necessary to be done in and about the premises hereby ratifying and confirming all that said attorneys-in-fact and agents, or his, her or their substitute or substitutes, may lawfully do or cause to be done by virtue hereof. Pursuant to the requirements of the Securities Exchange Act of 1934, this report has been signed below by the following persons on behalf of the registrant and in the capacities and on the dates indicated.

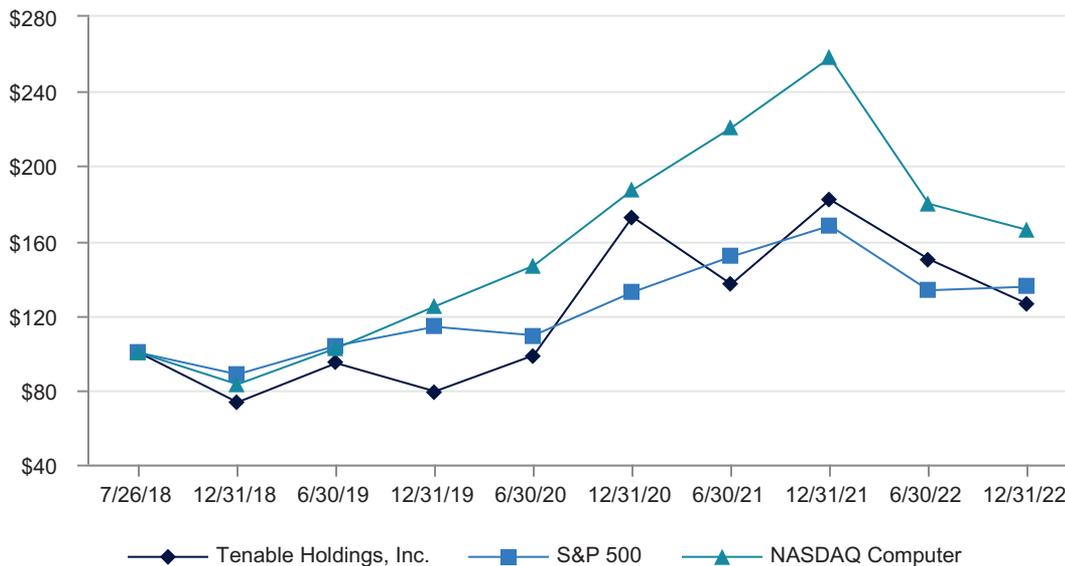
<u>Signature</u>	<u>Title</u>	<u>Date</u>
<u>/s/ Amit Yoran</u> Amit Yoran	Chairman and Chief Executive Officer <i>(Principal Executive Officer)</i>	February 24, 2023
<u>/s/ Stephen A. Vintz</u> Stephen A. Vintz	Chief Financial Officer <i>(Principal Financial Officer and Principal Accounting Officer)</i>	February 24, 2023
<u>/s/ Arthur W. Coviello, Jr.</u> Arthur W. Coviello, Jr.	Director	February 24, 2023
<u>/s/ Linda Zecher Higgins</u> Linda Zecher Higgins	Director	February 24, 2023
<u>/s/ Niloofar Razi Howe</u> Niloofar Razi Howe	Director	February 24, 2023
<u>/s/ John C. Huffard, Jr.</u> John C. Huffard, Jr.	Director	February 24, 2023
<u>/s/ A. Brooke Seawell</u> A. Brooke Seawell	Director	February 24, 2023
<u>/s/ George Alexander Tosheff</u> George Alexander Tosheff	Director	February 24, 2023
<u>/s/ Raymond Vicks, Jr.</u> Raymond Vicks, Jr.	Director	February 24, 2023

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Stock Performance Graph

We have presented below the cumulative total return to our stockholders between July 26, 2018 (the date our common stock began trading on the Nasdaq Global Select Market) through December 31, 2022 in comparison to the Standard & Poor's, or the S&P, 500 Index and the Nasdaq Computer Index. All values assume a \$100 initial investment, and data for the S&P 500 Index and Nasdaq Computer Index assume reinvestment of dividends. The comparisons are based on historical data and are not indicative of, nor intended to forecast, the future performance of our common stock.

Comparison of Cumulative Total Return



Company/ Index	Jul 26, 2018 ⁽¹⁾	Dec 31, 2018	Jun 28, 2019	Dec 31, 2019	Jun 30, 2020	Dec 31, 2020	Jun 30, 2021	Dec 31, 2021	Jun 30, 2022	Dec 30, 2022
Tenable Holdings, Inc.	\$ 100.00	\$ 73.36	\$ 94.35	\$ 79.21	\$ 98.55	\$ 172.76	\$ 136.69	\$ 182.05	\$ 150.12	\$ 126.12
S&P 500 Index	100.00	88.35	103.68	113.86	109.26	132.38	151.46	167.97	133.41	135.32
NASDAQ Computer Index	100.00	83.01	102.35	124.80	146.62	187.18	220.44	258.04	179.79	165.73

(1) Base period

CORPORATE EXECUTIVES

Amit Yoran

Chief Executive Officer and
Chairman of the Board of Directors

Bridgett P. Paradise

Chief People and Culture Officer

Nico Popp

Chief Product Officer

Mark Thurmond

Chief Operating Officer

Stephen A. Vintz

Chief Financial Officer

Michelle VonderHaar

Chief Legal Officer and Corporate
Secretary

BOARD OF DIRECTORS

Amit Yoran

Chief Executive Officer and
Chairman of the Board of Directors

Arthur W. Coviello, Jr.

Managing Partner, Syn Ventures

Linda Zecher Higgins

Chief Executive Officer, Barkley Group

Niloofar Razi Howe

Senior Operating Partner,
Energy Impact Partners

John C. Huffard, Jr.

Co-Founder, Tenable

A. Brooke Seawell

Venture Partner,
New Enterprise Associates

George Alexander Tosheff

Senior Vice President and Chief
Security Officer, VMware

Raymond Vicks, Jr.

Certified Public Accountant

CORPORATE INFORMATION

Common Stock Listing

Listed: Nasdaq Global Select Market

Symbol: TENB

Annual Meeting

Wednesday, May 24, 2023

at 1:00 p.m. local time

Registrar and Transfer Agent

American Stock Transfer & Trust
Company, LLC 6201 15th Avenue

Brooklyn, NY 11219

T: (800) 937-5449

Legal Counsel

Cooley LLP

1299 Pennsylvania Ave NW, Suite 700

Washington, D.C. 20004

Independent Registered Public Accounting Firm

Ernst & Young LLP

1201 Wills Street, Suite 310

Baltimore, Maryland 21231

Investor Relations

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