

# Global Cybersecurity Team

U.S. Cyber Team



**Keith Skirbe**Managing Director
San Francisco



**Bobby Wolfe** Director Miami



Global Cyber Reach



Mark Smith
Director
Cyber Europe
U.K.



Malte Abrams
Managing Director
Cyber Europe
Frankfurt



**Sara Napolitano**Managing Director
Cyber Europe
Paris



**Joseph Miller**Vice President
San Francisco



Patrick Wong
Associate
San Francisco



**Alex Maffei**Financial Analyst
San Francisco



**Ido Zakai**Managing Director
Tel Aviv



**Raymond Fröjd**Managing Director
Stockholm



**Sameer Jindal**Managing Director
Mumbai





**Sean Fitzgerald**Managing Director
New York



**Chris Hebble**Managing Director
Los Angeles



Gabrielle Worrall
Vice President
U.K.



**Christie Adams**Associate
Paris



**Samuel Pattison** Financial Analyst U.K.



**David Kelnar**Managing Director
London



**Greg Werntz**Director
San Francisco





**Joshua Holmes** Head of Cyber and Tech Due Diligence Dallas

# Executive Summary: Q3 2024 in Review

## **Executive Summary**

- Q3 saw a substantial recovery in M&A activity propelled by a significant uptick in deal volume, primarily composed of small to medium sized transactions (<\$100M).</li>
- Capital invested experiences strong growth as investors exhibit more conviction in the macroeconomic outlook, with the highest amount of Q3 financing since 2021.
- We anticipate activity to continue rising in 2025, driven by an improving economy and lower interest rates with a high accumulation of dry powder.
- This past quarter, **Trend Micro** and **CrowdStrike** saw the greatest stock price movements, with the former surging 41.1%—near its all-time high—and the latter falling 28.5% as a result of its global platform outage.

## A Strong Quarter for Public Companies

Houlihan Lokey Cybersecurity Index<sup>(1)</sup>



## Q3 2024 Report Themes



The MDR landscape is fragmented, consisting of subscale and under-optimized players, presenting an attractive consolidation opportunity



Cybersecurity insurance offers a compelling value proposition as attacks have become more costly and occur more frequently.



Many organizations are assessing their cybersecurity posture as they consider a transition to the cloud.



Proliferation of APIs has led to increased vulnerabilities to be exploited by threat actors.



Generative AI has become a priority security implementation as threat actors seek to leverage the technology with malicious intent.



Securing the entire IoT ecosystem has become a top priority, as organizations look to innovative and zero-trust solutions.

#### M&A Volume Rebounds

	Q3 ′24	VS. Q3 '23	VS. Q3 '22
Volume	\$10.9B	<b>7</b> 18.1% <sup>(2)</sup>	<b>1</b> 13.8%
# of Deals	102	<b>7</b> 64.5%	<b>7</b> 61.9%

Acronis ·I¦I·Recorded Future®

# Financing Volume Spikes, Underscored by More Deals

	Q3 ′24	VS. Q3 ′23	VS. Q3 '22
Volume	\$3.2B	<b>7</b> 38.3%	<b>3</b> 3.1%
# of Deals	209	<b>7</b> 111.1%	<b>≥</b> 5.9%

Kiteworks ⇒ Cribl ∧bnormal

\$456M \$319M \$250M

Source: S&P Capital IO as of September 30, 2024.

Own

\$2,111M

<sup>(1)</sup> Houlihan Lokey Cybersecurity Index includes S, CYBR, ZS, CRWD, PANW, OKTA, TENB, FTNT, AVGO, MITK, RSKD, RPD, GEN, CHKP, FFIV, QLYS, 4704, SWI, CGNT, SCWX, OSPN, TLS, FSECURE, WITH. (2) Figure excludes the acquisition of Splunk.



# Table of Contents

01

Perspectives From the Front 02

Capital Markets and Trends Update

03

Conferences and Events

04

About Houlihan Lokey

05

Appendix



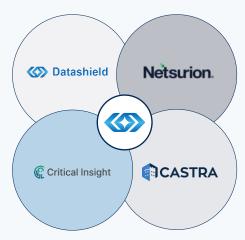
# Rolling-Up the MDR Sector With a Technology-First Approach



Lumifi is a software-driven MDR consolidator purpose-built to unlock value by driving rapid and profitable growth through M&A while leveraging cutting-edge technology to extract synergies and maintain software-like gross margins.

## Strong M&A Strategy Execution to Date

With four strategic acquisitions completed in the past three years, Lumifi has already established itself as a leader in MDR across a breadth of end markets.



66

Lumifi's consolidation strategy is built on more efficient delivery, improved client management, and greater sales enablement driven by the breadth and flexibility of the platform—with the combination of ShieldVision and a SOC triad-led perspective on security data visibility, Lumifi has optimized the MDR model and created the blueprint for profitability at scale.



Michael Malone, Founder and CEO

## Key Thesis for MDR Consolidation



Relentless Cyber Attacks and Talent Shortage Driving MDR Services Growth

By 2025, the global cost of cybercrime is projected to reach \$10.5 trillion, with 50% of organizations using MDR services for threat monitoring, detection, and response functions.



## MDR at Scale With a Strong Financial Profile Has Been Elusive

Vendors have experimented with various operating strategies to address industry pitfalls, but challenges have arisen elsewhere. Lumifi is cracking the code on a scaled, highly profitable MDR model.



#### Tech Powering MDR Is Commoditized and Creates Tech Debt for Operators

Thirteen vendors have been identified as SIEM leaders by Gartner since 2011, but only one has maintained that classification. Specialization or proprietary SIEMs leave MDRs with tech debt; true BYOT platforms hold a competitive advantage.



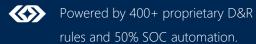
#### Fragmentation Presents an Opportunity for Profitable, Tech-Enabled Consolidation

Gartner estimates that **nearly 600 organizations offer MDR services**, most of which are **subscale or overstaffed and unprofitable**. The bar for market leadership is low, and the current nature of the industry makes it an attractive segment for consolidation.

# Lumifi at a Glance

# A Differentiated Approach to MDR











2022 Founded

Acquisitions to Date

55+

Cyber/Technical Team SOC



Powered by Industry-Leading Technology



Cyber Research Summary 2024 Prediction Tracking Data Breach

# SentinelOne: 2024 Cloud Security Report



Many organizations are currently navigating a transition to the cloud, presenting opportunities for threat actors to identify vulnerabilities and disrupt operations through malicious cyber attacks, requiring teams to establish a comprehensive cloud security plan which often encounters issues through fragmented functionalities and inefficiencies.

# Key Insights

Cloud Security Is No Longer a Niche

Migrations to the cloud have presented new challenges, enabling nearly every cybersecurity domain to play a role in the adoption of cloud security.

Organizational Confidence, Balanced by Concern

Core functions (threat detection, incident investigation, and vulnerability assessment) provide organizations reassurance in their cloud security capabilities. However, cloud asset discovery and configuration security remain areas of concern.

Several Factors Are Inhibiting Effective Responses

A shortage of experienced IT security personnel, overwhelming volumes of security data, and insufficient automation are preventing comprehensive responses.

# A Unified Platform Is Desired for Simplicity

The highly tailored nature and narrow use cases of cloud security solutions have led organizations to struggle with managing multiple-point products and are now seeking out unified platforms which will integrate data silos, simplify management, and automate workflows.

# **Key Conclusions**

- Organizations will gravitate toward solutions that are easily deployed and can automate workflows.
- Secret scanning solutions are becoming increasingly popular as organizations seek to identify exposed credentials.
- Security budgets are adequate, but the desired results are not being achieved.
- The shortage of skilled cybersecurity professionals will continue to drive demand for automation, integrations, and the implementation of AI use cases.



We have problems related to having

multiple cloud security tools

86.6%

30.0%

28.5%

25.7%

Source: SentinelOne, "2024 Cloud Security Report," August 2024.

Note: The survey group consisted of 400 cybersecurity practitioners and managers who were knowledgeable about their organizations' cloud security strategy.

Too Many Data Silos/Lack of

Integration

Lack of Effective Cloud Security

Tools

Inefficient Manual Processes

- (1) Responses on a 1–5 scale, rating the organizational capabilities of each cloud security function.
- (2) Responses on a 1–5 scale, rating the importance of each cloud security technology for protecting cloud infrastructure.

# Akamai—2024 State of the Internet Report: Digital Fortresses Under Siege



The proliferation of APIs, serving as the bedrock for communication among applications, has revealed a new pillar of web application security that is a strategic imperative for any organization's security stack.

## **Key Findings**



Threat actors are more frequently targeting web application and API vulnerabilities, **capitalizing on the growing pains of the API economy**.



Time-to-market pressures and the unique complexities of the API environment have left organizations with **cross-team visibility gaps in API footprints**, leading to an incomplete view of the security landscape and presenting an opportunity for cybercriminals.



Application-layer (Layer 7) DDoS attacks are becoming increasingly prevalent, exploiting flaws and loopholes in the business logic.

# Contextualizing the Breadth of Attacks

49%

Increase in web attacks against applications and APIs between Q1 2023 and Q1 2024.

# 11 Trillion+

**Application-layer DDoS attacks** against the high technology, commerce, and social media industries.

# 26 Billion+

Monthly web application and API attacks in June 2024, corroborating the vulnerabilities of an expanded attack surface.

# Progression of Attacking Frequency<sup>(1)</sup>

Monthly Web Application and API Attacks January 1, 2023 – June 30, 2024

Attackers Are Increasing Their Use of Traditional Web Attacks to Target Web Applications and APIs, as Exemplified by the 49% Year-Over-Year Growth



#### Most Targeted Industries



**Financial Services** 



Commerce



Social Media

Daily Layer 7 DDoS Attacks January 1, 2023 – June 30, 2024

#### Layer 7 DDoS attacks on APIs increased significantly during Q4 of 2023 and persisted through Q1 of 2024



 Layer 7 refers to the application layer, which serves as the interface for communication between a network and its users threat actors will exploit vulnerabilities in this layer, carrying out DDoS attacks to halt or disrupt operations.

# Delinea: Identity Security Is Critical to Obtaining and Maintaining Cyber Insurance

# Delinea

Cyber insurance is paramount to organizational risk management strategies, ensuring resiliency and recovery when confronted with data breaches, data losses, or revenue losses from interrupted operations; it becomes necessary to maintain insurability as security stacks adapt to more sophisticated adversaries.

# Key Findings



Identity and privilege compromises account for 47% of attacks that lead to insurance claims, highlighting the importance of comprehensive identity security solutions.



Identity security is often regarded as a prerequisite to obtaining an insurance policy, with roughly 40% of insurance companies requiring privileged access controls and authorization.



Cyber insurance premiums are increasing; however, there is an opportunity for policyholders to leverage Al-supported threat **detection and monitoring** to reduce these obligations.

# Understanding the Frequency of Claims

77%

Of firms with cyber insurance have **previously filed** a claim, underscoring the importance of insurance policies.

50%

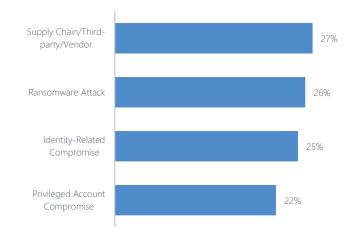
Of U.S. companies utilizing **Al-supported threat** monitoring and detection **tools** to drive down insurance premiums.

27%

Of organizations **filed** more than one cyber **insurance claim** in the past 12-month period.

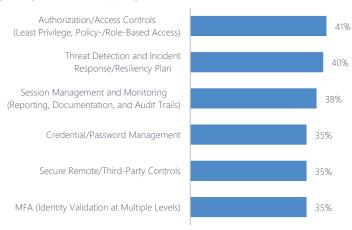
## Determining the Source of Claims

What caused the cyber incident related to the cyber insurance claim?<sup>(1)</sup>



## Defining the Prerequisites

What security controls, activities, and processes are required by your cyber insurance policy?<sup>(1)</sup>



When I think about insurance carriers' and underwriters' expectations, identity security has become table stakes... You must have a good narrative of integrated controls and a holistic story on how you're mitigating unauthorized access risk and protecting identities.



#### CJ Dietzman, Senior Vice President, Alliant Insurance Services



The greater portion of cybersecurity incidents that have reached the level of a claim are root-caused back to harvesting a credential, compromising an insider, using a third party that had access to your systems, etc., so when organizations are being evaluated for renewals, these are the questions that are asked.



#### Myrna Soto, CEO, Apogee Executive Advisors

IoT Security Is an Imperative

actors to target.

• By 2025, 27 billion IoT devices are predicted to be in

use, resulting in additional attack surfaces for threat

• Zero-trust security, API security, and innovative security

solutions combating AI and quantum threats are all

becoming security stack imperatives.

# Cybersecurity Predictions for 2024

## **Industry Predictions**

#### Generative Al



- Threat actors are leveraging generative AI to carry out fraudulent activities, accelerating the volume and targeted nature of phishing and malware creation.
- Generative AI is expected to address talent shortages by enhancing security professionals' efficiency, particularly regarding vulnerability investigation and tool creation.

## What Happened

- Organizations are feeling the pressure to incorporate AI solutions, resulting in rushed and incomplete implementation processes, exposing security vulnerabilities and underscoring an overall misuse of generative AI in cybersecurity contexts. Further, more than 50% of executives will attribute their weakening cybersecurity posture to the expanded attack surface due to the complexity of AI applications.
- With the EU and the U.S. enacting legislation to address concerns over consumer data privacy and IoT cybersecurity, IoT security is no longer an unregulated frontier. However, a comprehensive IoT legal framework still does not exist.
- The shift towards IoT security is underscored by the proliferation of connected devices/data as firms do more to address the costly nature of data breaches, which are estimated to cost an organization approximately \$4.88 million on average.

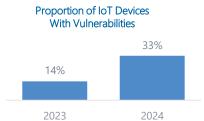
#### **Unintended Consequences**

45%

Of organizations have experienced unintended data exposures since Al implementation.

Of IT leaders indicate their security teams do not have the skills needed to protect AI workloads and applications.

# IoT Vulnerability Tracking



136%

Growth in IoT devices containing vulnerabilities.

Sources: Cybersecurity Dive, "Generative AI Raises Security Concerns Among IT Leaders"; Dark Reading, "Friend or Foe? AI's Complicated Role in Cybersecurity"; IoT For All, "The Future of IoT Security: Trends and Predictions"; IBM, "Cost of a Data Breach Report 2024"; Infosecurity Magazine, "IoT Vulnerabilities Skyrocket, Becoming Key Entry Point for Attackers"; The Hacker News, "The State of the Virtual CISO Report: MSP/MSSP Security Strategies for 2025." (1) Independent survey of 200 security leaders in MSPs and MSSPs.

## What Was Not Predicted: **Growth of Virtual CISO Services**

Currently, only 21% of MSPs and MSSPs are offering virtual CISO services, indicating an opportunity for firms to establish themselves as key players within the ecosystem.

98% of MSPs and MSSPs that are not currently offering virtual CISO services intend to integrate these services into their portfolios, demonstrating an observed demand from SMBs for specialized cybersecurity and compliance expertise.

#### Defining the Strategic Opportunity: Perceived Benefits

Impact of offering virtual CISO services?<sup>(1)</sup>





# RockYou2024

#### **Breach Overview**

Description	Compilation of plaintext passwords assembled from various breaches over the years, building upon RockYou2021.
Date of Discovery	July 4, 2024.
What Happened	A dataset was posted to a hacking forum, combining information across breaches from the past two decades and exposing nearly 10 billion unique plaintext passwords.
Outcome of Breach	A consolidated and searchable database of leaked passwords is now available to threat actors, heightening the risk of credential-

## Attack Methodology and Rationale



An anonymous user known as "ObamaCare" scraped information from previous data breaches, gathering leaked passwords and sensitive data.



By combining the previous and newly leaked plaintext passwords into one encompassing and easily accessible database, hackers can more effectively carry out bruteforce attacks and gain unauthorized access to accounts and sensitive information.

# **Key Stats**

~10.0B

Unique plaintext passwords leaked. ~1.5B

New passwords since the previous RockYou2021 data leak.

# **Expert Opinion and Commentary**



Companies should assume all passwords are compromised and build the correct mitigating controls. Those include phishing-resistant MFA, passwordless authentication, and behavior-based detection and " response programs to detect malicious use.

> **Chris Bates** Former Chief Security & Trust Officer, SentinelOne

#### The Outcome



The sheer size of the leaked list makes credentialstuffing impractical, given the time it would require to iterate through such a list as well as the many protection mechanisms such as rate limiting and multiple attempts limiting.



Some analyses suggest that a substantial portion of the dataset may consist of junk data, such as uncracked hashed passwords and random strings, potentially limiting its effectiveness for malicious use.

## **Key Takeaway**

Stringent Password Protection and Protocol



This incident highlights the importance of rotating or maintaining a variety of passwords, preventing threat actors from gaining unauthorized access.



Given the frequency and severity of data leaks and breaches, it is critical for organizations to implement defensive password policies and require multifactor authentications to safeguard sensitive information.



stuffing attacks.



## **Outage Overview**

Company Description

Cloud-native provider of a threat intelligence and endpoint protection platform.

Date of Breach

July 22, 2024.

What Happened Faulty code in the Falcon Sensor software update files resulted in widespread tech outages for those customers using Microsoft Windows operating systems.

Fortune 500 from the

impact on Microsoft.

28.5%

over Q3 2024.

disruption, excluding the

Decrease in the stock price

**Outcome** of Breach

Critical services and infrastructures were interrupted or halted entirely.

## Source of the Outage

Data Breaches



CrowdStrike confirmed the outage originated from an internal source, re-establishing confidence in the firm's endpoint protection platform.



Cybersecurity experts are drawing their attention to the chain effects of single points of failure in the IT ecosystem.

## **Key Stats**

\$0.3B-\$1.0B \$5.4B

Estimated insured losses connected to the global IT outage.

10,000+

Flight cancellations affected an estimated 1.4 million passengers.

# **Expert Opinion and Commentary**



The fact that something like this could happen should open people's minds to the real risks of technical monocultures.

Sources: Cybersecurity Dive, "Top Takeaways from the CrowdStrike Outage for IT Teams"; Cybersecurity Dive, "Insured Loss

Impact Could Reach \$1B Following CrowdStrike Outage"; Reuters, "CrowdStrike Update that Caused Global Outage Likely Skipped Checks, Experts Say"; CNBC, "Delta, CrowdStrike Sue Each Other Over Widespread IT Outage that Caused

Thousands of Cancellations"; Oxford Economics, "CrowdStrike Update Grounds Thousands of Flights."



Chief Executive Officer, Cockroach Labs

# Spencer Kimball

#### The Outcome



The outage represents a stress test against firstline IT support teams, showcasing a reliance and susceptibility to third-party disruptions.



Following the CrowdStrike outage, Delta filed a lawsuit asking for damages to cover more than \$500 million in losses. The lawsuit alleges disrupted operations and the cancellation of more than 7,000 flights within a week.

## **Key Takeaway**

Impeccable Records Are a Must



Reputation is everything in cybersecurity and experiencing outages or breaches degrades customer trust and shifts the organizational perception.



The outage constitutes an opportunity for organizations to re-evaluate their level of preparedness and to consider shifting away from technical monocultures.



# National Public Data

#### **Breach Overview**

Description	National Public Data is a background-checking company that utilizes nonpublic sources to scrape personally identifiable information.
Date of Breach	August 19, 2024.
What Happened	A federal class-action lawsuit alleges that a hacking group has gained unauthorized access to the network of National Public Data, exposing nearly three billion people's personal information.
Outcome of Breach	Hackers have launched a sale of the stolen data, looking to fetch around \$3.5 million in

exchange for the database.

## **Key Stats**

of Breach

170.0M+

Individuals with highly sensitive personal data were exposed.

2.9B

Records were identified as being exposed during this breach.

## Attack Methodology and Rationale



USDoD, the entity responsible for carrying out the breach, leveraged vendor system vulnerabilities and exploited third-party risk management practices.



The prompt auctioning of the compromised information on the dark web indicates the attack was financially

## **Expert Opinion and Commentary**



What makes this breach a little bit different is some of the data is also about relationships — so who are your family members, who are people that you've worked with — and this makes consumers susceptible to all sorts of other types of attacks.

> Steve Grobman Chief Technology Officer, McAfee

#### The Outcome



A database containing billions of highly sensitive records, including full names, Social Security numbers, phone numbers, and physical addresses, has been made available for purchase.



The scale and sensitive nature of the information compromised underscores an opportunity for threat actors to gain unauthorized access and carry out targeted phishing attempts.

# **Key Takeaway**

Reinforce Cyber Posture and Maintain Vigilance



This breach spotlights how highly sensitive and identifiable information can be held by organizations unbeknownst to individuals. Thus, it is imperative to thoroughly vet third-party cybersecurity postures to secure the entire data journey.



Individuals should proactively monitor the use of their sensitive data, ensuring no fraudulent behavior is occurring, and remain aware of the increasingly targeted phishing attempts resulting from compromised data.

# Port of Seattle and Halliburton Oilfield

# **Entity Overview**

# **Description**

The Port of Seattle is a government agency overseeing both Seattle's seaport and the Sea-Tac airport, and Halliburton is the secondlargest provider of energy services in the U.S.

#### Date of Discovery

August 21, 2024, and August 24, 2024.

## What **Happened**

The Port of Seattle and Halliburton reported outages of internet and web-based systems due to alleged cyberattacks.

#### **Outcome** of Breach

System outages resulted in operational disruptions or required taking devices offline to isolate and investigate the issues.

## Key Stats

\$6.0M

Demanded in Bitcoin in exchange for the documents stolen from the Port of Seattle.

\$4.4M

Precedent established among U.S. energy firms after Colonial Pipeline paid the amount in ransom due to a similar breach in 2021.

## Attack Methodology and Rationale



Unauthorized access to Halliburton's IT environment enabled threat actors to steal sensitive data and disrupt certain Halliburton business applications.



A highly coordinated and sophisticated attack involving a combination of advanced persistent threats (APTs) and ransomware was used to infiltrate the Sea-Tac network, likely exploiting system vulnerabilities or compromised employee credentials to gain access to sensitive data.

## **Expert Opinion and Commentary**



Many companies still rely on outdated cybersecurity measures. All critical infrastructure operators must adopt zero-trust cybersecurity solutions, as this model has become essential in the fight against evolving threats.



Roman Arutyunov Co-Founder and Senior Vice President, Xage Security

#### The Outcome



The Port of Seattle breach did not result in mass flight delays or cancellations, but interruptions were experienced with in-terminal screen and baggage services. The full scale of damages is still relatively unknown.



Halliburton was made aware of an unauthorized third-party access to its systems and was forced to take certain systems offline as part of the incident response.

## **Key Takeaway**

The Importance of Securing Critical Infrastructure



This incident highlights a substantial technological gap in the security posture of many organizations and underscores the need for rigorous security protocols and solutions.

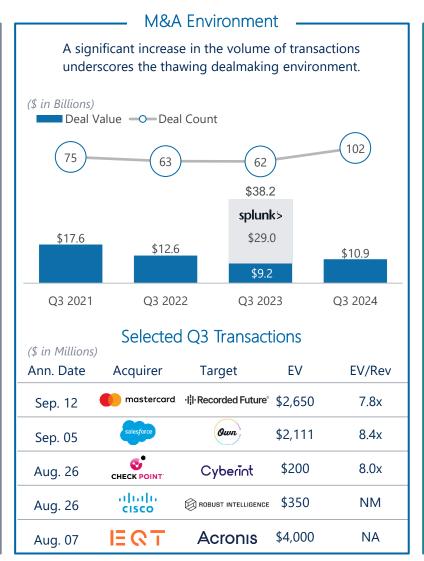


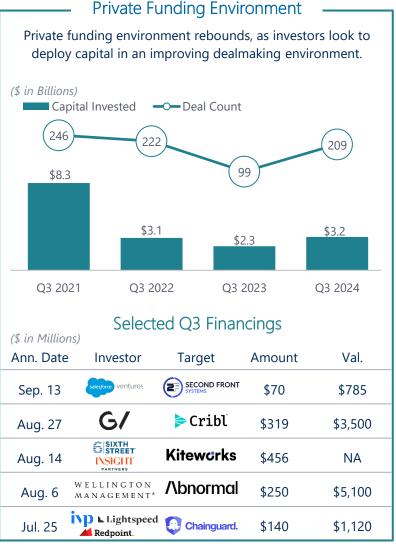
The breach also reinforces the need for swift and comprehensive incident response practices to minimize the potential consequences of such attacks.



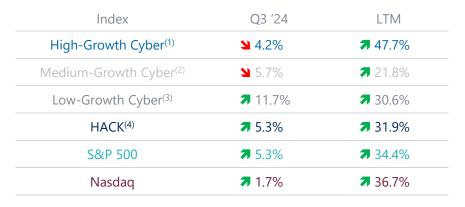
# Cybersecurity Dashboard







# Segments of Cybersecurity and Broader Indexes



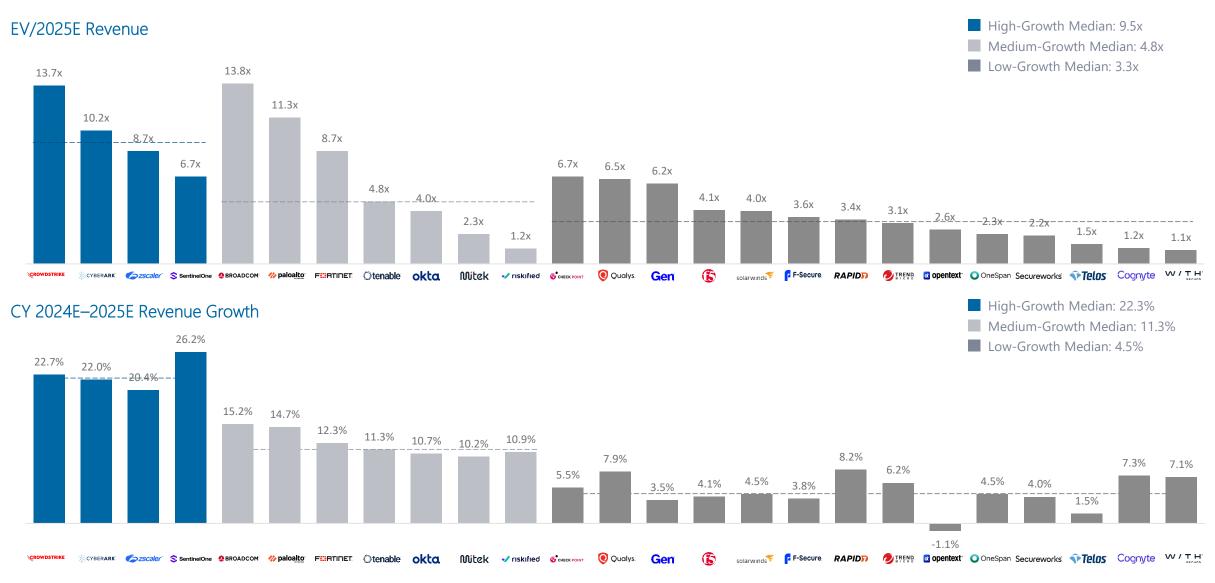




<sup>(1)</sup> High-growth cybersecurity includes S, CRWD, ZS, and CYBR.

<sup>(2)</sup> Medium-growth cybersecurity includes AVGO, PANW, FTNT, TENB, MITK, OKTA, and RSKD.

# Public Company Benchmarking Cybersecurity Software

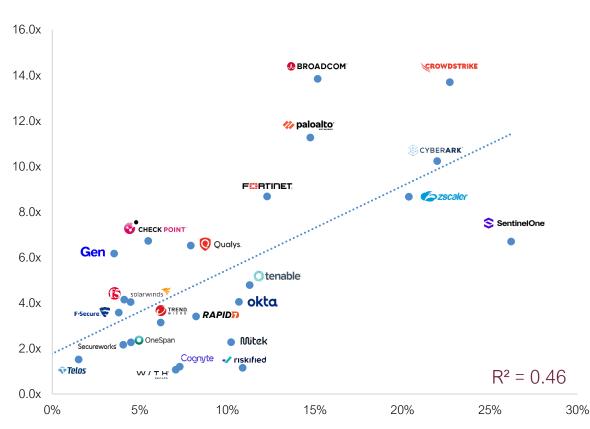


# Public Investors Have Preference for a Balance of Profitability and Growth

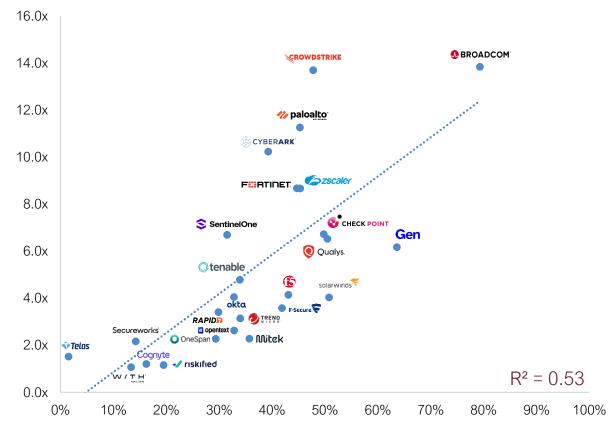
Low-Revenue Growth Rate	Medium-Revenue Growth Rate	High-Revenue Growth Rate
Mean: 5%   3.5x	Mean: 12%   6.6x	Mean: 23%   9.8x
Median: 4%   3.3x	Median: 11%   4.8x	Median: 22%   9.5x



## EV/'25E Revenue to '25E/'24E Revenue Growth



## EV/'25E Revenue to Rule of 40



# Cybersecurity M&A Activity

# Historical Q3 M&A Summary

(\$ in Billions)



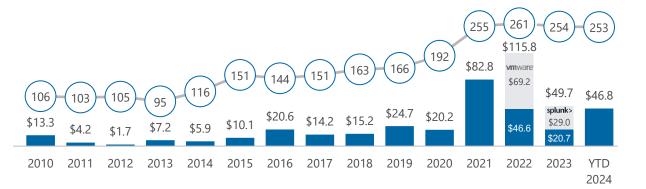


Q3 '10 Q3 '11 Q3 '12 Q3 '13 Q3 '14 Q3 '15 Q3 '16 Q3 '17 Q3 '18 Q3 '19 Q3 '20 Q3 '21 Q3 '22 Q3 '23 Q3 '24

# Annual M&A Summary

(\$ in Billions)

Deal Value — Deal Count



#### Featured M&A Transactions

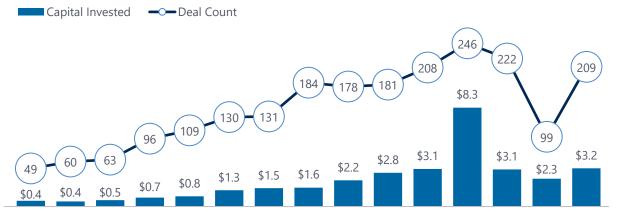
(\$ in Millions)

Ann. Date	Acquirer	Target	EV	EV/Rev
Sep. 24	© Commvault	<b>○</b> CLUMIO	\$47	1.9x
Sep. 18	DESCARTES"	MyCarrierPortal	\$24	NA
Sep. 12	mastercard.	·I¦I·Recorded Future°	\$2,650	7.8x
Sep. 5	salesforce	Own	\$2,111	8.4x
Aug. 27	CHECK POINT	Cyberint	\$200	8.0x
Aug. 26	cisco	ROBUST INTELLIGENCE	\$350	NM
Aug. 23	VINERGIES	fernao	NA	NA
Aug. 7	EQT	Acronis	\$4,000	NA
Aug. 6	F#RTINET.	<sup>N∓</sup> next	\$96	NA
Jul. 23	Trailblazer	<b>C</b> yabra	\$70	NA
Jul. 9	<b>₩</b> VISTA	<b>⊗</b> NASUNI	\$1,200	NA
Jul. 1	RAPID	noetic	\$57	NA

# Cybersecurity Financing Activity

## Historical Q3 Financing Summary

(\$ in Billions)



Q3 '10 Q3 '11 Q3 '12 Q3 '13 Q3 '14 Q3 '15 Q3 '16 Q3 '17 Q3 '18 Q3 '19 Q3 '20 Q3 '21 Q3 '22 Q3 '23 Q3 '24

# **Annual Financing Summary**

(\$ in Billions)



## Featured Minority Transactions

(\$ in Millions)

Ann. Date	Investor	Target	Amount	Valuation
Sep. 20	TENELEVEN	eclypsium	\$20	\$164
Sep. 19	RIVERWOOD <b>CAPITAL</b>	PYCUS	\$45	\$245
Sep. 17	NORWEST	INTEZER	\$33	NA
Sep. 13	salesforce ventures	SECOND FRONT SYSTEMS	\$70	\$785
Aug. 27	G/	<b>≽</b> Cribl <sup>™</sup>	\$319	\$3,500
Aug. 14	SIXTH STREET INSIGHT PARTNERS	Kiteworks	\$456	NA
Aug. 13	TAU Capital Group	SEPI©	\$48	NA
Aug. 6	WELLINGTON MANAGEMENT <sup>a</sup>	∕\bnormal	\$250	\$5,100
Aug. 1	evo/ution EQUITY PARTNERS	⊕ PROTECT AI	\$81	\$500
Jul. 25	Lightspeed  Redpoint.	Chainguard.	\$140	\$1,120
Jul. 24	SEQUOIA╚	Vanta	\$150	\$2,450
Jul. 18	PELION	STRIDER	\$40	\$462



# Recent Conferences and Events Houlihan Lokey Global Tech Conference New York: October 23, 2024

## Selected Sponsor Attendees

























Charlesbank







































# Participating Cybersecurity Companies











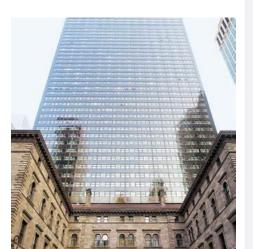














# What Happened

- Panel Discussions From CEOs at High-Growth **Companies:** A wide range of speakers shared their insights about navigating current market conditions and positioning their companies for future success across a variety of technology sectors.
- **Featured Speakers:** The conference featured highprofile speakers and candid panel discussions with distinguished tech thought leaders, discussing a variety of topical themes.
- Targeted One-on-One Meetings: Houlihan Lokey arranged targeted one-on-one meetings for presenting companies over the course of the conference, advising on prospects, meeting structure, and materials and coordinating any followup.
- Networking Opportunities: An audience of strategic, financial, and institutional investors, as well as other capital providers, gathered for lunch and end-of-day cocktails.

# Conference Highlights

Participating Companies

Targeted One-on-One Meetings Per Presenting Company

Conference Attendees

# Recent Conferences and Events Black Hat USA 2024 Las Vegas: August 3–8, 2024





- Black Hat is an internationally recognized cybersecurity event series providing the most technical and relevant security research.
- These multi-day events provide the security community with the latest cutting-edge research, developments, and trends.
- Attendees can gain hands-on experience and deepen their knowledge through a variety of training opportunities, including beginner- and advanced-level courses.

## Sustaining Partners















**SOPHOS** 









Source: Black Hat USA 2024 website.

## Core Black Hat 2024 Features

## **Black Hat Briefings**

Provides security professionals with a place to learn the very latest in information security risks, research, and trends.

## **Black Hat Trainings**

Offers individual technical courses with topics ranging from the latest in penetration testing to exploiting web applications and defending and building SCADA systems.

#### **Black Hat** Certified **Pentester**

In partnership with The SecOps Group, Black Hat now has its own certification.

#### **Black Hat Business Hall**

Solution providers and startups showcase the latest technologies and security services.

## Black Hat CISO Summit



Black Hat CISO Summit is an approvalonly event that brings together top security executives from global corporations and government agencies for a full day of unique discussions.

# **Key Topics**

Al and ML

AppSec

Cloud Security

Cryptography

Human Factors

Malware

Mobile Security

**Network Security** 

Policy

Privacy



Four Days Training

# Two Days

Main Conference

100 +Selected Briefings

# Dozens

Open-Source Tool Demos in Black Hat Arsenal, Dark Reading, and More

# Upcoming Conferences and Events AWS re:Invent

Las Vegas: December 2–6, 2024



- AWS re:Invent is a learning conference hosted by AWS for the global cloud computing community. It offers technical training sessions, workshops, and opportunities to connect with peers and experts.
- The conference features keynote announcements, training and certification opportunities, access to 2,000+ technical sessions, and numerous after-hours events.



**Innovation Talks:** Deep-dive into cloud computing topics with AWS subject matter experts across analytics, databases, developer experience, and much more.



**Keynotes:** Hear from AWS leaders about what's top of mind for them, from innovations in infrastructure and AI/ML to the latest trends and breakthroughs in cloud computing.



**Peer Talk Platform:** Find, connect, and network with other attendees who share similar interests.

Source: AWS re:Invent website.

# **Selected Event Sponsors**

accenture

COHESITY

CONFLUENT

DATADOG

**Deloitte.** 

F≅RTI⊓ET. (H)HashiCorp

intel

🗫 elastic



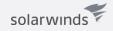
MongoDB.



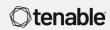








splunk>







Conference Offerings

2023 Conference

50,000+

Highlights

Attendees

2,250

Sessions and

Hands-On Labs

Bootcamps

Chalk Talks

Code Talks

Dev Chats

Workshops

. Alvid Te.mivene webse





# Leading Independent, Global Advisory Firm

Houlihan Lokey is the trusted advisor to more top decision-makers than any other independent global investment bank.

2,691

Global Employees 36

Locations Worldwide \$13B

Market Cap<sup>(1)</sup> \$2.1B

Revenue<sup>(2)</sup>

~25%

Employeeowned No Debt



#### **CORPORATE FINANCE**

2023 M&A Advisory Rankings All Global Transactions

	Advisor	Deals
1	Houlihan Lokey	352
2	Rothschild	349
3	Goldman Sachs	300
3	JP Morgan	300
5	Morgan Stanley	253

Source: LSEG (formerly Refinitiv). Excludes accounting firms and brokers.

No. 1

Global M&A Advisor

# Leading

Capital Markets Advisor

#### FINANCIAL RESTRUCTURING

2023 Global Distressed Debt & Bankruptcy Restructuring Rankings

	Advisor	Deals
1	Houlihan Lokey	73
2	PJT Partners	64
3	Rothschild	51
4	Lazard	37
5	Evercore Partners	27

Source: LSEG (formerly Refinitiv).

No. 1

Global Restructuring Advisor

1,700+

Transactions Completed Valued at More Than \$3.5 Trillion Collectively

#### FINANCIAL AND VALUATION ADVISORY

1999–2023 Global M&A Fairness Advisory Rankings

	Advisor	Deals
1	Houlihan Lokey	1,247
2	JP Morgan	1,035
3	Duff & Phelps, A Kroll Business	977
4	UBS	884
5	Morgan Stanley	716

Source: LSEG (formerly Refinitiv).
Announced or completed transactions.

No. 1

Global M&A Fairness Opinion Advisor Over the Past 25 Years

2,000 +

**Annual Valuation Engagements** 

#### FINANCIAL SPONSORS COVERAGE

2023 Most Active Investment Banks to Private Equity – Globally

	Advisor	Deals
1	Houlihan Lokey	217
2	Lincoln International	156
3	William Blair	112
4	Lazard	96
5	Raymond James Financial	85

Source: PitchBook. Excludes accounting firms and brokers.

No. 1

Global Private Equity M&A Advisor

1,300+

Sponsors Covered Globally

# Our Tech M&A Team Is No. 1 Globally With Unparalleled Reach



# No. 1 Global Tech Team

2023 M&A Advisory Rankings All Global Technology Transactions

	Advisor	Deals
1	Houlihan Lokey	89
2	Rothschild	76
3	JP Morgan	68
4	Goldman Sachs	63
5	Morgan Stanley	59

Source: LSEG (formerly Refinitiv). Excludes accounting firms and brokers.

2023 M&A Advisory Rankings U.S. Technology Transactions Under \$1 Billion

	Advisor	Deals
1	Houlihan Lokey	36
2	Canaccord Genuity Grp	31
3	Lincoln International	25
4	Raymond James Fin	24
5	Generational Equity	20

Source: LSEG (formerly Refinitiv).

28

# Deep Cybersecurity Experience Across the Ecosystem



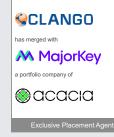
























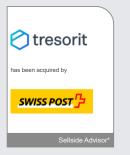




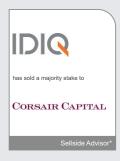






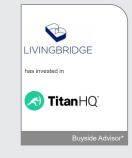




















# How Houlihan Lokey Can Help

# Our firm is extremely well-equipped to help our clients navigate uncertain times.

We respond quickly to challenging situations and are constantly helping clients to analyze, structure, negotiate, and execute the best possible solutions from both a strategic and a financial perspective.

#### What We Offer

#### Corporate Mergers and Acquisitions We are widely recognized as a leading M&A advisor to the mid-cap and have long-Finance Capital Markets standing relationships with capital providers, including commercial banks and other senior credit providers, insurance funds, asset managers, and mezzanine fund Private Funds Advisory investors. Few other investment banks maintain the breadth of relationships and > Board and Special Committee capital markets intelligence that we do. Advisorv Financial Restructuring Creditor Advisory We have the largest restructuring practice of any global investment bank. Since Special Situations 1988, we have advised on more than 1,700 restructuring transactions (with Distressed M&A aggregate debt claims in excess of \$3.5 trillion). We served as an advisor in 12 of Liability Management the 15 largest bankruptcies from 2000 to 2023. Creditor Advisory Financial and > Portfolio Valuation and Fund Advisory Valuation Advisory > Transaction Opinions Over more than five decades, we have established ourselves as one of the largest Corporate Valuation financial and valuation advisory firms. Our transaction expertise and leadership in **Advisory Services** the field of valuation help inspire confidence in the financial executives, boards of > Transaction Advisory Services directors, special committees, investors, and business owners we serve.

> Real Estate Valuation and Advisory

> Dispute Resolution Consulting

Why We're Different

For All Global M&A and All Global Tech M&A in 2023\*



Significant Experience With Financing Markets



Senior-Level Commitment and Dedication



Deep, Industry-Specific Expertise



Superior Work Product/ **Technical Abilities** 



Creativity, Imagination, Tenacity, and Positivity

# Other Houlihan Lokey Cyber Sector Reports

# Generative AI in Cybersecurity Report



# European Cybersecurity Ideabook



# Identity Sector Report



# Managed Security Services Report



To gain access to these decks, please reach out to the following:

## U.S. Cyber Team



**Keith Skirbe**Managing Director
San Francisco
Keith.Skirbe@HL.com



Bobby Wolfe
Director
Miami
BWolfe@HL.com





Mark Smith
Director
Cyber Europe
Manchester
Mark.Smith@HL.com



Malte Abrams
Managing Director
Cyber Europe
Frankfurt
Malte.Abrams@HL.com

# **Capital Markets**



David Kelnar
Managing Director
London
David.Kelnar@HL.com



Greg Werntz
Director
San Francisco
Greg.Werntz@HL.com

**Yearly Conferences** 









Cybersecurity Technology Expertise



Joshua Holmes
Head of Cyber and
Tech Due Diligence
Dallas
JLHolmes@HL.com

Joseph Miller Vice President San Francisco JJMiller@HL.com



Patrick Wong
Associate
San Francisco
Patrick.Wong@HL.com



Ido Zakai Managing Director Head of Tech, Israel Tel Aviv Ido,Zakai@HL.com



Sara Napolitano
Managing Director
Cyber Europe
Paris
Sara.Napolitano@HL.com





# High-Growth Cybersecurity Trading Metrics

(\$ in Millions, Except Price	per Share)								EV/Revenue		EV/EBITDA			
<u>Company</u>	Stock Price	<u>52-Wk</u> <u>High</u>	% of 52-Wk <u>High</u>	YTD Stock Performance	Cash and ST Inv	<u>Equity</u> <u>Mkt Cap</u>	Enterprise Value	<u>CY 2023A</u>	CY 2024E	<u>CY 2025E</u>	<u>CY 2023A</u>	CY 2024E	<u>CY 2025E</u>	
CROWDSTRIKE	\$280.47	\$398.33	70.4%	13.6%	\$4,039	\$69,680	\$65,542	21.5x	16.8x	13.7x	NM	NM	NM	
<b>Ezscaler</b>	170.94	259.61	65.8%	(19.5%)	2,410	25,570	24,899	13.1x	10.4x	8.7x	NM	43.4x	34.7x	
CYBERARK*	291.61	293.31	99.4%	34.9%	1,400	12,338	11,725	15.6x	12.5x	10.2x	NM	NM	NM	
SentinelOne	23.92	30.76	77.8%	(7.5%)	708	7,289	6,900	11.1x	8.5x	6.7x	NM	NM	NM	
					Top Quartile	\$36,598	\$35,060	17.1x	13.6x	11.1x	NM	43.4x	34.7x	
					Mean	29,021	27,266	15.3x	12.0x	9.8x	NM	43.4x	34.7x	
					Median	19,558	18,312	14.4x	11.5x	9.5x	NM	43.4x	34.7x	
					First Quartile	11,981	10,519	12.6x	9.9x	8.2x	NM	43.4x	34.7x	

# Medium-Growth Cybersecurity Trading Metrics

(\$ in Millions, Except Price			EV/Revenue		EV/EBITDA								
<u>Company</u>	Stock Price	<u>52-Wk</u> <u>High</u>	% of 52-Wk High	YTD Stock Performance	Cash and ST Inv	<u>Equity</u> <u>Mkt Cap</u>	Enterprise Value	<u>CY 2023A</u>	CY 2024E	<u>CY 2025E</u>	<u>CY 2023A</u>	CY 2024E	<u>CY 2025E</u>
<b></b> BROADCOM¹	\$172.50	\$185.16	93.2%	58.9%	\$9,952	\$799,710	\$865,681	22.3x	15.9x	13.8x	42.4x	25.6x	21.6x
<b>paloalto</b> *	341.80	380.84	89.7%	18.3%	2,579	120,997	110,122	14.6x	12.9x	11.3x	NM	42.7x	36.9x
F#RTINET:	77.55	78.18	99.2%	34.2%	3,701	59,805	57,056	10.8x	9.7x	8.7x	42.3x	29.5x	26.8x
okta	74.34	114.50	64.9%	(14.6%)	2,358	12,387	11,490	5.1x	4.5x	4.0x	NM	20.8x	18.3x
() tenable	40.52	53.50	75.7%	(7.8%)	548	4,783	4,751	5.9x	5.3x	4.8x	NM	25.9x	21.1x
Mitek	8.67	16.24	53.4%	(32.7%)	123	402	425	2.6x	2.5x	2.3x	19.6x	9.9x	NA
✓ riskified	4.73	6.65	71.2%	6.5%	390	827	413	1.4x	1.3x	1.2x	NM	27.3x	13.4x
					Top Quartile	\$90,401	\$83,589	12.7x	11.3x	10.0x	42.3x	28.4x	25.5x
					Mean	142,702		9.0x	7.5x	6.6x	34.8x	26.0x	23.0x
					Median First Quartile	12,387 2,805	11,490 2,588	5.9x 3.8x	5.3x 3.5x	4.8x 3.2x	42.3x 30.9x	25.9x 23.2x	21.4x 19.0x

# Low-Growth Cybersecurity Trading Metrics

(\$ in Mi	illions, Except Price pe	er Share)								EV/Revenue			EV/EBITDA	
	Company	Stock Price	<u>52-Wk</u> <u>High</u>	% of 52-Wk High	YTD Stock Performance	Cash and ST Inv	Equity Mkt Cap	Enterprise Value	CY 2023A	CY 2024E	CY 2025E	CY 2023A	CY 2024E	CY 2025E
	Gen	\$27.43	\$27.53	99.6%	20.4%	\$737	\$17,336	\$24,816	6.5x	6.4x	6.2x	14.9x	10.7x	10.3x
	CHECK POINT	192.81	196.56	98.1%	26.6%	1,469	22,081	18,184	7.5x	7.1x	6.7x	19.5x	16.0x	15.2x
	opentext <sup>™</sup>	33.28	45.47	73.2%	(18.1%)	1,002	9,039	14,192	2.5x	2.6x	2.6x	9.9x	7.9x	7.7x
	<b>(</b>	220.20	223.74	98.4%	24.9%	1,075	13,071	12,159	4.3x	4.3x	4.1x	16.8x	11.5x	10.6x
	<b>OTREND</b>	59.23	64.41	92.0%	11.3%	1,374	7,771	6,314	3.6x	3.3x	3.1x	14.6x	12.8x	11.3x
	Qualys.	128.46	206.35	62.3%	(33.1%)	386	4,823	4,224	7.6x	7.0x	6.5x	22.2x	16.1x	15.3x
	solarwinds	13.05	13.43	97.2%	7.7%	199	2,236	3,306	4.4x	4.2x	4.0x	14.6x	8.9x	8.7x
	RAPID <b>7</b> 7	39.89	61.88	64.5%	(27.4%)	444	2,834	3,081	4.0x	3.7x	3.4x	NM	17.1x	15.7x
	Secureworks	8.85	9.76	90.7%	23.9%	48	771	744	2.0x	2.3x	2.2x	NM	32.4x	21.3x
	F-Secure.	2.41	2.60	92.7%	10.3%	15	409	611	4.2x	3.7x	3.6x	16.0x	10.2x	9.4x
	OneSpan	16.67	16.68	99.9%	57.7%	77	649	577	2.5x	2.4x	2.3x	NM	9.8x	9.1x
	Cognyte	6.79	8.70	78.0%	8.8%	92	502	445	1.4x	1.3x	1.2x	NM	17.5x	13.5x
	W/TH	1.17	1.39	84.3%	2.2%	24	205	193	1.2x	1.1x	1.1x	NM	47.3x	17.1x
	<b>₹</b> Telos*	3.59	5.03	71.4%	(11.8%)	70	256	190	1.3x	1.8x	1.5x	NM	NM	NM
						Top Quartile	\$8,722	\$10,698	4.4x	4.3x	4.1x	17.4x	17.1x	15.3x
						Mean	5,856	6,360	3.8x	3.7x	3.5x	16.1x	16.8x	12.7x
						Median	2,535	3,193	3.8x	3.5x	3.3x	15.5x	12.8x	11.3x
						First Quartile	539	585	2.1x	2.3x	2.2x	14.6x	10.2x	9.4x

# High-Growth Cybersecurity Operating Metrics

in Millions, Except Price per Share)					Revenue			EBITDA			Revenue Growth				EBITDA Margin		
Company	Stock Price	<u>Equity</u> Mkt Cap	Enterprise Value	CY 2023A	CY 2024E	CY 2025E	CY 2023A	CY 2024E	CY 2025E	2022A-2023A	2023-2024E	2024-2025E	CY 2023A	CY 2024E	CY 2025E		
CROWDSTRIKE	\$280.47	\$69,680	\$65,542	\$3,056	\$3,899	\$4,785	\$106	\$958	\$1,199	36.3%	27.6%	22.7%	3.5%	24.6%	25.1%		
<b>Ezscaler</b>	170.94	25,570	24,899	1,896	2,386	2,872	(153)	574	717	40.6%	25.9%	20.4%	NM	24.1%	25.0%		
CYBERARK*	291.61	12,338	11,725	752	939	1,146	(100)	128	198	27.1%	24.9%	22.0%	NM	13.6%	17.3%		
SentinelOne	23.92	7,289	6,900	621	816	1,030	(340)	(14)	54	47.1%	31.3%	26.2%	NM	NM	5.3%		
	Top Quartile	\$36,598	\$35,060	\$2,186	\$2,765	\$3,351	(\$48)	\$670	\$838	42.2%	28.6%	23.6%	3.5%	24.3%	25.0%		
	Mean	29,021	27,266	1,581	2,010	2,458	(122)	412	542	37.8%	27.4%	22.8%	3.5%	20.8%	18.2%		
	Median	19,558	18,312	1,324	1,663	2,009	(127)	351	458	38.5%	26.8%	22.3%	3.5%	24.1%	21.1%		
	First Quartile	11,981	10,519	719	908	1,117	(200)	93	162	34.0%	25.6%	21.6%	3.5%	18.9%	14.3%		

# Medium-Growth Cybersecurity Operating Metrics

(\$ in Millions,	, Except Pric	re per Share)		Revenue		EBITDA			R	EBITDA Margin						
Com	npany	Stock Price	Equity Mkt Cap	Enterprise Value	CY 2023A	CY 2024E	CY 2025E	CY 2023A	CY 2024E	CY 2025E	2022A-2023A	2023-2024E	2024-2025E	CY 2023A	CY 2024E	CY 2025E
<b></b> BRO⊅	ADCOM <sup>®</sup>	\$172.50	\$799,710	\$865,681	\$38,865	\$54,297	\$62,525	\$20,404	\$33,812	\$40,113	12.9%	39.7%	15.2%	52.5%	62.3%	64.2%
/// pal	loalto <sup>*</sup>	341.80	120,997	110,122	7,527	8,523	9,779	973	2,580	2,984	22.3%	13.2%	14.7%	12.9%	30.3%	30.5%
F <b>∷</b> R1	FINET:	77.55	59,805	57,056	5,305	5,855	6,574	1,350	1,937	2,131	20.1%	10.4%	12.3%	25.4%	33.1%	32.4%
ok	ta	74.34	12,387	11,490	2,263	2,564	2,837	(376)	553	628	21.8%	13.3%	10.7%	NM	21.6%	22.1%
() ter	nable	40.52	4,783	4,751	799	893	993	(11)	183	225	16.9%	11.8%	11.3%	NM	20.5%	22.7%
Mil	tek	8.67	402	425	164	169	186	22	43	0	3.6%	3.1%	10.2%	13.2%	25.5%	NM
<b>√</b> ris	kıfıed	4.73	839	413	298	322	357	(73)	15	31	13.9%	8.1%	10.9%	NM	4.7%	8.6%
		Top Quartile	\$90,401	\$83,589	\$6,416	\$7,189	\$8,176	\$1,161	\$2,258	\$2,558	20.9%	13.3%	13.5%	32.2%	31.7%	31.9%
		Mean	142,702	149,991	7,889	10,374	11,893	3,184	5,589	6,587	15.9%	14.2%	12.2%	26.0%	28.3%	30.1%
		Median	12,387	11,490	2,263	2,564	2,837	22	553	628	16.9%	11.8%	11.3%	19.3%	25.5%	26.6%
		First Quartile	2,805	2,588	548	607	675	(42)	113	128	13.4%	9.3%	10.8%	13.1%	21.0%	22.3%

# Low-Growth Cybersecurity Operating Metrics

(\$ in Millio	ns, Except Pric	re per Share)			Revenue				EBITDA			Revenue Growth				in
Co	<u>ompany</u>	Stock Price	Equity Mkt Cap	Enterprise Value	CY 2023A	CY 2024E	CY 2025E	CY 2023A	CY 2024E	CY 2025E	2022A-2023A	2023-2024E	2024-2025E	CY 2023A	CY 2024E	CY 2025E
	Gen	\$27.43	\$17,336	\$24,816	\$3,789	\$3,883	\$4,021	\$1,668	\$2,312	\$2,416	22.0%	2.5%	3.5%	44.0%	59.5%	60.1%
CI	HECK POINT	192.81	22,081	18,184	2,415	2,564	2,704	933	1,135	1,198	3.6%	6.2%	5.5%	38.6%	44.3%	44.3%
₫ (	opentext"	33.28	9,039	14,192	5,696	5,467	5,405	1,435	1,795	1,834	61.2%	(4.0%)	(1.1%)	25.2%	32.8%	33.9%
		220.20	13,071	12,159	2,805	2,818	2,934	725	1,053	1,143	3.6%	0.4%	4.1%	25.9%	37.4%	39.0%
<b>②</b> '	TREND	59.23	7,771	6,314	1,764	1,890	2,007	432	492	558	4.0%	7.1%	6.2%	24.5%	26.0%	27.8%
(	Qualys.	128.46	4,823	4,224	554	600	647	190	262	275	13.2%	8.2%	7.9%	34.3%	43.7%	42.5%
sola	arwinds	13.05	2,236	3,306	759	783	818	227	371	379	5.5%	3.2%	4.5%	29.9%	47.3%	46.3%
R/	APIDI	39.89	2,834	3,081	778	835	904	19	180	196	13.5%	7.4%	8.2%	2.4%	21.5%	21.6%
Sec	cureworks	8.85	771	744	366	330	344	(63)	23	35	(21.1%)	(9.7%)	4.0%	NM	7.0%	10.2%
F	F-Secure	2.41	409	611	144	164	171	38	60	65	21.5%	14.0%	3.8%	26.4%	36.6%	38.1%
	OneSpan	16.67	649	577	235	243	254	(5)	59	63	7.4%	3.3%	4.5%	NM	24.2%	24.9%
C	ognyte	6.79	502	445	313	345	370	(8)	25	33	0.4%	10.1%	7.3%	NM	7.4%	8.9%
V	//TH°	1.17	205	193	158	168	180	(29)	4	11	9.7%	6.4%	7.1%	NM	2.4%	6.3%
Ŷ	Telos	3.59	256	190	145	106	126	(35)	(19)	(0)	(33.0%)	(27.2%)	1.5%	NM	NM	NM
		Top Quartile	\$8,722	\$10,698	\$2,252	\$2,395	\$2,530	\$652	\$913	\$997	13.4%	7.3%	6.8%	34.3%	43.7%	42.5%
		Mean	5,856	6,360	1,423	1,443	1,492	395	554	586	8.0%	2.0%	4.8%	27.9%	30.0%	31.1%
		Median	2,535	3,193	657	692	733	114	221	236	6.4%	4.7%	4.5%	26.4%	32.8%	33.9%
		First Quartile	539	585	255	265	276	(7)	34	42	3.6%	1.0%	3.9%	25.2%	21.5%	21.6%

# Disclaimer

© 2024 Houlihan Lokey. All rights reserved. This material may not be reproduced in any format by any means or redistributed without the prior written consent of Houlihan Lokey.

Houlihan Lokey is a trade name for Houlihan Lokey, Inc., and its subsidiaries and affiliates, which include the following licensed (or, in the case of Singapore, exempt) entities: in (i) the United States: Houlihan Lokey Capital, Inc., Houlihan Lokey Advisory, Inc., and Waller Helms Securities, LLC, each an SEC-registered broker-dealer and members of FINRA (www.finra.org) and SIPC (www.sipc.org) (investment banking services); (ii) Europe: Houlihan Lokey UK Limited (FRN 792919), Houlihan Lokey Advisory Limited (FRN 116310), and Houlihan Lokey PFG Advisory Limited (FRN 725267), authorized and regulated by the U.K. Financial Conduct Authority; Houlihan Lokey (Europe) GmbH, authorized and regulated by the German Federal Financial Supervisory Authority (Bundesanstalt für Finanzidiensteistungsaufscicht); Houlihan Lokey Private Funds Advisory S.A., a member of CNCEF Patrimoine and registered with the ORIAS (#14002730); (iii) the United Arab Emirates, Dubai International Financial Centre (Dubai): Houlihan Lokey (MEA Financial Advisory) Ltd., regulated by the Dubai Financial Services Authority; (iv) Singapore: Houlihan Lokey (Singapore) Private Limited an "exempt corporate finance adviser" able to provide exempt corporate finance advisory services to accredited investors only; (v) Hong Kong SAR: Houlihan Lokey (China) Limited, licensed in Hong Kong by the Securities and Futures Commission to conduct Type 1, 4, and 6 regulated activities to professional investors only; (vi) India: Houlihan Lokey Advisory (India) Private Limited, registered as an investment adviser with the Securities and Exchange Board of India (registration number INA000001217); and (vii) Australia: Houlihan Lokey (Australia) Pty Limited (ABN 74 601 825 227), a company incorporated in Australia and licensed by the Australian Securities and Investments Commission (AFSL number 474953) in respect of financial services provided to wholesale clients only. In the United Kingdom, European Economic Area (EEA), Dubai, Singapore, Hong Kong, and Australia, this co

Houlihan Lokey gathers its data from sources it considers reliable; however, it does not guarantee the accuracy or completeness of the information provided within this presentation. The material presented reflects information known to the authors at the time this presentation was written, and this information is subject to change. Any forward-looking information and statements contained herein are subject to various risks and uncertainties, many of which are difficult to predict, that could cause actual results and developments to differ materially from those expressed in, or implied or projected by, the forward-looking information and statements. In addition, past performance should not be taken as an indication or guarantee of future performance, and information contained herein may be subject to variation as a result of currency fluctuations. Houlihan Lokey makes no representations or warranties, expressed or implied, regarding the accuracy of this material. The views expressed in this material accurately reflect the personal views of the authors regarding the subject securities and issuers and do not necessarily coincide with those of Houlihan Lokey. Officers, directors, and partners in the Houlihan Lokey group of companies may have positions in the securities of the companies discussed. This presentation does not constitute advice or a recommendation, offer, or solicitation with respect to the securities of any company discussed herein, is not intended to provide information upon which to base an investment decision, and should not be construed as such. Houlihan Lokey or its affiliates may from time to time provide financial or related services to these companies. Like all Houlihan Lokey employees, the authors of this presentation receive compensation that is affected by overall firm profitability.

