

#### **SECURITY MARKET FLASH REPORT**

North America's Most Active Information Security M&A Advisory Firm

**JULY 201** 

AGC's Information Security Team Maria Lewis Kussmaul, Co-Founder, Partner Eric Davis, Partner Russ Workman, Partner Ben Howe, Co-Founder, CEO



## The AGC Partners Security Team

#### **Boston**

Maria Lewis Kussmaul Co-Founder, Partner

Russ Workman
Partner

Eric Davis
Partner

Ben Howe CEO, Co-Founder, Partner

#### **Silicon Valley**

**Greg Roth** *Partner* 

#### London

Sean Tucker
Partner

### Maria Lewis Kussmaul Co-Founding Partner



- Maria is a co-founder of AGC Partners and is a Partner in the Investment Banking Group leading the firm's IT Security practice
- In over 30 years as a sell-side equity analyst, venture capitalist and investment banker, Maria has advised on 100s of telecom equipment, networking, internet and security transactions
- Maria's early Wall Street career spanned three firms Smith Barney, Shearson Lehman and Cowen & Co., culminating as global head of Cowen's Data Networks & Internet investment banking activities
- Previously, she was named to the Institutional Investor All-American Research Team for 13 consecutive years
- Maria holds a B.A. in Economics from Rutgers University, an M.B.A. from The Wharton School of Business and a Chartered Financial Analyst designation

Russ Workman
Partner



- Russ is a Partner in the Investment Banking Group at AGC Partners focused on IT Security and Defense Technologies
- Before joining AGC, Russ spent time in the technology banking group at Jefferies & Co. and has advised on more than 50 completed strategic advisory and capital raising assignments
- Before banking, Russ was a US Air Force Officer managing the acquisition of intelligence and information warfare systems for the Intelligence Community, and performed cyber vulnerability assessments of Air Force electronic systems
- Russ holds an M.B.A. in Finance and Accounting from the Wharton School of Business, an M.S. in Operations Research from Northeastern University, and a B.S. in Operations Research from the US Air Force Academy

Eric Davis
Partner



- Eric is a Partner in the Investment Banking Group at AGC Partners. He has over 20 years of experience in the financial services industry focusing on acquisition financing, capital raising, and early-stage equity investing
- Prior to joining AGC as a Principal, Eric was a Vice President in Citigroup's TMT and Infrastructure & Energy Finance groups
- He also previously worked as a Vice President of Project Finance and Investments at eleQtra, Inc., an emerging markets infrastructure development and investment fund
- Eric holds a M.A.L.D. with a concentration in International Business from the Fletcher School at Tufts University and a B.A. in Political Science from Middlebury College

Ben Howe Co-Founder, CEO



- Ben is a co-founder and the CEO of AGC Partners
- In over 30 years as an investment banker, Ben has completed more than 350 transactions
- Prior to AGC, he served as Head of Technology Investment Banking for the East Coast and Europe at Montgomery Securities, and as Managing Director, Head of M&A and Executive Committee Member at SG Cowen Securities
- Ben started his investment banking career in New York City with First Boston and Smith Barney
- He serves as Chairman of Excel Academy, which has four charter schools in East Boston, and served on the board of Portsmouth Abbey and the advisory board of Trinity College
- Ben holds a B.A. in Economics from Trinity College and an M.S. in Accounting from The Stern School of Business at NYU



# Zero Trust: Defeating the Enemy Within

Until recently, security models have been firewall-centric with the main focus on erecting a perimeter around the corporate network. The assumption was that anyone inside the perimeter was to be trusted, and those on the outside were not. However, this model has increasingly come under attack for two primary reasons. First and foremost, the perimeter itself is proving to be less effective. The total number of data breaches increased 424% in 2018, a clear indication that intruders are finding it easier to penetrate. Second, the model is losing relevance, owing to the migration of data to the cloud and the proliferation of Bring Your Own Device (BYOD) workplace policies. As a result, the perimeter has become more of an imaginary line and less of a clean demarcation of where the enterprise—its apps, its users, its devices—begins and ends.

These changes call for a new paradigm wherein the concept of trust in a security context is dramatically altered. In a Zero Trust framework, all users are treated equally regardless of whether they sit inside or outside of the corporate firewall. If anything, it is slightly inverted with more emphasis placed on the threats from within given that they are more recent. What matters is who you are, not where you are. Put simply, identity becomes the new perimeter. To accomplish this, it necessitates the convergence of network security and Identity Access Management (IAM), something that many industry insiders believe is long overdue.

Zero Trust is set to fundamentally change the way security is done in the coming years. It is creating new variations across virtually all segments of the security landscape, including Cloud Access Security Brokers (CASBs), IAM, Multi-Factor Authentication (MFA), and endpoint security. Not surprisingly, there has been a flurry of deal activity with \$3.2B in aggregate M&A deal value over the last twelve months at iconic valuations, Proofpoint's recently announced \$120M buyout of Meta Networks at more than 100x revenue being the most notable example (see page 7).

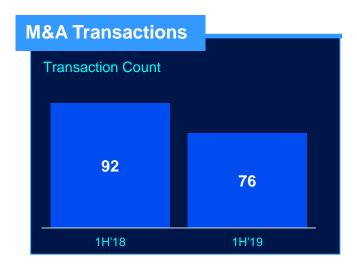
Cisco has so far made the biggest splash with its \$2.4B acquisition of Duo Security this time last year. While Duo is mainly associated with Zero Trust in an MFA context, this acquisition helped Cisco address other offerings including identification-as-a-service (IDaaS), micro-segmentation, and CASB. All signs point to other big name security vendors lining up to do deals. Palo Alto Networks and Symantec, identified by industry analysts as leaders in the Zero Trust space, are likely to explore bolt-on deals to solidify their positions. Symantec's \$170M acquisition of Luminate Security's secure access cloud technology earlier this year is the first such example. Palo Alto has pursued more of a stealth strategy. While not positioning these as Zero Trust products, the direction is clear. The company has spent more than \$750M in M&A shoring up its capabilities in cloud (Evident.io, RedLock), user analytics (LightCyber) and endpoint security (Cyvera) to create an end-to-end platform that works better in a Zero Trust environment.

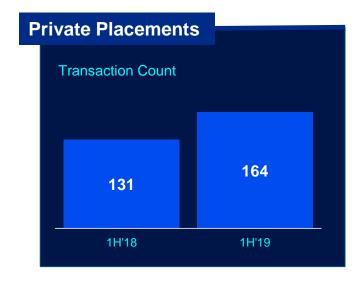
As Zero Trust has many moving parts, our expectation is that security vendors will continue to take baby steps towards implementing their framework over many years. This will involve leveraging existing investments to provide a foundation, punctuated by strategic acquisitions like those we have observed in the last year. Those vendors whose current offerings address the broadest cross-section of Zero Trust without substantial upgrades are in the best position, while those staying too tethered to the legacy firewall/VPN model will need to buy and build aggressively.



### Security Market Flash Report – 2Q19 in Review

- 32 M&A deals were announced this quarter, of which 12 had disclosed values for a total of \$2.7B (median size of \$110M).
   This compares to 43 M&A deals in 2Q18 (\$72M median size).
- The acquisitions of Recorded Future by Insight Venture Partners for \$780M, SecureLink by Orange for \$577M, and Twistlock by Palo Alto Networks for \$410M were the top M&A deals of the quarter with disclosed values.
- 81 financing transactions were completed with \$2.4B in total capital raised (median amount raised of \$16M). This compares to 69 financings and \$1.7B in capital raised for the same period, 2018 (\$12M median).
- KnowBe4's \$300M Series D, Druva's \$130M Series G, and SentinelOne's \$120M Series D were the top financing deals of the quarter.
- 35% of all financing deals were Early Stage (Seed to Series A).
   The median raise for these early rounds was \$9M.
- The most active sectors this quarter were Threat and Ecosystem Intel (17), Identity & Access Management (14), and Cloud (9).
- AGC advised on three security deals in the quarter, including the announced sale of Distil Networks to Imperva, a portfolio company of Thoma Bravo, and Swimlane's announced Series B financing.
- Also during the quarter, the previously announced sale of WhiteHat Security to NTT Security closed after being reviewed and cleared by CIFIUS. AGC was the exclusive advisor to WhiteHat.

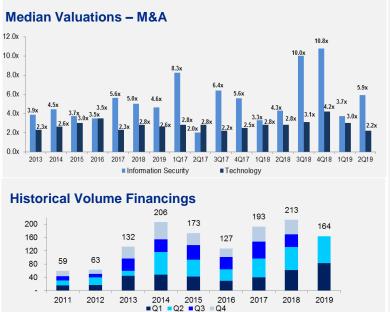


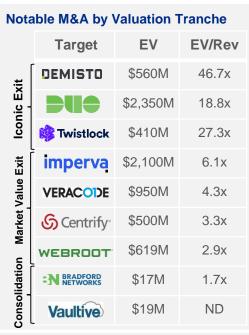


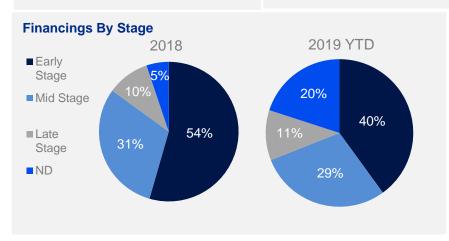


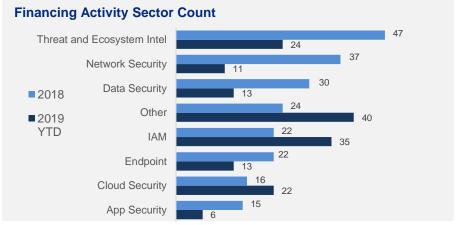
### Pulse of the Security Market – Key Metrics

Notable Lat	e Stage Fina	ncings
Date	Target	Amount
Jun 2019	KnowBe4	\$300M
Sep 2018	AnchorFree	\$295M
Jan 2019	rubrik 🗘	\$261M
Jun 2018	CROWDSTRIKE	\$200M
Oct 2018	<b>⊕ TANIUM</b>	\$200M
Nov 2018	netskope	\$169M
Mar 2019	CLOUDFLARE	\$150M
Jun 2019	druva	\$130M
Jun 2017	🔀 illumio	\$125M











### Key Themes in 2019

### The Cyber Disruptors of Tomorrow

- Cloud computing giants are building platforms that leverage internal data sets to disrupt the cybersecurity market.
- Google and Microsoft both announced their own cloud-native SIEM tools at the conference, as they hope to push the pace of hybrid and multi-cloud adoption.

#### User Identity Merges with User Privacy

- Due in large part to GDPR, user identity, data privacy and consent are no longer separate concepts in a security context.
- The EU is too large to exist as a carve-out. Enterprises will overlay the same principles, whether required or not, to maintain a uniform regulatory approach.

#### Renewed Focus on MSSPs

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• Increased budgets for 3<sup>rd</sup> party MSSPs have prompted cloud providers, hardware / software vendors, VARs, & other nontraditional security service providers to increase their services offerings, leaving enterprises with more choices and increased confusion; Managed Detection and Response (MDR) also continues to gain traction.

#### NSA to the Rescue

- DDoS was not the big headline it was in 2018 post the record-setting memcached attacks, but the NSA filled the void.
- Ghidra, a previously classified project, was released to a packed crowd. The toolkit allows reverse-engineering of malware to better understand backer code.

#### Endpoint Gets a True Up

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- If anything, the cloud intensifies the need for endpoint security. New cloud projects will revisit and take stock of legacy protection strategies.
- Browser Isolation and Content Disarm & Reconstruction were among those that garnered stronger interest this year.

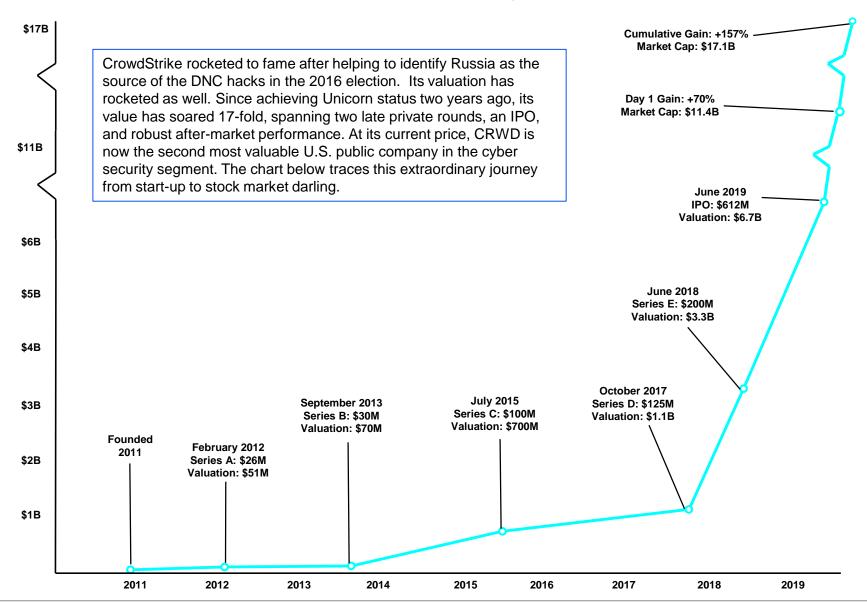
#### **Cyber Situational Awareness**

- Enterprises are at war with intruders. Just as in real war, situational awareness cuts through the fog of excess data and allows visualization of the battlefield in real time.
- The \$250M buyout of Verodin by FireEye (~25x revs) fills a gap in measuring the effectiveness of security controls, and goes to show that visibility is in high demand.

#### Zero Trust: Market Leaders Driving Gateway Convergence to Secure the Cloud Select Strategic Partnerships Company **Zero Trust Offering** accenture Integrated Cyber Defense (ICD): Powered by shared intelligence and Symantec. automation across endpoints, networks, applications, and clouds Deloitte. pwc aws orubo Google Cloud Microsoft PAN-OS 8.1: Provides simplified application security and streamlined **paloalto** vmware. SSL decryption proofpoint. splunk> **DELL**EMC allalla Cisco Trusted Access: A complementary security approach with a dynamic platform that is both Trust-Centric and Threat-Centric **CİTRIX** CISCO Microsoft



### CrowdStrike's Road to a \$17B Valuation





### Featured Transaction: CrowdStrike's IPO Raises \$612M in Proceeds

	Amount	Trailing 12 Months		Forward 12 Months		Forward 12 Months			
Date	Raised	Revenue	EV/Revenue	Revenue	EV/Revenue	Market Cap	Top Holders (Pre-IPO)		
6/12/2019	\$612M	\$299M	60.7x	\$434M	41.8x	\$17.1B	Accel, CapitalG, Warburg Pincus		



#### **Company Description:**

CrowdStrike is a cybersecurity firm pioneering next-generation endpoint protection, delivered as a single integrated cloud-based solution. CrowdStrike's Falcon platform stops breaches by detecting all attack types, even malware-free intrusions, providing five-second visibility across all current and past endpoint activity while reducing cost and complexity for customers.

#### **Core Sector:**

**Endpoint Protection** 

#### **Core Products:**

- Falcon Platform
- Threat Graph

#### **Headquarters:**

Sunnyvale, CA

#### **Deal Significance:**

This is the largest of the three security IPOs so far in 2019. CrowdStrike is the first endpoint security vendor to go public since Carbon Black in May 2018. It is also the largest ever VC-backed cyber security exit by a U.S based company.

#### **Market Reception:**

"CrowdStrike's fervent reception, which lent a market capitalization of \$12.6 billion, has made it the second most valuable U.S.-based cybersecurity company on the public markets today; only \$19.5 billion Palo Alto Networks, which has been inking acquisition deals left and right to keep up with the times, tops it. Besieged by data breaches, investors are clamoring to place bets on digital defense. A number of well-performing cybersecurity IPOs over the past year or so — Carbon Black, Tenable, Zscaler — has made that clear." – Fortune

"CrowdStrike closed its first trading day with a share price of \$58. The company is worth about as much as 37-year-old security software provider Symantec despite having about 5% as much revenue."

— CNBC

"CrowdStrike has joined the growing herd of loss-making tech unicorns hitting the public markets this year. The stock debuted to a pop of nearly 80%. With more than \$480 million in VC funding to date, CrowdStrike's biggest backers include Warburg Pincus and Accel. The two firms collectively hold more than 50% of the company's Class B shares, which carry 10x the regular voting power. Warburg and Accel first backed CrowdStrike in 2012 and 2013, respectively. – Pitchbook

"The over 100% revenue growth at a ~\$400M run rate is significantly faster and larger than the competition and is benefiting from two significant trends. The first is the shift to the cloud where more companies are looking to cloud-based solutions to satisfy their technology requirements. Most look to Salesforce.com as the innovator of this trend and it is now moving to cybersecurity ...CrowdStrike is leading that charge. Separately, companies are finally comfortable turning off legacy antivirus solutions as they no longer have to be concerned about maintaining those ineffective technologies just to satisfy PCI compliance. Full year (revenue) guidance was 6.5% higher than our previous estimates. Raising our December 2020 price target to \$104." – Wall Street Research



### Featured Transaction: Proofpoint Acquires Meta Networks for \$120M

		Trailing 1	Trailing 12 Months Forward 12 Months Total I		Forward 12 Months		
Date	Value	Revenue	EV/Revenue	Revenue	EV/Revenue	Capital	Top Holders (Pre-Sale)
5/6/2019	\$120M	\$1M	120x	ND	ND	\$10M	BRM Capital, Vertex Ventures



#### Meta Networks

#### **Company Description:**

Meta Networks, is a technology leader in Zero Trust Network Access (ZTNA). With Meta Networks' Network-as-a-Service (NaaS), enterprises can rapidly connect people, applications, clouds, data centers and offices, and secure them with a software-defined perimeter.

#### **Core Sectors:**

Identity & Access Management, Network Access Control

#### **Core Products:**

- Secure Remote Access
- Always-On VPN Alternative
- Cloud-Delivered Network Security

#### **Headquarters:**

Tel Aviv, Israel

#### **Deal Significance:**

This is the second largest Zero Trust transaction of 2019, and the highest EV/Revenue multiple of any Security deal this year. It was the latest security transaction involving the highly acquisitive Proofpoint, that has made 15 acquisitions since 2013.

#### **Deal Rationale:**

"By combining Meta Networks' innovative zero trust network access technology with our people-centric security capabilities, Proofpoint will make it far simpler for enterprises to precisely control employee and contractor access to on-premises, cloud, and consumer applications." – **Proofpoint** 

"The highly customizable nature of Meta Networks' approach to zero trust network access fits in well with Proofpoint's CASB solution focusing on granular user level control to allow employees to utilize the business applications they need without compromising security."— Wall Street Research

"With this acquisition, Proofpoint will strengthen its cloud-based architecture and people-centric security platform, enabling customers to better protect their people and the applications and data they access beyond the traditional perimeter." – 451 Research

"Proofpoint intends to integrate Meta Networks' ZTNA technology with its Cloud Access Security Broker (CASB) and web isolation product lines to offer customers a comprehensive cloud access and security platform. The acquisition of Meta Networks will add approximately 20 technical contributors to Proofpoint's growing presence and team in Israel." — GlobeNewswire

### proofpoint.

#### **Acquirer Description:**

Proofpoint is a leading cybersecurity company that protects organizations' greatest assets and biggest risks: their people. With an integrated suite of cloudbased solutions, Proofpoint helps companies around the world stop targeted threats, safeguard their data, and make their users more resilient against cyber attacks.

#### **Core Sectors:**

Anti-Malware, Anti-spam, Security-as-a-service

#### Market Cap:

\$6.97B (NasdaqGM:PFPT)

#### **Key Stat:**

FY18 Revenue: \$717M

(+38%)

#### Headquarters:

Sunnyvale, CA



### Featured Transaction: SentinelOne Raises \$120M

				Total Employees		Total Invested	
Date	<b>Amount Raised</b>	Round	Valuation	Current	1 Yr Change	Capital	Lead Investor
6/12/2019	\$612M	Series D	\$600M	361	15%	\$230M	Insight Partners, Samsung Ventures



#### **Company Description:**

SentinelOne is shaping the future of endpoint security with a uniquely integrated platform that combines behavioral-based detection, advanced mitigation, and forensics to stop threats in real-time. Specializing in attacks that utilize sophisticated evasion techniques, SentinelOne is the only vendor who offers complete protection against malware, exploit and insider-based attacks.

#### Core Sector:

**Endpoint Protection** 

#### **Core Products:**

- Threat Hunting
- CryptoMiner Detection

#### **Headquarters:**

Mountain View, CA

#### **Deal Significance:**

This is the third largest private placement in the quarter and one of seven super rounds of \$100M or more in the security sector in 2019 alone.

#### Deal Rationale:

"Endpoint security is at a fascinating point of maturity, highlighting a massive market opportunity for SentinelOne's technology and team...Attack methods grow more advanced by the day and customers demand innovative, autonomous technology to stay one step ahead. We recognize SentinelOne's strong leadership team and vision to be unique in the market, as evidenced through the company's explosive growth and highly differentiated business model from its peer cybersecurity companies." – Insight Venture Partners

"As an investor, SentinelOne's combination of best-in-class EPP and EDR functionality is a magnet for engagement, but it's the company's ability to foresee the future of the endpoint market that attracted us as a technology partner. Extending tech stacks beyond EPP and EDR to include IoT is the clear next step, and we look forward to collaborating with SentinelOne on its groundbreaking work in this area." – Samsung Venture Investment Corporation

"[SentinelOne] has raised \$120 million in a Series D round - money that it will be using to continue expanding its current business as well as forge into new areas such as building more tools to automatically detect and patch software running on those endpoints, to keep them as secure as possible." – TechCrunch

"The additional funding will be used to support growth of its autonomous AI security platform that protects endpoint, cloud, and IoT devices deployed throughout the enterprise." – SecurityWeek



#### **Investor Description:**

Insight Partners is an established investor in growth-stage technology, software and Internet businesses. It has over \$20B in assets under management.

#### **Investment Focus:**

Technology, Software, Internet businesses



The venture arm of Samsung is focused on promoting small and medium sized companies engaging in the development of new technologies. Their current fund is approximately \$2B in size.

#### **Investment Focus:**

Software, Internet, Telecommunication



Source: S&P Capital IQ

### Not All Exits Are Created Equal

(\$ in Millions)

#### **Iconic Exit**

- Category-leading, high-value exits which garner sensational attention upon disclosure
- A particular subset of security buyers pay this kind of price, selectively

#### **Market Value Exit**

- Could be a public buyer, investor backed private, or PE acquirer
- More numerous, often publicized

#### Consolidation

- Purchased as a feature for a larger platform or as an acqui-hire
- Often raised money at high valuation, competed in noisy, crowded security subsectors, and achieved minimal revenue traction

Date	Target	Acquirer	EV	LTM Rev	EV/LTM Rev
May 2019	Meta Networks	proofpoint.	\$120	\$1	120.0x
May 2019	•   Recorded Future	INSIGHT — PARTNERS —	780	65	12.0x
May 2019	🌼 Twistlock	paloalto paloalto	410	15	27.3x
Feb 2019	DEMISTO	paloalto paloalto	560	12	46.7x
Aug 2018		cisco	2,350	125	18.8x
Feb 2018	Phantom <sup>*</sup>	splunk>	350	8	43.8x
Feb 2019	WEBROOT	CARBONITE	\$619	\$215	2.9x
Nov 2018	VERACODE	THOMABRAVO	950	220	4.3x
Oct 2018	ımperva	THOMABRAVO	2,100	344	6.1x
Sep 2018	<b>⊞</b> BeyondTrust <sup>™</sup>	<b>bomgar</b>	750	110	6.8x
Jul 2018	<b>S</b> Centrify	THOMABRAVO	500	150	3.3x
May 2019	Appsulate	<b>Ezscaler</b>	\$13	ND	ND
Jun 2018	BRADFORD NETWORKS	F <b></b> RTINET.	17	\$10	1.7x
May 2018	BRACKET	<b>vm</b> ware <sup>*</sup>	ND	ND	ND
Mar 2018	SECURITY	<b>vm</b> ware <sup>*</sup>	15	3	4.6x
Mar 2018	Vaultive	CYBERARK'	19	ND	ND



### Notable Late Stage Funding and Supercharged Early Rounds

(\$ in Millions)

Date	Target	Lead Investor (s)	Check	Round	Valuation
Jun 2019	KnowBe4	KKR • TENELEVEN ELEPHANT	\$300	D	\$1,000
Sep 2018	AnchorFree	WndrCo	295	D	ND
Jan 2019	🗱 rubrik	<b>BainCapital</b> VENTURES	261	E	3,300
Oct 2018	TANIUM"	WELLINGTON MANAGEMENT Adage	200	PE	6,500
Jun 2018	CROWDSTRIKE	GENERAL ACCEL ATLANTIC PARTNERS	200	Е	3,000
Nov 2018	netskope	ACCEL Lightspeed	169	F	1,000

Late Stage Funding

Date	Target	Lead Investor (s)	Check	Round	Valuation
May 2019	BlueVoyant	fiserv.	\$83	В	\$430
Jul 2018	EXIGER	CARRICK ©	80	А	ND
May 2018	IronNet Cybersecurity	CAPITAL FORGEPOINT	78	В	ND
Jun 2018	CLAROTY	TEMASEK	60	В	ND
Jan 2019	TESSIAN	SEQUOIA B ACCEL PARTNERS	42	В	ND

Super-Charged Early Rounds



### Many of the Recent Top Information Security M&A Deals are PE-Led

(\$ in Millions)

Date	Target	Acquirer	EV	LTM Rev	EV / LTM Rev
Feb 2018	CSRA=	GENERAL DYNAMICS	\$9,600	\$5,064	1.9x
May 2018	<b>≥</b> bmc	KKR PE	8,400	2,200	3.8x
Dec 2017	gemalto security to be free	THALES	6,614	3,567	1.9x
Sep 2016	<b>W</b> McAfee	TPG	4,200	ND	ND
Dec 2016	<b>Ö</b> PTIV	KKR PE	2,418	943	2.6x
Aug 2018		(            CISCO	2,350	125	18.8x
Nov 2016	<b>® Life</b> Lock <sup>®</sup>	<b>Symantec</b>	2,300	650	3.5x
Oct 2018	<b>IMPERVA</b>	THOMABRAVO PE	2,100	344	6.1x
Nov. 2017	Barracuda	THOMABRAVO PE	1,474	367	4.0x
Nov 2018	CYLANCE	::: BlackBerry	1,400	130	10.8x



### Private Equity Platform Plays

Fueled by the leadership opportunity, growing spend rates, and confidence in their ability to identify attractive platform-enhancing tuck-ins, PE firms look to build the next-generation of winners



Resolution1 combined with Fidelis provides one of the most compelling offerings in the TDR and incident-response automation spaces for a comprehensive advanced threat defense solution



Ping Identity's acquisitions of UnboundID and Elastic Beam have extended the platform's leadership by adding multi-factor authentication, single sign-on, secure access, and machine learning analytics capabilities, creating a leading solution in the Identity market



The WatchGuard Technologies platform is a global leader in network security, providing bestin-class Unified Threat Management. Next Generation Firewall. secure Wi-Fi, and network intelligence products and services



Server density **4** FIREBLADE **Staminus** 

maxcon

The StackPath platform provides an integrated response to a fragmented problem that has been created by too many individual, bolt-on security solutions through a frictionless and scalable security platform

THE CARLYLE GROUP C O A L F I R E

VERIS GROUP

The acquisition of the Veris Group by Coalfire offers an established global leader in cyber risk advisory, compliance assessments and technical testing an increased technical knowledge base to deliver deeper insights to customers



acquisition Through the FortyCloud, Immediate Insight, and Lumeta, Firemon is taking the path to establishing a comprehensive portfolio around its firewall management expertise



Bomgar's platform offers a comprehensive solution for enabling privileged and remote access, defending organizations from constant and evolving threats





With the acquisition of Imperva and Veracode, Thoma Bravo is well-positioned to be the preeminent cybersecurity services provider within the enterprise Application Security market



PERFORCE



The acquisitions of Roque Wave and Perfecto provide Perforce's software portfolio with additional capabilities for enterprise DevOps teams to achieve continuous testing at scale across web, mobile and IoT applications









Given McAfee's leading global market position, loyal customer base, and trusted technology, TPG saw this as an opportunity to invest in a highly-strategic platform that is growing consistently and addressing significant evolving market demand



### Security Buyer Universe



DISCLAIMER: This is only a representative list and may not include all relevant companies. If your company is not on the list and would like to be added for future publications, kindly shoot us a note at rworkman@agcpartners.com.



### Security M&A Activity: Broad Tech Acquirers

2019		sentryo								janrain'
2018		SKYPORT SYSTEMS	ZENEDGE	[:]SourceClear	♥ VictorOps			SECURITY  BRACKET	Kilopass	
2017	AGRE3	observable networks		VERACODE	<b>/</b> signal <b>sense</b>	<b>©</b> HEXADITE	<b>b</b> вітіим	(apteligent	<b>⊘</b> BLACKDUCK <b>∳</b> Cigital	nominum SOASTA
2016	Na Resilient of BM Company	♠CloudLock	<b>○ Dyn #</b> palerra	Mobile 7				<b> ✓</b> ARKIN	>codiscope <b>*Winter</b> Logic	© CYBERFEND
2015		embrane Lancope  so pawaa  DenDNS		Xceedium  (1) IDMLOGIC	© Caspida	<b>©</b> secure islands			Quotium protecode	BLOXX
2014	LIGHTHOUSE Electric stop	N NEDHAPBIB		identropy		∠InMage ∆OR∆TO	dropcam 3 divide spirder.io SlickLogin	airwatch"	<b>⊘</b> coverity	
2013	FIBERLINK	SOURCE fire  COSE	BitzerMobile surpriving antengrise probinty							PROLEXIC DOOS ATTACKS End Here.
	IDM	cisco	ORACLE.	♠ BROADCOM¹  Ca  technologies  Broadcom¹  Ca  technologies  Broadcom¹  Ca  The completion  Broadcom¹  Broadcom¹  Broadcom¹  Broadcom¹  Broadcom¹  Broadcom¹  Broadcom¹  Broadcom¹  Broadcom¹  Broadcom²  Broadcom	splunk>	Microsoft <sup>*</sup>	Google	<b>vm</b> ware <sup>*</sup>	SYNOPSYS*	(Akamai



### Security M&A Activity: Pure Play Security Acquirers

2019	Meta Networks		≫VERODIN	AVID Secure  Park Bytes ROOK SECURITY	PURESEC  DEMISTO  Twistlock		luminate		
2018	wombat secur by technologies		<b>X</b> 15		RedLock  SECDO  evident.io	<b>V</b> aultive		<b>I</b> FORTSCALE	У Тиннев Всеаг.
2017	₩EBLIFE  CLOUDMARK*	IMMUNIO		<b>€</b> invincea	CD LIGHTCYBER	c•njur	SurfEasy  DUTLIER  Skycure  fireglass		skyhigh
2016	FIRELAYERS  Return Path		INVOTAS  SISIGHTPARTNERS	<b>jijiji,</b> Barricade			OLIFELOCK BLUE COAT		
2015	SOCIALWARE  MARBLE SECURITY  THERETING	TippingPoint		SurfRight Reflexion	€ CIRRO SECURE	VIEWFINITY  CYBERTINEL	N A R U S"		
2014	NEX GATE		PULSE (Greener)	o mojave networks  Cyberoam	CYVERA  MORTA			symplified.	
2013	sendmal org  armorize  ABACA  MALL  DISTILLER  Pure littered email	<b>( </b> ≣ Broadweb	ensighta				<b>⊘</b> Passxo <u>rd <b>Bank</b></u>	PASSBAN Aveksa	STONESOFT validEDGE
	proofpoint.	TREND	() FIREEYE	SOPHOS	paloalto NETWORKS	CYBERARK'	Symantec.	<b>RS</b> ^	<b>⋈</b> McAfee



### **Public Valuation Metrics**

(\$ in millions)		Market Data			<u> </u>			Opera	ting Data <sup>(c)</sup>				
	Enterprise	EV/R	evenue	EV/E	BITDA	Rev	renue	EB	ITDA	Revenue	e Growth	LQ Gross	LQ Adj.
Company	Value <sup>(a) (b)</sup>	TTM	2019E	TTM	2019E	TTM	2019E	TTM	2019E	18A/17A	19E/18A	Margin	Op. Margin <sup>(</sup>
Security IPOs since 4Q'1	11												
Splunk	\$20,330	10.6x	9.0x	NM	53.1x	\$1,916	\$2,265	(\$218)	\$383	38%	26%	77%	(34%)
Palo Alto Networks	20,314	7.4x	6.4x	NM	24.9x	2,752	3,166	146	816	30%	22%	72%	(2%)
CrowdStrike	19,423	65.0x	44.7x	NM	NM	299	434	(113)	(85)	110%	74%	70%	(27%)
Okta	15,928	36.1x	29.1x	NM	NM	441	548	(139)	(50)	56%	37%	72%	(39%)
Zscaler	10,732	39.3x	31.0x	NM	NM	273	346	(15)	33	57%	42%	81%	(9%)
Proofpoint	7,191	9.0x	8.2x	NM	49.5x	800	880	(28)	145	38%	23%	73%	(14%)
Cyber-Ark Software	5,079	13.8x	12.1x	74.9x	45.0x	367	419	68	113	31%	22%	86%	14%
Qualys	3,325	11.5x	10.3x	38.7x	26.6x	289	322	86	125	21%	16%	76%	19%
FireEye	3,286	3.9x	3.7x	NM	26.7x	842	895	(105)	123	7%	8%	66%	(28%)
Mimecast	3,107	9.1x	7.8x	NM	48.0x	340	399	31	65	33%	24%	73%	1%
Rapid7	3,089	11.8x	9.8x	NM	NM	263	315	(33)	11	21%	29%	73%	(13%)
Sophos	2,779	3.9x	4.1x	35.0x	23.4x	711	685	80	119	16%	(2%)	80%	11%
Tenable	2,711	9.4x	7.8x	NM	NM	289	346	(74)	(48)	42%	29%	84%	(28%)
Varonis	2,047	7.5x	7.5x	NM	NM	273	274	(31)	(8)	25%	1%	85%	(39%)
SailPoint	1,897	7.3x	6.8x	98.1x	87.7x	261	279	19	22	34%	12%	75%	(11%)
ForeScout	1,666	5.3x	4.5x	NM	NM	314	371	(68)	(6)	33%	25%	75%	(45%)
Carbon Black	1,220	5.5x	5.0x	NM	NM	220	243	(70)	(37)	30%	16%	78%	(35%)
SecureWorks	910	1.7x	1.7x	NM	NM	525	540	(4)	3	11%	4%	53%	(11%)
Tufin	737	8.2x	6.9x	NM	NM	90	107	(5)	(12)	32%	26%	82%	(19%)
MobileIron	678	3.4x	3.2x	NM	NM	198	211	(39)	4	7%	9%	79%	(34%)
Broad Solution Provider	'S												
Symantec	\$16,445	3.5x	3.4x	16.4x	8.0x	\$4,731	\$4,798	\$1,000	\$2,064	0%	1%	77%	12%
Check Point Software	15,510	7.9x	7.8x	17.0x	15.3x	1,956	1,994	912	1,011	3%	4%	90%	44%
Trend Micro	4,611	3.5x	3.0x	10.3x	9.0x	1,321	1,555	449	511	11%	6%	81%	24%
Enabling / Policy Enforc	ment												
Verisign	\$26,207	21.4x	21.3x	31.3x	29.9x	\$1,226	\$1,233	\$838	\$875	4%	2%	86%	66%
Zix	744	9.0x	4.4x	NM	21.3x	83	168	7	35	7%	138%	62%	(21%)
VASCO Data Security	532	2.4x	2.3x	NM	23.5x	221	234	3	23	10%	10%	68%	(4%)
Absolute Software	203	2.1x	2.0x	16.9x	10.2x	98	101	12	20	4%	5%	88%	14%
Defensive Solutions													
Fortinet	\$12,814	6.8x	6.1x	41.7x	23.6x	\$1,875	\$2,089	\$307	\$543	20%	16%	76%	11%
F5 Networks	8,262	3.7x	3.7x	12.2x	10.0x	2,215	2,258	678	823	4%	3%	84%	25%
Radware	894	3.7x	3.5x	37.0x	26.3x	241	254	24	34	11%	8%	82%	7%
MEDIAN	\$3,196	7.4x	6.6x	33.1x	24.9x	\$327	\$409	\$5	\$34	21%	16%	77%	(10%)

(a) Based on closing stock prices on July 29, 2019

(b) Calculated as Equity Value plus total debt, minority interest (at book value unless otherwise noted) and preferred stock, less cash & equivalents

(c) Projections represent Wall Street & Yahoo Finance estimates

(d) Adjusted operating margin excludes extraordinary and non-recurring items



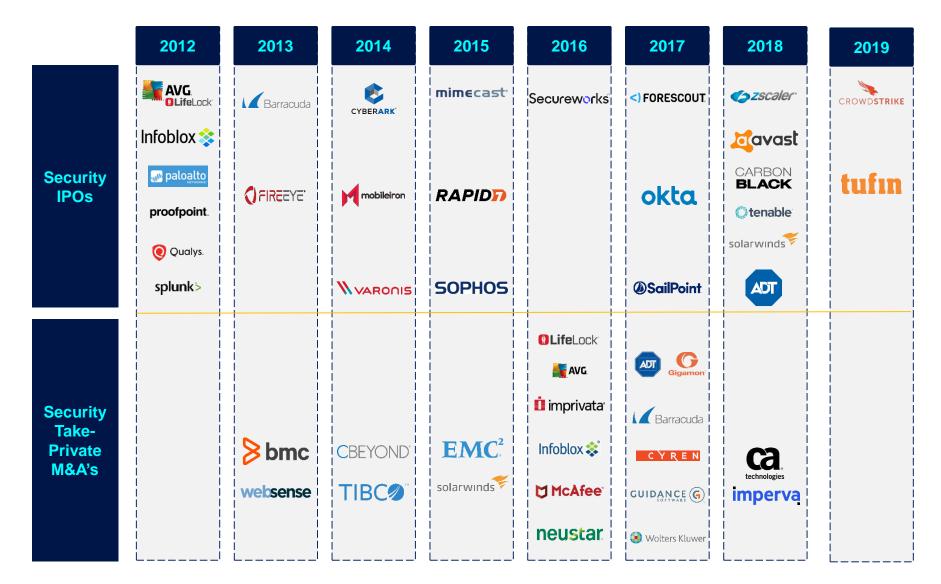
Source: S&P Capital IQ 18

### Security Sector Stock Performance





### Security IPO and Take Private Activity





### Momentum of Security IPO Market

(\$ in millions)			
Company	Amount Offered	Total Shares Offered (% Total)	Aftermarket Performance
CrowdStrike	\$612	87%	157%
FireEye	304	13%	(21%)
Tenable	250	12%	36%
Splunk	213	15%	723%
Palo Alto Networks	197	9%	436%
Zscaler	192	10%	442%
Okta	187	12%	706%
SailPoint	172	27%	84%
Carbon Black	152	12%	(2%)
Sophos	125	35%	56%
ForeScout	116	17%	80%
SecureWorks	112	10%	(11%)
Tufin	108	24%	63%
Varonis	106	21%	221%
Rapid7	103	18%	304%
MobileIron	100	15%	(24%)
CyberArk Software	86	18%	805%
Mimecast	83	15%	383%
Qualys	80	25%	640%
Proofpoint	67	21%	878%
Median	\$121	16%	189%



SECURITY IPOs SINCE 4Q'11													
(\$ in millions)		Market Data				Operating Data <sup>(c)</sup>							
	Enterprise	EV / Revenue		EV/EBITDA		Revenue		EBITDA		Revenue Growth		LQ Gross	LQ Adj.
Company	Value <sup>(a) (b)</sup>	TTM	2019E	TTM	2019E	TTM	2019E	TTM	2019E	18A/17A	19E/18A	Margin	Op. Margin <sup>(d)</sup>
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MobileIron	678	3.4x	3.2x	NM	NM	198	211	(39)	4	7%	9%	79%	(34%)
MEDIAN	\$3,098	8.6x	7.6x	56.8x	45.0x	\$306	\$385	(\$30)	\$16	31%	22%	76%	(16%)

**Security IPO Performance** 

Notes
(a) Based on closing stock prices on July 29, 2019

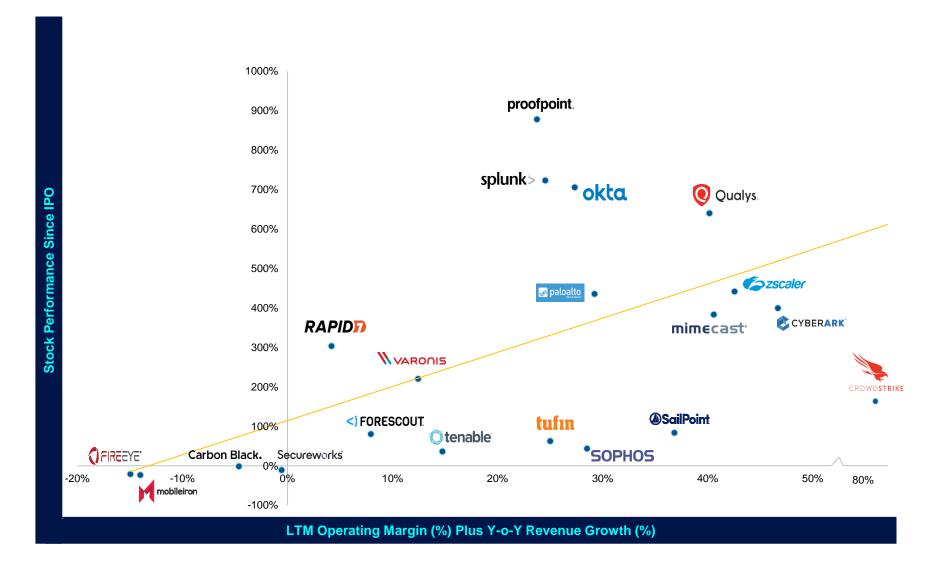
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### Growth and Profitability Drive Stock Performance





### **About AGC Partners**

Note: This document is intended to serve as an informative article only in order to further discussion, analysis and independent verification. This document is based upon sources believed to be reliable, however, we do not guarantee the sources' accuracy. Unless otherwise indicated, AGC does not believe that the information contained herein is sufficient to serve as the basis of an investment decision. There can be no assurance that these statements, estimates or forecasts will be attained and actual results may be materially different. This is not a solicitation of an offer of any kind. To learn more about the company/companies that is/are the subject of this commentary, contact one of persons named herein who can give you additional information.



### AGC's Security Transactions: 31 Deals Since 2016

2019

2018

2017







































2016

























### AGC's Market Leading Security Practice: 109 Deals Since Inception













































































### AGC's Market Leading Security Practice: 109 Deals Since Inception









































































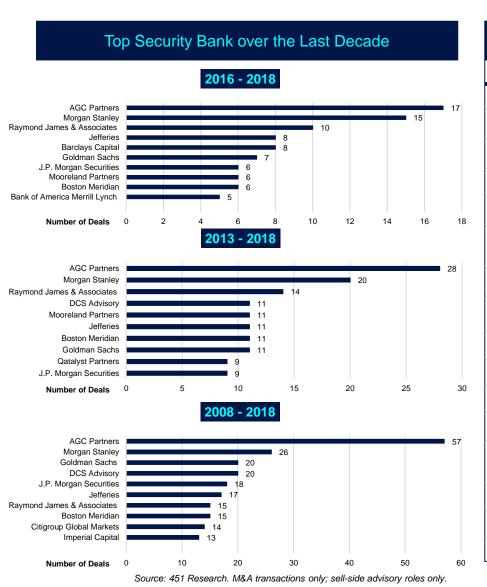








### AGC Ranked Top Tech Boutique: 376 Deals Done Since Inception



AGC's Strong Track Record with the Largest Acquirers							
Buyer	AGC Transactions / Relationship						
Raytheon	Sold Foreground Security to Raytheon						
technologies	Sold Xceedium and Mobile System 7 to CA Technologies						
Akamai	Sold Prolexic to Akamai						
cisco	Sold CXO and ExtendMedia to Cisco						
DØLL	Sold Boomi and SilverBack Technologies to Dell						
RSA EMC	Sold Asankya, Configuresoft, Authentica and Bus-Tech to EMC; Advised RSA on Cyota and Passmark acquisitions						
Google	Sold reCAPTCHA to Google						
() FIREEYE	Sold nPulse to FireEye Sold iSIGHT Partners to FireEye						
<b>9</b>	Sold Dasient to Twitter						
IBM.	Sold Bow Street and Ounce Labs to IBM						
O NTT	Sold Solutionary to NTT						
ORACLE!	Sold LogFire, Empirix and Secerno to Oracle						
(intel)	Sold Neocleus to Intel						
	Sold Internetsafety.com to McAfee						
<b>Symantec</b>	Sold WholeSecurity and BindView to Symantec						
TREND MICRO	Sold Third Brigade to Trend Micro						
<b>vm</b> ware <sup>*</sup>	Sold TriCipher to VMware						



### AGC Partners 15<sup>th</sup> Annual West Coast Information Security Conference

3,100 One on Ones

1,400

Attendees

480 Fast Growing Private

**Tech Companies** 

400 Leading Tech Private **Equity Investors** 

160 Global Strategic **Buyers** 

**Keynote Speakers Bank of America** RSA Sonraí threat stack

#### **Industry Panel Topics & Participants**



















### Security Market Experts – Thought Piece Leadership

Utilizing in-depth domain expertise, AGC Partners regularly publishes sector "Thought Pieces" covering key trends in information security and other tech sectors

#### 2014 - 2019 Published Security Thought Pieces

- Industrial Analytics and ICS Cybersecurity
- Cyber Risk Insurance
- Security Orchestration & Automation
- Connected Car Security
- Next-Gen Security Endpoint Security
- Critical Infrastructure Cyber Security Market Overview

