## Infrastructure and Cybersecurity Software Update

Harris Williams | Q4 2022

## Infrastructure and Cybersecurity Software Observations and Key Trends

Persistent macrotrends in automation, remote accessibility, and digitization continue to drive investor interest in infrastructure and cybersecurity software.



## Infrastructure and Cybersecurity Software Market Landscape



#### HW HarrisWilliams

## What We're Reading

#### Forbes: The Largest Attack Surface: Why Enterprises Need to Bolster Their Go-To-Market Security Efforts

#### **Cybersecurity News**

"Over recent years, GTM leaders have taken a stand, propelling themselves to the front lines of security, fighting bots, fake users, bad actors, fraudsters, and other threats that compromise the integrity of their operation. The 'new boardroom discussion' is all about the GTM's security posture, as leaders are expected to build cyber resilience around their go-to-market operation. The expectation is that every asset in the GTM environment should be protected from abuse, exploitation, and fraud, an expectation that is now becoming top of mind for any modern-day org."

Read the full article here.

#### LEK: Threat Intelligence: As Threats Escalate, the Market Evolves

#### **Cybersecurity News**

"Threats are not going away. We live in a world of increasing complexity, fragility, and stress. That spells opportunity for vendors and investors able to respond to—and drive—value chain transformation. The threat intelligence leaders of the future will be those vendors that can take a holistic view and develop holistic offerings. One thing is certain: The array of organizational threats will be more intense in five years than it is today."

Read the full article <u>here</u>.

### Oliver Wyman: Mid-Market: The New Frontier for IT Services

#### **IT Services News**

"In the aftermath of the pandemic, many companies have decided to catch up with key investments to accelerate the transformation to the cloud, address growing cybersecurity requirements and, ultimately, modernize their application landscape. Until now, about half of mid-market customers have opted to manage IT primarily in-house, due to concerns about protecting sensitive data and the cost advantage."

Read the full article <u>here</u>.

#### Venture Beat: 5 Ways to Secure DevOps

#### DevOps News

"A typical devops team in a \$500 million enterprise has more than 200 concurrent projects in progress, with over 70% dedicated to safeguarding and improving digital customer experiences. Devops teams are looking to save every second they can on every project, as a large percentage of their total compensation is on the line. Boston Consulting Group (BCG) says that the more software-intensive a business is, the faster and more effective the delivery of new offerings needs to be to create competitive advantages, making it a critical capability for long-term survival."

Read the full article <u>here</u>.



Recent HW Infrastructure and Cybersecurity Software Content

Observations on the European Software Sector



Link to Read

Observations on the Compliance Technology Sector



Link to Read

## Select Q3 2022 Infrastructure and Cybersecurity Software Transactions



## **Infrastructure Software – DevOps Market Ecosystem**









#### **Security Solutions**

#### HW HarrisWilliams

## Infrastructure and Cybersecurity Software Public Company Trended Stock Performance



## Infrastructure and Cybersecurity Software Public Company Operating and Valuation Metrics



## Harris Williams: At a Glance



- **30 years** and thousands of deals closed
- **100%** of revenue is from M&A advisory
- **70%** of revenue from repeat clients
- om M&A advisory 8 offices acro
- 8 offices across the U.S. and Europe
- 10 industry groups with deep sector expertise

The Harris Williams Technology Group

#### **Technology Coverage Areas**

• Application Software • Infrastructure & Cybersecurity Software • IT & Managed Services

Compliance

Industrial

Legal

#### **Sector Coverage Areas**

- Architecture, Engineering & Construction
- Education
- Human Capital Management
- Pharma

#### Thematic Focus Areas

• SaaS / Cloud • Integrated Payments • Digital Transformation • AI / Machine Learning

• Real Estate & Property Tech

#### **Harris Williams Contacts**

Priyanka Naithani	
Managing Director	
onaithani@harriswilliams.com	
(617) 654-2115	

- Julien Oussadon Managing Director joussadon@harriswilliams.com +44 20 7518 8909
- Rebecca Herter Vice President rherter@harriswilliams.com (617) 654-2131

- eCommerce & Retail
- Government & Public Sector
  Healthcare
  - Office of the CFO
  - Supply Chain & Logistics

H<sub>W</sub> HarrisWilliams

## Harris Williams Infrastructure and Cybersecurity Software and Services Experience

and

CAPITA

#### Selected Infrastructure and Cybersecurity Software Experience



# accenture

#### **Harris Williams Client Engagement**



#### **Company Background**

Inspirage delivers end-to-end transformational initiatives solving the most critical supply chain challenges for product-based companies. The company provides deep industry expertise and unparalleled knowledge of Oracle's cloud-based applications to deliver consulting, IP, and implementation solutions spanning product lifecycle management, supply chain management, logistics, ERP (enterprise resource planning), finance, enterprise performance management, and digital transformation. Inspirage partners with their customers to break down information silos and optimize performance to accelerate innovation, fuel growth, and achieve operational excellence. Successful Outcome

The transaction delivered a successful outcome for Inspirage and Accenture. The acquisition will further enhance Accenture's Oracle Cloud capabilities, helping the combined partnership accelerate innovation for clients through emerging technologies. Completion of the acquisition is subject to customary closing conditions.

Harris Williams served as financial advisor to Inspirage in this transaction.

#### **Harris Williams Client Engagement**



#### **Company Background**

AST is a leading full-service enterprise systems integrator that serves over 200 public sector and commercial customers around the world. Clients rely on AST to lead and assist in systems integration, business process redesign, project management, systems administration, and training. AST's services span enterprise resource planning, business intelligence, enterprise performance management, customer experience, and middleware through on-premise and cloud technology.

#### Successful Outcome

The transaction delivered a successful outcome for AST and Recognize. The partnership between AST and Recognize will accelerate efforts to create a more differentiated, purposeful digital transformation services provider through the enhancement of its global delivery footprint and expansion of solution offerings.

Harris Williams served as financial advisor to AST in this transaction.

## H<sub>V</sub> HarrisWilliams

# Harris Williams

Harris Williams has a broad range of industry expertise, which creates powerful opportunities. Our clients benefit from our deep sector experience, integrated industry intelligence and collaboration across the firm, and our commitment to learning what makes them unique. For more information, visit our website at www.harriswilliams.com.



#### **Office Locations**

#### **United States**

#### Boston

One International Place Suite 2620 Boston, Massachusetts 02110 Phone: +1 (617) 482-7501

#### Cleveland

1900 East 9th Street 25th Floor Cleveland, Ohio 44114 Phone: +1 (216) 689-2400

#### Minneapolis

Suite 3350

Richmond

9th Floor

1001 Haxall Point

222 South 9th Street Minneapolis, Minnesota 55402 Phone: +1 (612) 359-2700

Washington, D.C. 2nd Floor Richmond, Virginia 23219 Phone: +1 (804) 648-0072

#### Europe

Frankfurt

One Market Plaza, Steuart Tower 11th Floor San Francisco, California 94105 Phone: +1 (415) 288-4260

San Francisco

800 17th St. NW Washington, D.C. 20006 Phone: +1 (202) 207-2300 London 25 Savile Row 4th Floor London, England W1S 2ER Phone: +44 020 7518 8900

Phone: +49 069 3650638 00

60325 Frankfurt

Germany

Bockenheimer Landstrasse 33-35

#### H<sub>W</sub> Harris Williams

## **Sources and Disclosures**

#### Sources

1. S&P Capital IQ

#### **Disclosures and Disclaimers**

Harris Williams LLC is a registered broker-dealer and member of FINRA and SIPC. Harris Williams & Co. Ltd is a private limited company incorporated under English law with its registered office at 8th Floor, 20 Farringdon Street, London EC4A 4AB, UK, registered with the Registrar of Companies for England and Wales (registration number 07078852). Harris Williams & Co. Ltd is authorized and regulated by the Financial Conduct Authority. Harris Williams & Co. Corporate Finance Advisors GmbH is registered in the commercial register of the local court of Frankfurt am Main, Germany, under HRB 107540. The registered address is Bockenheimer Landstrasse 33-35, 60325 Frankfurt am Main, Germany (email address: hwgermany@harriswilliams.com). Geschäftsführer/Directors: Jeffery H. Perkins, Paul Poggi. (VAT No. DE321666994). Harris Williams is a trade name under which Harris Williams LLC, Harris Williams & Co. Ltd and Harris Williams & Co. Corporate Finance Advisors GmbH conduct business.

Investment banking services are provided by Harris Williams LLC ("Harris Williams"). Harris Williams is a registered broker-dealer and member of FINRA and SIPC. Harris Williams & Co. Ltd is a private limited company incorporated under English law with its registered office at 8th Floor, 20 Farringdon Street, London EC4A 4AB, UK, registered with the Registrar of Companies for England and Wales, registration number 07078852. Harris Williams & Co. Ltd is authorized and regulated by the Financial Conduct Authority. Harris Williams & Co. Corporate Finance Advisors GmbH is registered in the commercial register of the local court of Frankfurt am Main, Germany, under HRB 107540. The registered address is Bockenheimer Landstrasse 33-35, 60325 Frankfurt am Main, Germany (email address: <u>hwgermany@harriswilliams.com</u>). Geschäftsführers/Directors: Jeffery H. Perkins, Paul Poggi, VAT No. DE321666994. Harris Williams is a trade name under which Harris Williams LLC, Harris Williams & Co. Ltd and Harris Williams & Co. Corporate Finance Advisors GmbH conduct business.

The information and views contained in this content have been prepared in part by Harris Williams. This content does not purport to be comprehensive or to contain all the information that a recipient may need in order to evaluate any investment or potential transaction. This content is not a research report, as such term is defined by applicable law and regulations, and is provided for informational purposes only. Any and all information, including estimates, projections and other forward-looking statements, presented in this document may involve various assumptions and significant elements of subjective judgment and analysis that may or may not be correct. Harris Williams has not independently verified, and neither Harris Williams nor any other person will independently verify, any of the information, estimates, projections or forward-looking statements contained herein or the assumptions on which they are based. The information contained in this document is made as of the date hereof unless stated otherwise. Harris Williams does not expect to update or otherwise revise this document nor provide any additional information, nor correct any inaccuracies herein which may become apparent.

This content is intended for institutional use only and should not be reliable but Harris Williams makes no representation or warranty as to the accuracy or completeness of such information, and information contained herein that is based on material prepared by others may involve significant elements of subjective judgment and analysis which may or may not be correct. Opinions, estimates and projections contained herein constitute Harris Williams' judgment and are subject to change without notice.

This content is not to be construed as investment advice an offer to buy or sell or a solicitation of an offer to buy or sell any financial instruments or to participate in any particular transaction, nor shall this content form the basis of any contract. It does not constitute and should not be construed as an endorsement or recommendation of any entities' products or services.

No part of this material may be copied or duplicated in any form or by any means, or redistributed, without Harris Williams' prior written consent.

### HW Harris Williams



# Appendix

## Infrastructure Software Public Market Operational and Valuation Metrics

\$ in millions				Revenue	Growth		Enterprise Valu	e / Revenue	Enterprise Val	ue / EBITDA
Company	Enterprise Value	Market Capitalization	% of 52 Week High	LTM	NTM	LTM EBITDA Margin	LTM	NTM	LTM	NTM
Diversified Infrastructure Software										
Microsoft	\$1,894,161	\$1,920,840	73.4%	18.0%	10.4%	49.4%	9.6x	8.7x	19.3x	17.4x
Oracle	244,234	186,198	65.7%	4.8%	17.8%	43.6%	5.8x	4.9x	13.2x	10.5x
Cisco Systems	166,960	176,571	66.3%	5.6%	1.1%	31.2%	3.2x	3.2x	10.4x	8.8x
IBM	174,116	126,991	95.7%	27.3%	3.2%	20.4%	2.9x	2.8x	14.3x	10.6x
SAP	115,251	106,371	70.0%	(4.3%)	4.6%	21.4%	3.7x	3.6x	17.5x	11.0x
Software AG	2,062	2,445	75.1%	(7.4%)	13.6%	17.4%	2.3x	2.0x	13.1x	9.9x
Median	\$170,538	\$151,781	71.7%	5.2%	7.5%	26.3%	3.5x	3.4x	13.8x	10.5x
Cloud / SaaS Infrastructure Software										
ServiceNow	\$93 <i>,</i> 516	\$95 <i>,</i> 323	67.2%	27.7%	19.1%	10.2%	14.2x	11.9x	NM	38.2x
Atlassian	47,641	47,641	38.8%	34.2%	16.7%	NM	17.0x	14.6x	NM	79.6x
MongoDB	17,087	17,676	44.0%	52.3%	29.3%	NM	17.5x	13.5x	NM	NM
Okta	14,163	14,263	32.7%	62.0%	32.7%	NM	9.7x	7.3x	NM	NM
Zendesk	8,905	9,131	48.3%	30.7%	18.5%	NM	5.9x	5.0x	NM	41.8x
Qualys	4,404	4,899	84.0%	16.6%	12.8%	36.4%	9.8x	8.7x	27.0x	22.5x
Smartsheet	3,698	4,069	36.7%	44.3%	35.3%	NM	6.1x	4.5x	NM	NM
New Relic	3,101	3,349	38.6%	19.8%	12.4%	NM	3.8x	3.4x	NM	29.3x
Nutanix	3,382	3,281	32.9%	19.1%	(1.6%)	NM	2.1x	2.2x	NM	NM
Median	\$8,905	\$9,131	38.8%	30.7%	18.5%	23.3%	9.7x	7.3x	27.0x	38.2x
Median	\$17,087	\$17,676	65.7%	19.8%	13.6%	26.3%	5.9x	4.9x	14.3x	17.4x

## Infrastructure Software Public Market Operational and Valuation Metrics by Sector

\$ in millions				Revenue	Growth		Enterprise Valu	e / Revenue	Enterprise Valu	ue / EBITDA
Company	Enterprise Value	Market Capitalization	% of 52 Week High	LTM	NTM	LTM EBITDA Margin	LTM	NTM	LTM	NTM
Service Support Management										
ServiceNow	\$93,516	\$95 <i>,</i> 323	67.2%	29.5%	25.7%	11.4%	14.9x	11.9x	NM	38.2x
Zendesk	\$8,905	\$9,131	48.3%	31.1%	25.8%	NM	6.2x	5.0x	NM	41.8x
PagerDuty	\$2,016	\$2,177	49.2%	33.3%	28.1%	NM	6.6x	5.2x	NM	NM
IT Operations Management										
SolarWinds	\$2,868	\$1,645	29.1%	12.1%	4.4%	14.0%	4.0x	3.8x	28.4x	9.4x
Sumo Logic	\$514	\$867	31.9%	22.0%	19.3%	NM	2.0x	1.7x	NM	NM
Remote Connectivity and Collaboration										
Atlassian	\$47,641	\$47,641	38.8%	32.8%	25.7%	NM	18.3x	14.6x	NM	79.6x
Twilio	\$11,278	\$15,227	20.3%	57.4%	32.0%	NM	3.6x	2.7x	NM	46.3x
Dropbox	\$8,691	\$7,825	63.6%	12.1%	7.2%	22.3%	3.9x	3.7x	17.7x	10.1x
Smartsheet	\$3,698	\$4,069	36.7%	44.3%	35.3%	NM	6.1x	4.5x	NM	NM
Asana	\$3,318	\$3,345	12.1%	65.0%	37.1%	NM	7.9x	5.7x	NM	NM
Virtualizaton / Client Computing										
VMware	\$57,363	\$48,036	67.9%	7.6%	7.0%	22.3%	4.4x	4.1x	19.8x	11.5x
Citrix Systems	\$15,040	\$12,300	81.6%	3.7%	0.8%	18.3%	4.6x	4.6x	25.1x	13.4x
Nutanix	\$3,382	\$3,281	32.9%	19.1%	(1.8%)	NM	2.1x	2.2x	NM	NM
Mobile Device Management										
Jamf	\$3,198	\$2,968	50.3%	35.9%	27.3%	NM	8.1x	6.4x	NM	NM

## Infrastructure Software Public Market Operational and Valuation Metrics by Sector (cont.)

\$ in millions				Revenue	Growth		Enterprise Valu	ie / Revenue	Enterprise Val	ue / EBITDA
Company	Enterprise Value	Market Capitalization	% of 52 Week High	LTM	NTM	LTM EBITDA Margin	LTM	NTM	LTM	NTM
Application Performance Management										
Datadog	\$29,140	\$30,002	47.7%	77.9%	47.6%	2.2%	24.4x	16.5x	NM	NM
Dynatrace	\$11,189	\$11,313	49.2%	32.1%	23.8%	13.1%	12.0x	9.7x	91.6x	40.5x
New Relic	\$3,101	\$3,349	38.6%	17.7%	17.6%	NM	3.9x	3.4x	NM	29.3x
Business Process Management										
Pegasystems	\$4,269	\$3,914	33.6%	19.6%	17.3%	NM	3.3x	2.9x	NM	34.8x
Appian	\$3,322	\$3 <i>,</i> 426	33.7%	25.5%	19.9%	NM	8.4x	7.0x	NM	NM
Rapid Application Development										
DigitalOcean	\$4,132	\$4,223	31.0%	36.3%	32.1%	11.1%	8.9x	6.8x	80.5x	20.4x
Appian	\$3,322	\$3,426	33.7%	25.5%	19.9%	NM	8.4x	7.0x	NM	NM
Progress Software	\$2 <i>,</i> 404	\$1,983	83.9%	22.1%	6.2%	35.0%	4.1x	3.9x	11.8x	11.0x
C3 AI	\$978	\$1,940	28.3%	38.0%	23.2%	NM	3.9x	3.1x	NM	NM
Data Management										
Snowflake	\$39,412	\$44,233	34.3%	98.4%	59.5%	NM	27.9x	17.5x	NM	NM
Palantir	\$16,308	\$18,563	31.0%	36.7%	28.6%	NM	9.9x	7.7x	NM	27.2x
Splunk	\$16,869	\$14,236	50.1%	23.9%	22.6%	NM	5.9x	4.8x	NM	92.8x
Informatica	\$7,163	\$5,816	51.8%	9.3%	11.7%	16.3%	4.9x	4.4x	29.8x	18.8x
Alteryx	\$3,814	\$3,302	55.7%	13.9%	33.7%	NM	6.6x	5.0x	NM	NM
Domo	\$979	\$938	28.3%	22.9%	21.6%	NM	3.6x	3.0x	NM	NM

## Infrastructure Software Public Market Operational and Valuation Metrics by Sector (cont.)

As of September 30, 2022										
\$ in millions				Revenue	Growth		Enterprise Valu	ue / Revenue	Enterprise Val	ue / EBITDA
Company	Enterprise Value	Market Capitalization	% of 52 Week High	LTM	NTM	LTM EBITDA Margin	LTM	NTM	LTM	NTM
Enterprise Data Search										
Elastic	\$6,152	\$6 <i>,</i> 419	35.6%	41.7%	26.0%	NM	7.1x	5.7x	NM	NM
Database System										
MongoDB	\$17,087	\$17,676	44.0%	52.3%	29.3%	NM	17.5x	13.5x	NM	NM
Couchbase	\$539	\$732	31.4%	20.6%	18.6%	NM	4.1x	3.5x	NM	NM
Application Lifecycle Management /	Collaboration									
Atlassian	\$47,641	\$47,641	38.8%	32.8%	25.7%	NM	18.3x	14.6x	NM	79.6x
GitLab	\$6,950	\$7,849	38.8%	70.5%	52.8%	NM	24.0x	15.7x	NM	NM
JFrog	\$1,679	\$2,082	43.4%	38.1%	31.4%	NM	7.5x	5.7x	NM	94.7x
PaaS										
Salesforce.com	\$165,087	\$164,215	52.9%	25.0%	18.4%	9.6%	5.9x	5.0x	61.7x	17.8x
IaaS										
Amazon	\$1,161,506	\$1,080,624	56.3%	14.0%	13.6%	11.7%	2.4x	2.1x	20.9x	15.0x
HashiCorp	\$4,091	\$5,428	28.6%	53.3%	28.2%	NM	11.5x	9.0x	NM	NM
Digital / Cloud / Agile Services										
EPAM Systems	\$15,800	\$16,847	40.6%	48.8%	19.3%	17.1%	3.8x	3.2x	22.3x	20.7x
Globant	\$7,060	\$7,269	49.1%	60.0%	31.6%	16.8%	4.9x	3.8x	29.5x	18.4x
Endava	\$4,827	\$4,912	51.2%	43.9%	18.1%	17.9%	6.0x	5.1x	33.7x	21.0x
Thoughtworks	\$4,584	\$4,379	41.0%	39.6%	24.5%	NM	4.0x	3.2x	NM	17.3x
Rackspace	\$5,300	\$1,512	35.3%	10.0%	7.1%	20.7%	1.7x	1.6x	8.4x	7.8x

## Infrastructure Software Public Market Operational and Valuation Metrics by Sector (cont.)

\$ in millions				Revenue	Growth		Enterprise Valu	ie / Revenue	Enterprise Val	ue / EBITDA
Company	Enterprise Value	Market Capitalization	% of 52 Week High	LTM	NTM	LTM EBITDA Margin	LTM	NTM	LTM	NTM
Edge Computing / Web Performance										
Akamai	\$16,591	\$14,641	74.1%	7.5%	5.9%	34.3%	4.7x	4.4x	13.7x	10.4x
Cloudflare	\$14,122	\$14,273	19.7%	52.9%	42.2%	NM	19.3x	13.6x	NM	NM
Data Protection and Backup										
Backblaze	\$101	\$161	14.3%	27.0%	23.5%	NM	1.4x	1.1x	NM	NM
User Experience / Product Management										
Amplitude	\$1,307	\$1,594	16.2%	66.3%	33.2%	NM	7.0x	5.2x	NM	NM
UserTesting	\$571	\$717	31.4%	47.1%	30.2%	NM	3.5x	2.7x	NM	NM
Median	\$5,063	\$5,170	38.8%	32.4%	24.1%	16.8%	5.9x	4.7x	25.1x	20.4x

## Cybersecurity Software Public Market Operational and Valuation Metrics by Sector

\$ in millions				Revenue	Growth		Enterprise Valu	ie / Revenue	Enterprise Val	ue / EBITDA
Company	Enterprise Value	Market Capitalization	% of 52 Week High	LTM	NTM	LTM EBITDA Margin	LTM	NTM	LTM	NTM
Endpoint Protection / Anti-Virus										
Crowdstrike	\$37,752	\$39,118	56.5%	63.8%	46.2%	NM	23.1x	15.8x	NM	91.5x
Check Point Software	\$11,830	\$15,602	81.4%	6.7%	3.7%	40.1%	5.3x	5.1x	13.1x	11.3x
NortonLifeLock	\$14,485	\$12,547	71.0%	9.6%	4.9%	47.3%	5.2x	4.9x	11.0x	9.3x
Trend Micro	\$4,915	\$6 <i>,</i> 807	0.6%	(8.1%)	6.8%	31.1%	3.3x	3.1x	10.5x	10.7x
SentinelOne	\$4,921	\$6,508	29.7%	118.4%	89.4%	NM	20.0x	10.6x	NM	NM
Enterprise Network Firewall										
Palo Alto Networks	\$49,291	\$49,214	77.1%	29.7%	23.8%	NM	9.5x	7.7x	NM	32.4x
Fortinet	\$44,276	\$45,413	76.1%	31.1%	20.7%	21.5%	11.6x	9.6x	53.9x	34.5x
Check Point Software	\$11,830	\$15,602	81.4%	6.7%	3.7%	40.1%	5.3x	5.1x	13.1x	11.3x
Web Security / Secure Web Gateway										
Zscaler	\$20,557	\$21,210	39.8%	61.1%	41.1%	NM	21.2x	15.0x	NM	NM
Identity and Access Management										
Okta	\$14,163	\$14,263	32.7%	62.0%	32.7%	NM	9.7x	7.3x	NM	NM
CyberArk Software	\$4,473	\$5,129	63.4%	12.8%	15.6%	NM	8.2x	7.1x	NM	NM
SailPoint Technologies	\$5,671	\$3 <i>,</i> 583	0.6%	24.6%	(2.3%)	15.9%	0.4x	0.4x	2.6x	4.2x
ForgeRock	\$1,492	\$1,805	43.8%	19.6%	20.7%	NM	7.9x	6.6x	NM	NM
Ping	\$1,644	\$1,547	59.7%	13.8%	14.4%	NM	5.3x	4.7x	NM	NM
Privileged Access Management										
CyberArk Software	\$4,473	\$5,129	63.4%	12.8%	15.6%	NM	8.2x	7.1x	NM	NM

## Cybersecurity Software Public Market Operational and Valuation Metrics by Sector (cont.)

\$ in millions				Revenue	Growth		Enterprise Valu	ie / Revenue	Enterprise Val	ue / EBITDA
Company	Enterprise Value	Market Capitalization	% of 52 Week High	LTM	NTM	LTM EBITDA Margin	LTM	NTM	LTM	NTM
Vulnerability Management										
Tenable	\$4,919	\$5,022	71.4%	26.4%	15.9%	NM	8.0x	6.9x	NM	70.7x
Qualys	\$4,404	\$4,899	84.0%	16.6%	12.8%	36.4%	9.8x	8.7x	27.0x	22.5x
Rapid7	\$4,576	\$3,892	46.1%	33.4%	17.7%	NM	7.4x	6.3x	NM	NM
Managed Security Services										
SecureWorks	\$757	\$922	40.4%	(7.6%)	(6.4%)	NM	1.5x	1.6x	NM	NM
Unified Threat Management / SMB										
Fortinet	\$44,276	\$45,413	76.1%	31.1%	20.7%	21.5%	11.6x	9.6x	53.9x	34.5x
Web Application Firewall										
Akamai	\$16,591	\$14,641	74.1%	7.1%	4.4%	33.8%	4.6x	4.4x	13.7x	10.4x
Cloudflare	\$14,122	\$14,273	19.7%	53.2%	27.8%	NM	17.4x	13.6x	NM	NM
Median	\$8,751	\$9,677	51.3%	25.5%	16.8%	33.8%	8.1x	7.0x	13.1x	16.9x

## **Recent Sector Transactions Detail**

Closed Date	Target	Acquirer	Business Description	Enterprise Value (\$M)	Implied EV / Revenue	Implied EV / EBITDA
Pending	Era Software	ServiceNow	Provider of a time-series database built for machine learning and anomaly detection	*	*	*
Pending	NetSPI	KKR & Co	Provider of threat and vulnerability management software and managed services	*	*	*
Pending	Malwarebytes	Vector Capital	Provider of malware prevention and remediation solutions	*	*	*
Pending	Reposify	CrowdStrike Holdings	Provider of an external surface management solution, which identifies, manages, and defends an organization's digital assets	*	*	*
Pending	KnowBe4	Vista Equity Partners Management	Provider of a SaaS-based security awareness platform	\$4,207	14.5x	NM
Pending	Hornetsecurity	TA Associates and PSG Equity	Provider of cloud-based security solutions	*	*	*
Pending	Micro Focus	Open Text Corporation	Provider of a broad set of technology for security, IT operations, applications delivery, governance, modernization, and analytics	\$5,880	2.1x	8.9x
Pending	Ping Identity	Thoma Bravo	Provider of multi-factor authentication, single sign-on, access management, API security, directory, and data governance capabilities	\$2,796	9.1x	NM
Pending	Zendesk	Hellman & Friedman and Permira	Provider of customer service software and sales CRM	\$9,891	6.9x	NM
10/04/22	Blue Hexagon	Qualys	Provider of cloud detection and response solutions	*	*	*
10/04/22	Kapstone	iC Consult	Provider of cybersecurity, security, consulting, and training services	*	*	*
09/28/22	ReleaselQ.io	CloudBees	Provider of a devops platform for stream management, delivery, and deployment	*	*	*
09/23/22	Mateso	Netwrix Corporation	Provider of password management software solutions	*	*	*
09/20/22	LogicHub	Devo	Provider of a security intelligence automation platform that automates the intelligence, context, and intuition of the cyber analysts	*	*	*
09/19/22	Salt Security	CrowdStrike Holdings	Provider of an application programming interface (API) security platform	*	*	*
09/14/22	7pace	Appfire Technologies	Provider of a time-tracking SaaS solution for professional software developers in enterprises	*	*	*
09/13/22	Hitachi ID Systems	Volaris Group	Provider of identity and access management software	*	*	*
09/12/22	Mandiant	Google	Provider of a threat intelligence and cybersecurity platform	\$5,357	11.1x	NM

## **Recent Sector Transactions Detail (cont.)**

Closed Date	Target	Acquirer	Business Description	Enterprise Value (\$M)	Implied EV / Revenue	Implied EV / EBITDA
09/12/22	Avast	NortonLifeLock	Provider of computer and network security solutions	\$7,662	8.2x	15.6x
09/08/22	Cloudways	DigitalOcean	Provider of managed cloud hosting services	\$350	*	*
09/08/22	Gravitee.io	The Riverside Company	Provider of an open source API platform enabling businesses to develop, secure, publish, and monitor APIs	*	*	*
09/08/22	SaaS Alerts	Insight Venture Management	Provider of cross-platform applications for security management to managed service providers	*	*	*
09/06/22	Bitwarden	Battery Ventures and PSG Equity	Provider of a password management solution to store and share sensitive data from any device	*	*	*
09/01/22	Drawbridge Partners	Francisco Partners	Provider of cybersecurity software intended for the alternative investment industry	*	*	*
09/01/22	Outflank	HelpSystems	Provider of IT security solutions offering security testing and red teaming	*	*	*
08/29/22	CUATROI	Cerberus Cyber Sentinel Corporation	Provider of managed services and cybersecurity solutions to organizations	*	*	*
08/11/22	Dundas Data Visualization	Global Software	Provider of data visualization solutions to help companies to visualize their data, spot key trends, and make business decisions	*	*	*
08/09/22	AppOmni	Cisco Investments	Provider of a cloud suite platform for enteprises to protect cloud data and security for SaaS applications	*	*	*
08/04/22	Seekret Software Security	Datadog	Provider of an API observability software as a service	*	*	*
07/31/22	ShiftRight	Zscaler	Provider of security workflow automation technology	*	*	*
07/29/22	Reinfer	UiPath	Provider of Al-based enterprise intelligence system solutions	\$52	*	*
07/28/22	Retool	Sequoia Capital Operations	Provider of a development platform intended to help build custom business tools	*	*	*
07/27/22	CrashPlan Group	Mill Point Capital	Provider of cloud-based endpoint data backup and recovery software	*	*	*
07/13/22	Pineapple Technology	Index Ventures	Provider of an online platform that creates, manages, and resolves incidents directly in slack	*	*	*
07/12/22	Outpost24	Vitruvian Partners	Provider of network security solutions that help customers manage security risk and meet compliance	*	*	*
07/08/22	Castellan Solutions	Riskonnect	Provider of business continuity management software	*	*	*