TECH M&A MONTHLYstarts in 2 minutes

Thoughts? Questions?



Let us know! @CorumGroup





www.corumgroup.com



Past Attendees Include:



Past Conferences & Reports

- Private Equity Panel
- Buyers Panel
- Google Acquisition Strategy
- Crowdfunding M&A Impact
- Special Reports: SaaS, Mobile, Gaming, Social, Cloud, Geospatial, Security
- Special Reports: Facebook Effect, Dell, Microsoft, HP, IBM...



TECH M&A MONTHLYstarts in 1 minute

Thoughts? Questions?



Let us know! @CorumGroup



Merge Briefing

- 90 Minutes
- Industry Update
- Overview of the M&A Process
- Upcoming events in:
 - Los Angeles
 - Portland
 - Sacramento
 - Amsterdam
 - Atlanta

- Paris
 - Baltimore
 - Providence
 - Chicago
 - Dublin







Selling Up, Selling Out

- Half-Day
- Tech M&A Bootcamp
- The most attended tech executive conference in history
- Upcoming events in:
 - Columbus
 - Tel Aviv
 - Los Angeles
 - Boise







8 Stages for an **Optimal Outcome**





Typical Negotiation Flow





AVOIDING THE DEAL DISASTERS



Upcoming Conference Schedule

Selling Up Selling Out (SUSO) - Ready to go to market? During this half-day workshop, learn to prepare, position, research, value, negotiate, and execute due diligence for maximum price and structure. This is the most attended Tech M&A event ever – participants have done over \$1 trillion in transaction value.

Merge Briefing (MB) - The Merge Briefing is a 90-minute executive briefing providing a current M&A market update (trends, valuations, etc.), as well as a brief overview of the Tech M&A process: "8 Steps To An Optimal Outcome."

Jan. 24: Portland – MB Feb. 15: Barcelona – MB Jan. 25: Sacramento – MB Feb. 22: San Francisco – Growth & Exit Strategies Jan. 31: Dublin – MB Feb. 28: Baltimore – MB Feb. 6: Columbus – SUSO Feb. 28: Victoria – MB Feb. 8: Private Equity Roundtable Mar. 1: Century City – MB Feb. 13: Paris – MB Mar. 1: Atlanta – MB Feb. 14: Amsterdam – MB Mar. 13: San Diego – MB Feb. 15: Seattle – MB

www.CorumGroup.com/Events

Logistics

- Ask questions any time
 - Use Q&A window on the right of screen
 - Click "Refresh Now" to view responses
- This event is being recorded
 - European broadcast January 19, 11:00 AM Berlin Time
 - On demand webcast will be available at www.corumgroup.com

Forecast 2018:

Global Tech M&A Report

January 18, 2018

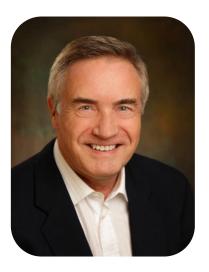
Thoughts? Questions?



Let us know! @CorumGroup



Welcome



Bruce Milne CEO Corum Group Ltd.

A leader in the software industry, Bruce has founded or owned four software companies, including the largest vertical market software company, AMI, an Inc. 500 firm rated by IDC as the fastest growing computer-related company in the world.

He has served on advisory boards for Microsoft, IBM, DEC, Comdex and Apple, and as board member/founding investor in some of the most innovative firms in their field, including Blue Coat, Bright Star and Sabaki. Past advisor to two governors and a senator, a board member of the Washington Technology Center, and founder of the WTIA, the nation's most active regional technology trade association.

He worked with the Canadian government to found SoftWorld, and he was recently chosen as one of the 200 most influential individuals in the IT community in Europe. He was also the only American juror for the recent Tornado 100 Awards given to Europe's top technology firms

A graduate with Distinction from Harvard Business School, Bruce has written three books on business models for success, including *Power Planning*. He is a frequent lecturer and author.





Welcome

Field Reports

2018 Predictions & 2017 Scorecard

Top 10 Disruptive Tech Trends

Annual Research Report

Luminary Panel

Peter Coffee – Salesforce Ed Gardner – Descartes Reese Jones – Singularity University Henry Hu – IBM





Moderator



Timothy Goddard EVP, Marketing Corum Group Ltd.

Timothy joined Corum in 2011, and oversees the company's marketing efforts globally from the headquarters near Seattle. Chief among these is Corum's extensive conference schedule, "Selling Up, Selling Out," the Merge Briefing, the Tech M&A Monthly webcast and Corum's platinum sponsorship of the World Financial Symposiums' live events and Market Spotlight series. Through these events, Corum Group serves as the world's leading educator in technology mergers and acquisitions.

Prior to joining Corum, Timothy served as marketing and product manager for GIS software startup Depiction, Inc., and previously worked in marketing for VizX Labs, a pioneering SaaS startup delivering DNA analysis tools. In addition to marketing for software startups, Tim has worked for a US Senate campaign and taught science in Rio de Janeiro.

Timothy graduated Magna Cum Laude from Bethel University in St. Paul, Minnesota, with degrees in History and Biology.



Field Report: Lending Manager



Rob Schram Senior Vice President Corum Group Ltd.



Rob has over 30 years of executive and entrepreneurial experience in multiple technologies: Integrated circuit testing, industrial process automation and control, communications software, security software, and energy software and services.

Rob has founded and sold several companies and engaged in two IPOs. He was most recently CEO of Evergreen Fuel Technologies, Inc. in the energy sector. Rob is a broadly skilled strategic development professional with a proven reputation for targeting, negotiating and developing profitable ventures and a demonstrated ability to successfully analyze an organization's critical business requirements, identify deficiencies and opportunities, and develop innovative and cost-effective solutions for enhancing competitiveness, increasing revenues, and improving customer relationships.



Field Report: Visual Components and Stabiplan



Jon Scott Managing Director Corum Group Intl.



Jon joined Corum in 2010 out of their Seattle headquarters and is now based in Amsterdam. He has close to 30 years experience serving high technology companies with the last 20 mainly in chief operating and chief executive roles. During this time Jon has become known for his ability to successfully integrate strategies and tactics into well executed operating plans, building strong teams and achieving excellent results.

Jon has served as President and CEO of The PowerTech Group, a security and compliance software company sold to Help/Systems in 2008, and Microserv Technology Services, a nationwide tech services company which was acquired by Halifax Corporation in 2003. Earlier he served as President and COO of Traveling Software, a leading developer of communications software in Seattle. Prior to his operating roles Jon held vice president roles in sales, marketing and business development for technology companies.

Jon has taught in the software product management program at the University of Washington and holds a business administration degree from San Francisco State University.



Field Report: Infian



Daniel Bernstein Senior Vice President Corum Group Ltd.



Daniel Bernstein has worked in a number of roles over a twenty year career in high technology, most recently as the founder and CEO of Sandlot Games Corporation, a leading casual games publisher and developer. Having sold Sandlot Games to Digital Chocolate in 2011, Daniel started a small games studio and a consulting practice where he advises larger companies such as RealNetworks and smaller high growth businesses on product development, strategic initiatives, and M&A opportunities.

Prior to Sandlot Games, Daniel Bernstein held director level positions in companies such as Wild Tangent and Monolith. An accomplished composer, Daniel also writes music for most of the games he works on.

Daniel holds a BS in Computer Science and an MA in Music Composition from the University of Virginia.



Corum 2017 Prediction Scorecard

0	GE will extend its shopping spree, breaking into the top three tech company acquirers.
0	More blockchain-related acquisitions by fintech and traditional finance firms.
4	Sovereign funds will cut out the middleman stepping into a more direct role in tech M&A.
8	Repatriation leads to multiple acquisitions of US "unicorn" tech firms.
10	Industrial sector follows GE & Siemens into tech M&A including IoT, SCM & related deals.
10	Major AI players will make notable acquisitions in data security.
10	More major tech firms make a move into the connected car space.
10	Amazon will make an unusual acquisition.



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2018 Predictions

- Amazon will make a major healthcare acquisition.
- Uber down round drives other unprofitable unicorn valuations.
- Chinese buyers return to the market with major deals.
- Big-name old-line companies make first major tech acquisitions.



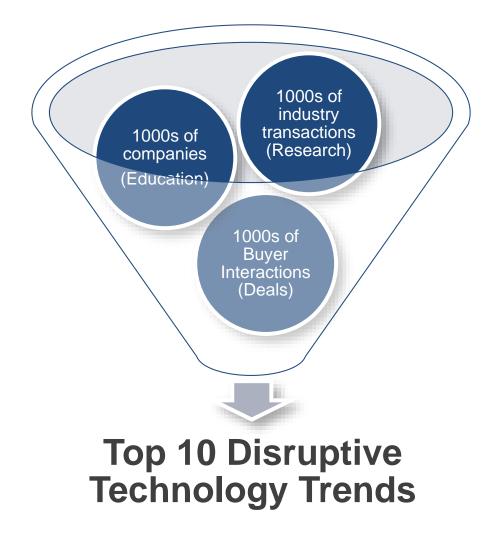


2018 Predictions

- More chip flaws surface, leading to M&A in response.
- Enterprise blockchain applications begin demonstrating value, increasing related M&A.
- Arab money leads unexpected major tech acquisition.
- Repatriation leads to multiple high-profile companies acquired for >\$10B.



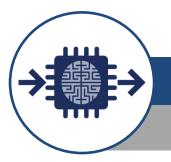
Leveraging Corum's Unique Position





Corum Top Ten Technology Trends 2018





#1: AI Enablement

Putting AI to work by means of big data and feedback



Ivan Ruzic has had a successful 30+ year career in the software business that has included virtually every senior executive role. His resume spans marquee companies such as BEA systems, Novell and Borland as well as multiple startups including his own. His international experience is extensive and in addition to the United States has been involved in mergers and acquisitions in Europe, Africa and Asia.

His success and extensive experience qualify him as an expert in building value and realizing wealth. Ivan joined Corum Group, the world's leading software M&A firm, with a specific focus on educating and helping prospective sellers maximize the value of their technology companies.

Ivan Ruzic, Ph.D. Vice President Corum Group Ltd.

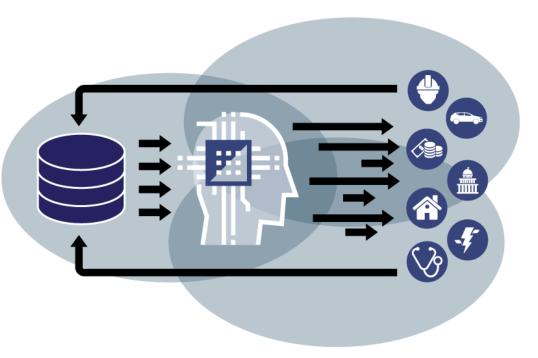






Putting AI to work by means of big data and feedback

- Machine learning systems need data & feedback loops.
- Major AI platforms have prioritized foundational loops: search, language, images, speech, etc.
- Significant value lies in unexploited feedback loops and unique datasets.
- Use cases exist across all sectors, with deeper, defensible niches more valuable.







#2: Composite Commerce

A new generation of online/offline convergence



Jeff Riley Vice President Corum Group Ltd.

Jeff has over 25 years of large and small company experience in the technology industry, focusing on enterprise software and IT services across a broad variety of vertical industries and geographies.

In 2004, Jeff became CEO of Dinerware, a small restaurant software startup based in Seattle. Under his leadership Dinerware grew rapidly, receiving numerous industry awards along the way. After being listed on the Inc 5000 list of fastest growing private companies for four years in a row, he led the successful sale of the company to Heartland Payment Systems which was later acquired by Global Payments.

The first half of Jeff's career was spent in product management and business development for new products and capabilities within large technology companies including Digital Equipment, RR Donnelley, and Microsoft. While at Microsoft, Jeff launched Microsoft's first secure commerce website in 1997, managed Microsoft Business Solutions SMB sales and marketing, and served as integration lead for the Great Plains acquisition before being promoted to GM of Retail Business Solutions within Dynamics.

He graduated from Babson College with a B.S. in Business Administration majoring in Management Information Systems.





#2: Composite Commerce

A new generation of online/offline convergence

- Technology and traditional inperson commerce has been coalescing for decades.
- Amazon/Whole Foods exemplified the phenomenon, sparking new levels of awareness—and deals.
- Force multiplier for:
 - Online exchanges
 - Omnichannel sales/marketing
 - Visual intelligence systems
 - Smart Logistics
 - AR/VR
 - Much more













#3: IoT Software

Emerging platforms, standards & analytics



Daniel Bernstein Senior Vice President Corum Group Ltd.

Daniel Bernstein has worked in a number of roles over a twenty year career in high technology, most recently as the founder and CEO of Sandlot Games Corporation, a leading casual games publisher and developer. Having sold Sandlot Games to Digital Chocolate in 2011, Daniel started a small games studio and a consulting practice where he advises larger companies such as RealNetworks and smaller high growth businesses on product development, strategic initiatives, and M&A opportunities.

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#3: IoT Software

Emerging platforms, standards & analytics

- Even in the Internet of Things, the value of code outstrips the value of hardware.
- Each 'thing' needs integrated platforms, communication, analytics, AI, security, etc.
- Competing platforms and associated ecosystems are beginning to coalesce.
- Defensible solutions to critical problems provide a path to significant M&A value.





#4: Digital Currency Flow

Decreasing friction in payments & exchange



As a serial entrepreneur and investment banker, Rob Griggs has had a successful 35+ year career in the high technology arena. Early in his career he was a top performer at Apple before starting his first software company in the mid-1980's. As a founder of Authorware / MacroMedia, NetRadio, Wit Capital, and many other companies, Rob's sales, marketing, business development and capital raising skills have been honed over supporting hundreds of company financial transactions during his career.

His success and extensive experience in software M&A uniquely qualify him as an expert in building value and realizing wealth. Rob joined Corum Group, the world's leading software M&A firm, with a specific focus on educating and helping prospective sellers maximize the value of their technology companies.

Rob Griggs Vice President Corum Group Ltd.





#4: Digital Currency Flow

Decreasing friction in payments & exchange

- Blockchain is grabbing headlines, but the key to the trend is decreasing transaction friction.
- Includes alternative currencies; not just crypto, but in-game tokens, Starbucks cards, airline miles, other loyalty programs, etc.
- Digital transformation is driving major consolidation in payments space from megadeals on down.
- Small efficiency improvements with potential to scale make attractive M&A targets.







#5: Data Science Monetization

Maximizing return with real-time analytics



Jim Perkins Executive Vice President Corum Group, Ltd.

Entertainment software entrepreneur Jim Perkins is directly responsible for publishing some of the industry's biggest franchises, including Unreal, Duke Nukem, Wolfenstein, Doom, Hunting Unlimited, and Driver. A well-known senior executive with a 22-year track record of publishing such bestselling hits, he founded and grew two highly successful software publishing companies (FormGen and ARUSH) from start-ups to multi-million dollar enterprises.

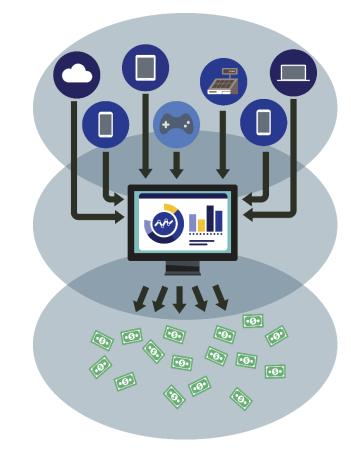
Jim also launched Radar Group, the first Transmedia Incubation Company to monetize entertainment franchises across all media, including film and television. His success and extensive experience in software production, marketing and public relations, packaging, online and retail distribution and software M&A, uniquely qualify him as an expert in building value and realizing wealth. Jim joined Corum Group, the world's leading software M&A firm, with a specific focus on educating and helping prospective sellers maximize the value of their digital media companies.



#5: Data Science Monetization

Maximizing return with real-time analytics

- Proactive monetization is a more valuable use of data science than cost cutting & efficiency gains.
- Robust analytic tools are no longer optional, especially for consumerfacing companies.
- Game companies are leading the way, with video ads close behind and new opportunities in retail, B2B value pricing, and beyond.
- In a world of freemium, free-to-play and declining ad effectiveness, proven ability to turn users into dollars is a valued asset.







#6: Focused IT Services

Differentiation drives new value in a sleepy sector



Peter Prince Vice President Corum Group Ltd.

Peter Prince has spent the last 27 years involved in starting and growing software companies or large divisions of international software companies. As well as following his entrepreneurial spirit he has held a number of senior roles for both privately held and public companies. He was part of several key acquisitions such as Software Artistry to IBM, Infinium to SSA GT and SSA Global to Golden Gate (Infor). He was President of SSA Global EMEA prior to its sale and then CEO of Cogniti.

Peter has a diverse background within the software industry spanning Operations, Sales, Mergers and Acquisitions and Integration. He's been retained by some of the largest Private Equity firms in an advisory capacity.

Peter has also focused on investing both time and funding into start-up and young companies over the recent years in a diverse range of sectors.

He attended Chiltern University attaining a business degree and later attended Harvard Business School successfully completing an executive course, Launching New Ventures.





#6: Focused IT Services

Differentiation drives new value in a sleepy sector

- Service firms specializing in a technology, sector or problem are seeing increased value.
- Intricate platforms require particular expertise for application, maintenance, and extension of tech stacks.
- Buyers value deep domain knowledge as a driver of defensible long-term customer relationships.
- Firms on the forefront of key trends & high-value verticals seeing particular interest.







#7: Smart Logistics

Moving things & people with a new level of efficiency



Rob Schram Senior Vice President Corum Group Ltd.

Rob has over 30 years of executive and entrepreneurial experience in multiple technologies: Integrated circuit testing, industrial process automation and control, communications software, security software, and energy software and services.

Rob has founded and sold several companies and engaged in two IPOs. He was most recently CEO of Evergreen Fuel Technologies, Inc. in the energy sector. Rob is a broadly skilled strategic development professional with a proven reputation for targeting, negotiating and developing profitable ventures and a demonstrated ability to successfully analyze an organization's critical business requirements, identify deficiencies and opportunities, and develop innovative and cost-effective solutions for enhancing competitiveness, increasing revenues, and improving customer relationships.





#7: Smart Logistics

Moving things & people with a new level of efficiency

- Movement of physical objects must increasingly keep pace with the movement of data.
- At the convergence of trends in AI, latent capacity utilization, ecommerce, consumer demand.
- Impact beyond traditional SCM, in multiple verticals including:
 - Transportation
 - Manufacturing
 - Construction
 - Agriculture







#8: Connected Health

Linking people to their health data & services



Steve Jones Vice President Corum Group Ltd.

Steve joined Corum after 25 years of executive experience in various high-tech industries with both public and private venture-backed startups. He has extensive global experience, opening international markets and growing sales from zero to tens of million in revenue. He has been on the forefront of selling several companies and spinning off software divisions, highlighted by the sale of GetFon to Alestra (AT&T Mexico). He is fluent in Spanish.

Steve was the founding CEO of Solera Networks, a real-time intrusion detection security company. He also co-founded Auction Trust Network, an eCommerce company for online exchanges; which he sold to MediaForge (Rakuten Marketing).

Steve is a board member of several software companies and has industry expertise in several areas: enterprise apps and infrastructure, security, mobile and wireless, media & entertainment, supply chain, and embedded devices/systems (IoT).





#8: Connected Health

Linking people to their health services & data

- Technical, regulatory and demographic changes drive shift from system-centric to patient-centric health IT.
- Patients demand consumergrade connections to data and providers.
- Providers need tools that help them compete.
- Notable demand for telemedicine, patient engagement, mobility & transparency solutions.







#9: Regtech Systems

Letting computers keep up with compliance



Dave joined Corum in 2015 and has a diverse background in technology and life sciences. As an executive and entrepreneur, Dave has been operating and investing in companies sitting at the convergence of commerce and eCommerce as well as innovative life science businesses for over twenty-five years. Recently, Dave was CEO North America for Gaxsys, an eCommerce and logistics company that is a leader in last mile logistics and fulfillment for eCommerce marketplaces.

Dave has been on both sides of the mergers and acquisitions table having sold a life science technology company, facilitated sell side and buy side technology transactions and has also scaled multiple technology companies globally in the eCommerce, life sciences and innovation intelligence markets. Dave sits on boards of public and private companies including one company that recently filed for an IPO.

David Levine Senior Vice President Corum Group Ltd.

Dave holds a business degree from the Indiana University, Kelley School of Business.





#9: Regtech Systems

Letting computers keep up with compliance

- The complexity of dealing with regulatory change is increasing.
- Rules in software becoming intrinsic to laws, mandates & agreements.
- Solution sets backed by legal requirements draw significant acquirer interest.
- Interconnected regulatory systems make consolidation of point solutions particularly attractive.







#10: Data Security

Building barriers in an age of blurred lines



Jon Scott Managing Director Corum Group Intl.

Jon joined Corum in 2010 out of their Seattle headquarters and is now based in Amsterdam. He has close to 30 years experience serving high technology companies with the last 20 mainly in chief operating and chief executive roles. During this time Jon has become known for his ability to successfully integrate strategies and tactics into well executed operating plans, building strong teams and achieving excellent results.

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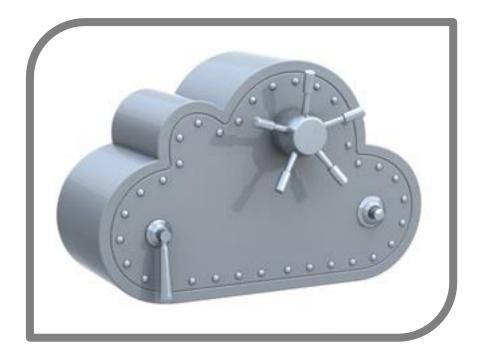




#10: Data Security

Building barriers in an age of blurred lines

- New technologies creating new risks from freer flowing data.
- High impact breaches & attacks (Equifax, Uber, WannaCry) drive broad recognition of security needs.
- Dominant trend is anti-malware, especially automation and Alenabled tools.
- The Internet of Things opened a new front, from IoT botnets to hijacked smart speakers.





Corum Research Report



Elon Gasper EVP, Research



Thoughts? Questions?

Amanda Tallman Senior Analyst



Amber Stoner Director of Research



Patrick Cunningham Research Analyst



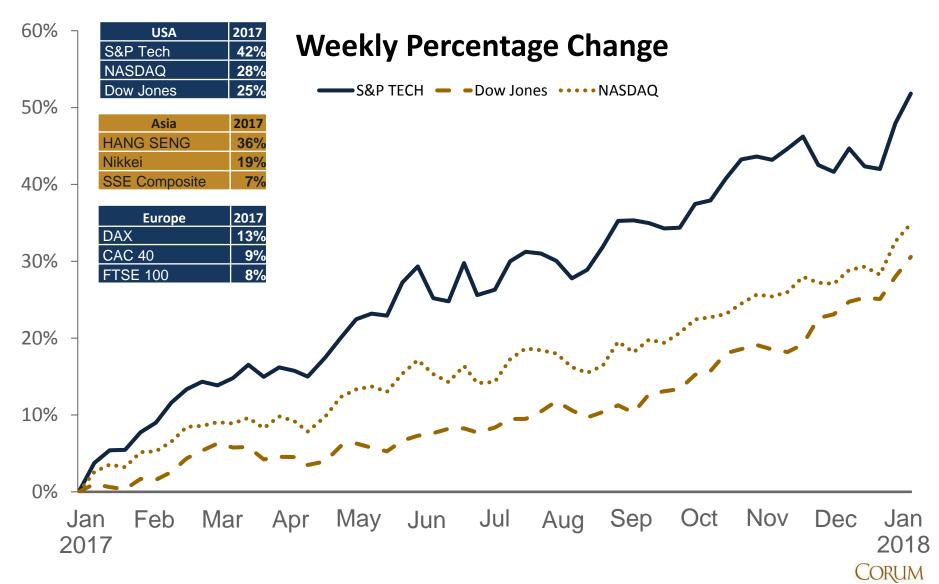
Yasmin Khodamoradi Director, Valuation Services



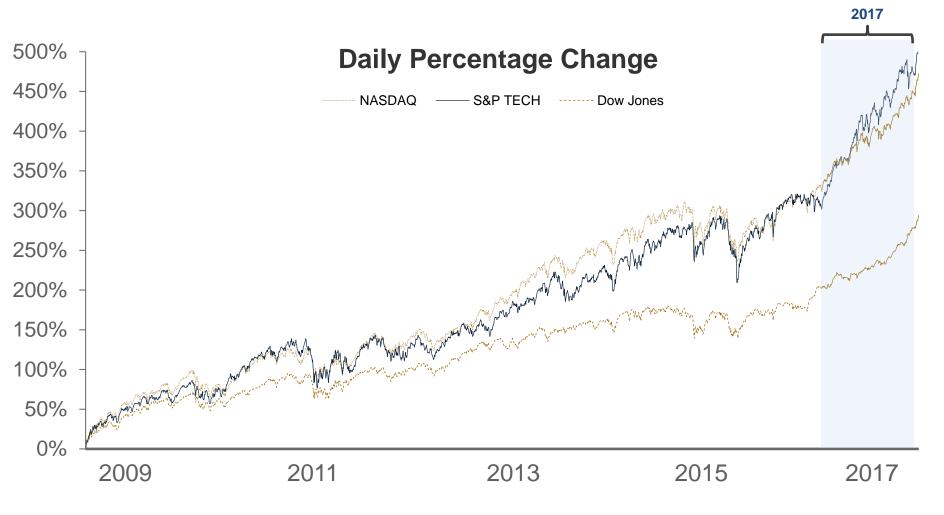
Becky Hill Research Analyst



Public Markets 2017



The Bull Market, 2009-Present

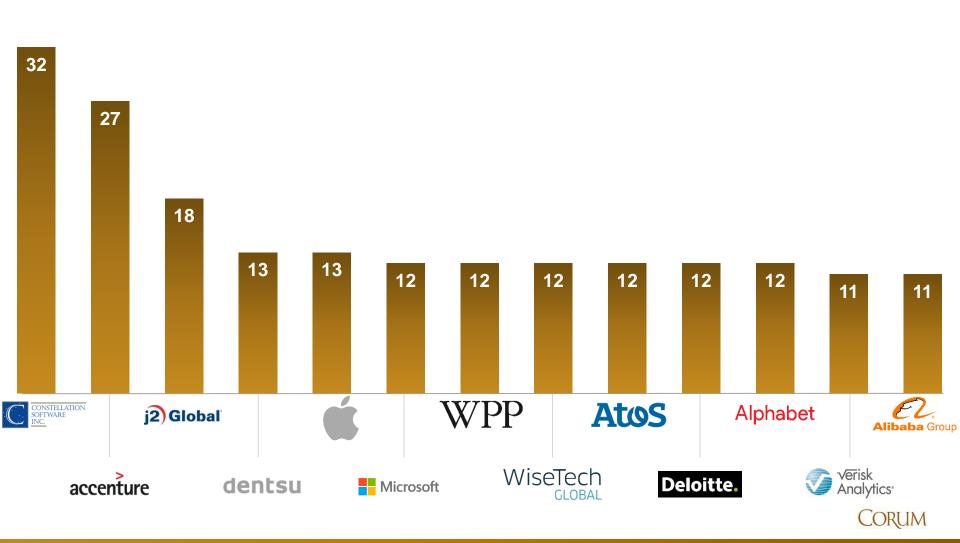




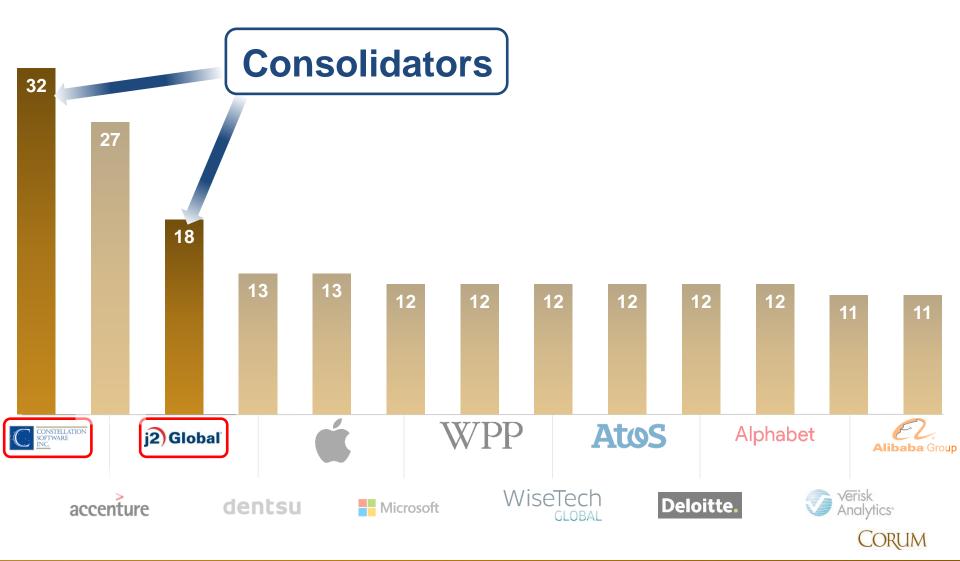
Corum Index

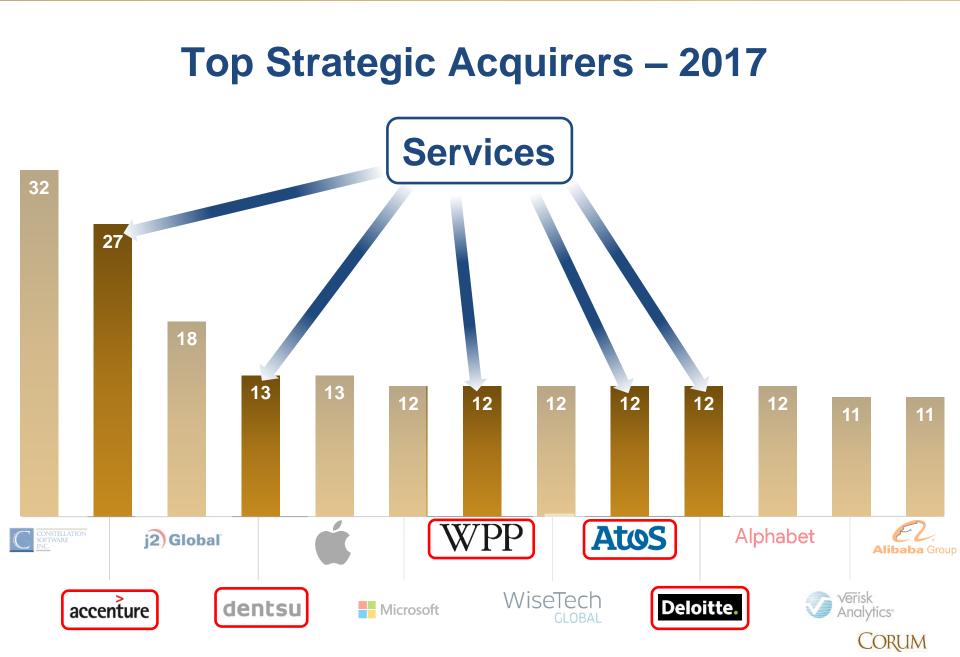
		2016	2017	_
	Transactions	3948	3441	13%
Market	Mega Deals	76	49	34%
	Largest Deal	\$39B	\$23B	42%
		2016	2017	
Pipeline	Private Equity Deals	323	398	23%
ripenne	VC Backed Exits	658	543	17%
		2016	2017	
Attributes	Cross Border Transactions	35%	39%	
	Start-Up Acquisitions	12%	12%	
	Average Life of Target	15 yrs	16 yrs	CORUM

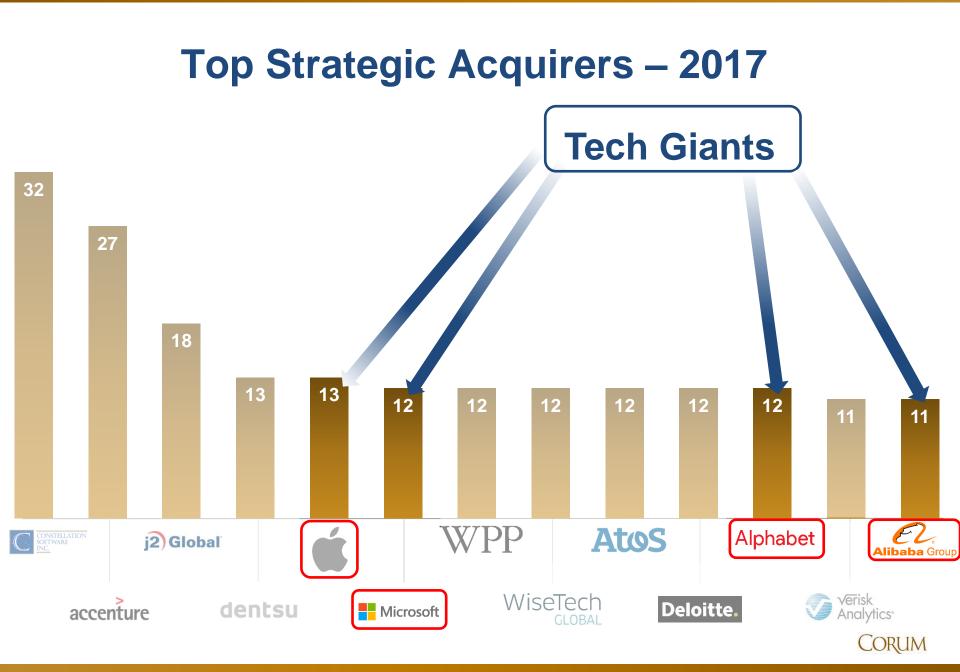
Top Strategic Acquirers – 2017

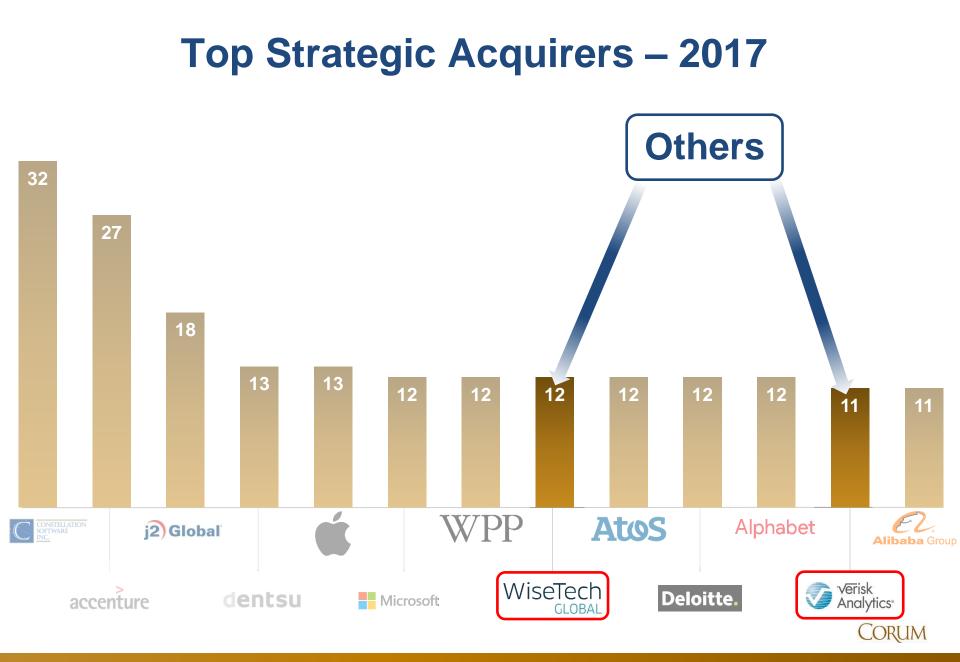


Top Strategic Acquirers – 2017









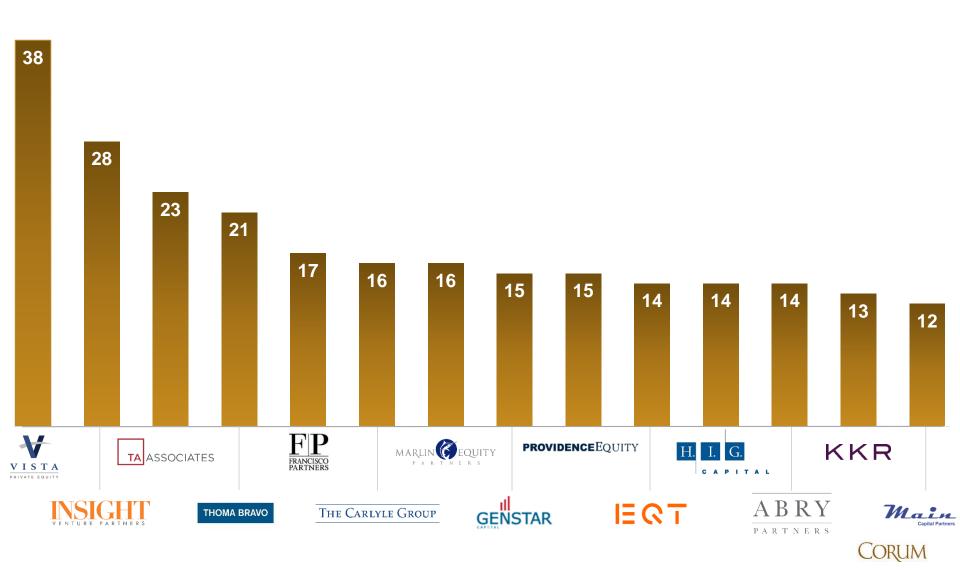
Buyer Leaderboard Rotation 2016 - 2017

Change		2016	2017
* 500%	WiseTech	2	12
300%	Atos	3	12
113%	Constellation	15	32
83%	Verisk Analytics	6	11
83%	Alibaba	6	11
63%	Apple	8	13
1 35%	Accenture	20	27
₽ 36%	General Electric	11	7
₽ 43%	Alphabet	21	12
₽ 62%	IBM	13	5
₽ 75%	Verizon	12	3
₽ 83%	Salesforce	12	2
₽ 90%	Intel	10	1

Constellation Software Acquisitions 2017



Top Private Equity Acquirers – 2017



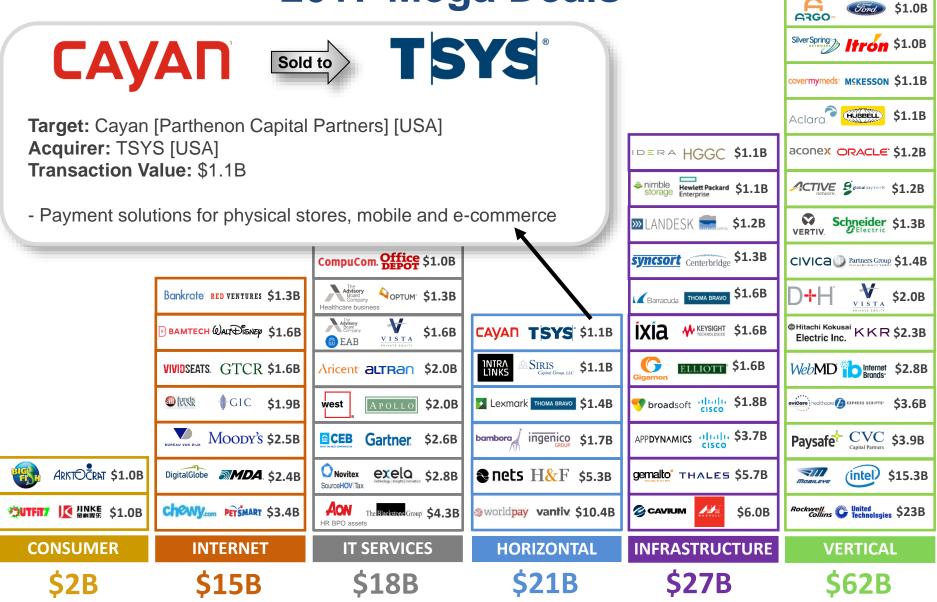
AGO \$1.0B

					SilverSpring Itron \$1.0B
					covermymeds MCKESSON \$1.1B
					Aclara (HUBBEL) \$1.1B
				IDERA HGGC \$1.1B	aconex ORACLE \$1.2B
				nimble Hewlett Packard \$1.1B	ACTIVE Belaufasyments \$1.2B
				MANDESK \$1.2B	VERTIV. Schneider \$1.3B
		CompuCom. Office \$1.0B		syncsort Centerbridge \$1.3B	
	Bankrate RED VENTURES \$1.3B	Healthcare business		Ваггасида ТНОМА ВКАУО \$1.6В	
	B BAMTECH (DALT DISNEP \$1.6B	EAB VISTA \$1.6B		ÍXÍA *** KEYSIGHT \$1.6B	^{⊚Hitachi Kokusai} KKR \$2.3B Electric Inc.
	VIVIDSEATS. GTCR \$1.6B	Aricent aLTRan \$2.0B	INTRA LINKS SIRIS Cguide Group, LLC \$1.1B	Gigamon ELLIOTT \$1.6B	WebMD binternet \$2.8B
	@} ∰∰GIC \$1.9B	west APOLLO \$2.0B	Lexmark THOMA BRAVO \$1.4B	broadsoft dially \$1.88	evicence healthouse (transis scripts: \$3.6B
	MOODY'S \$2.5B	CEB Gartner \$2.6B	bambora ingenico \$1.7B	APPDYNAMICS disco \$3.7B	Paysafe CVC \$3.9B
	DigitalGlobe MMDA. \$2.4B	Novitex SourceHOV/Tax	€nets H&F \$5.38	gemalo" THALES \$5.7B	manusere (intel) \$15.3B
	Chewy.com Persmart \$3.4B	AON The Blackstone Group \$4.3B	⊛world <mark>pay vantiv \$10.4B</mark>	© салим \$6.0В	Rockwell. Collins Technologies \$23B
CONSUMER	INTERNET	IT SERVICES	HORIZONTAL	INFRASTRUCTURE	VERTICAL
\$2B	\$15B	\$18B	\$21B	\$27B	\$62B

2017 Mega Deals									
		old to	JINKE 金融娱乐		SilverSpring Itron \$1.0B				
			金科娱乐		covermymeds. MCKESSON \$1.1B				
Target: Outfit7 [Slovenia]									
	Acquirer: Zhejiang Jinke Culture Industry [China] Transaction Value: \$1B								
	·	iantiana		nimble storage Hewlett Packard \$1.1B	ACTIVE & Biseal Anyments \$1.2B				
- Home entertai	inment mobile appl			MANDESK \$1.2B	VERTIV. Schneider \$1.3B				
		CompuCom. Office \$1.0B		syncsort Centerbridge \$1.3B					
	Bankrate RED VENTURES \$1.3B	Healthcare business		Ваггасида тнома вкачо \$1.6В					
	BAMTECH WALT DISNEP \$1.6B	EAB VISTA \$1.6B		ÍXÍA ** ECHNOLOGIES \$1.6B	^{®Hitachi Kokusai} KKR \$ 2.3B Electric Inc.				
	VIVIDSEATS. GTCR \$1.6B	Aricent aLTRan \$2.0B	INIRA LINKS SIRIS Capital Group, LLC \$1.1B	Gigamon ELLIOTT \$1.6B	WebMD http://www.seamong.com/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webmd/webm				
	@}∭ GIC \$1.9B	west APOLLO \$2.0B	Lexmark THOMA BRAVO \$1.4B	broadsoft the \$1.8B	evicore healthoore @ EXPRESS SCRIPTS' \$3.6B				
	DUREAU VAN DIJK MOODY'S \$2.5B	CEB Gartner \$2.6B	bambora ingenico \$1.7B	APPDYNAMICS diale \$3.7B	Paysafe CVC \$3.9B				
AristOcrat \$1.0B	DigitalGlobe amd \$2.4B	Novitex SourceHOV/Tax	€nets H <mark>&</mark> F \$5.3B	gemalto [×] THALES \$5.7B	Magnieve (intel) \$15.3B				
	chewy.com Petsmart \$3.4B	AON The Blackstone Group' \$4.3B	⊗world <mark>pay vantiv</mark> \$10.4B	Scavium 256.0B	Rockwell Fechnologies \$23B				
CONSUMER	INTERNET	IT SERVICES	HORIZONTAL	INFRASTRUCTURE	VERTICAL				
\$2B	\$15B	\$18B	\$21B	\$27B	\$62B				

2017 Mega Deals									
cher	SilverSpring Itron \$1.0B								
covermymeds' MSKESSON \$1									
Acquirer: PetSmart [USA]									
Transaction value: \$3.4B (reported)									
- Online pet pro	oducts marketplace			nimble storage Hewlett Packard \$1.1B Enterprise					
				MANDESK \$1.2B	VERTIV. Schneider \$1.3B				
		CompuCom. Office \$1.0B		syncsort Centerbridge \$1.3B					
	Bankrate RED VENTURES \$1.3B	Healthcare business		Ваггасиса ТНОМА ВРАУО \$1.6В					
	BAMTECH WALT DISNEP \$1.6B	EAB VISTA COUT	CAYAN TSYS \$1.1B	ÍXÍA ** KEYSIGHT \$1.6B	^{©Hitachi Kokusai} KKR \$2.3B Electric Inc.				
	VIVIDSEATS. GTCR \$1.6B	Aricent aLTRan \$2.0B		Gigamon ELLIOTT [®] \$1.6B	WebMD hternet \$2.8B				
	@ ₩\$\$ ∦ GIC \$1.9B	west APOLLO \$2.0B	Lexmark THOMA BRAVO \$1.4B	broadsoft divide \$1.88					
	NOODY'S \$2.5B	Gartner \$2.6B	bambora ingenico \$1.7B	APPDYNAMICS disco \$3.7B	Paysafe CVC \$3.9B				
	DigitalGlobe MDA \$2.4B	Novitex SourceHOV/Tax	€ nets H&F \$5.3B	gemalto THALES \$5.7B	manueve (intel) \$15.3B				
	chewy.com Petsmart \$3.4B	AON The Blackstone Group \$4.3B	worldpay vantiv \$10.4B	Scavium 56.0B	Rockwell, Collins Technologies \$23B				
CONSUMER	INTERNET	IT SERVICES	HORIZONTAL	INFRASTRUCTURE	VERTICAL				
\$2B	\$15B	\$18B	\$21B	\$27B	\$62B				

	GTGO. \$1.0B								
Arice	SilverSpring Itron \$1.0B								
Aricente Sold to ALTRAN									
Target: Aricent [K	Target: Aricent [KKR] [USA]								
Acquirer: Altran Technologies [France] Transaction Value: \$2B (2.9x EV/Sales)									
	ACTIVE & global payments \$1.2B								
- System integrati	VERTIV. Schneider \$1.3B								
	CompuCom. Office \$1.0B								
	Bankrate ^{, RED} VENTURES \$1.3B	Healthcare business		Barracuda THOMA BRAVO \$1.6B	D+H \$2.0B				
	BAMTECH WARDISNEP \$1.6B	EAB EST \$1.6B	CAYAN TSYS \$1.1B	ÍXÍA MEYSIGHT \$1.6B	^{® Hitachi Kokusai} KKR \$2.3B Electric Inc.				
	VIVIDSEATS. GTCR \$1.6B	Aricent aLTRan \$2.0B	INTRA LINKS SIRIS Gopied Group, LLC \$1.1B	Gigamon ELLIOTT \$1.6B	WebMD Brands \$2.8B				
	@ ₩₩ ∯GIC \$1.9B	west APOLLO \$2.0B	Lexmark THOMA BRAVO \$1.4B	broadsoft diale \$1.88	evicence healthcare @ EXPRESS SCRIPTS* \$3.6B				
	WOODY'S \$2.5B	CEB Gartner \$2.6B	bambora ingenico \$1.7B	APPDYNAMICS Ululle \$3.7B	Paysafe CVC \$3.9B				
	DigitalGlobe MDA . \$2.4B	Novitex SourceHOV/Tax	€nets H&F \$5.3B	gemalto THALES \$5.7B	manueve (intel) \$15.3B				
	Chewy.com Petsmart \$3.4B	The Blackstone Group' \$4.3B	⊚world <mark>pay vantiv \$10.4B</mark>	Scavium 🧩 \$6.0B	Rockwell. Collins 🏶 Technologies \$23B				
CONSUMER	INTERNET	IT SERVICES	HORIZONTAL	INFRASTRUCTURE	VERTICAL				
\$2B	\$15B	\$18B	\$21B	\$27B	\$62B				



	Con \$1.0B				
gema	SilverSpring Itron \$1.0B				
Security	covermymeds' MSKESSON \$1.1B				
Target: Gema	Aclara. \$1.1B				
Acquirer: Tha	lles Group [France]	DERA HGGC \$1.1B	aconex ORACLE \$1.2B		
Transaction V	ACTIVE global payments \$1.2B				
- Digital securi	₩LANDESK #	VERTIV. Schneider \$1.3B			
		CompuCom. Office \$1.0B		syncsort Centerbridge \$1.3B	
	Bankrate RED VENTURES \$1.3B	Healthcare business		Ваггасида ТНОМА ВКАУО \$1.6В	D+H ¥15TA \$2.0B
	BAMTECH WARDISNEP \$1.6B	EAB SIACE SUIT	CAYAN TSYS \$1.1B	ÍXÍA *** KEYSIGHT \$1.6B	^{®Hitachi Kokusai} KKR \$2.3B Electric Inc.
	VIVIDSEATS. GTCR \$1.6B	Aricent aLTRan \$2.0B	INTRA LINKS SIRIS Capital Group, LLC \$1.1B	Gigamon ELLIOTT \$1.6B	WebMD htemet \$2.8B
	@ ₩\$\$\$ ∲ GIC \$1.9B	west APOLLO \$2.0B	Lexmark THOMA BRAVO \$1.4B	broadsoft dially \$1.88	evicence theolthoore @ EXPRESS SCRIPTS' \$3.6B
	NOODY'S \$2.5B	CEB Gartner \$2.6B	bambora ingenico \$1.7B	APPDYNAMICS disco \$3.7B	Paysafe CVC \$3.9B
AristOCrat \$1.0B	DigitalGlobe The State	Novitex SourceHOV/Tax	€nets H&F \$5.38	gemalo THALES \$5.7B	manueve (intel) \$15.3B
	Chewy.com Petsmart \$3.4B	AON HR BPO assets	worldpay vantiv \$10.4B	Scavium 🧩 \$6.0B	Rockwell & United Sector Sector Recting Rockwell & Rockwell & Sector Sec
CONSUMER	INTERNET	IT SERVICES	HORIZONTAL	INFRASTRUCTURE	VERTICAL
\$2B	\$15B	\$18B	\$21B	\$27B	\$62B

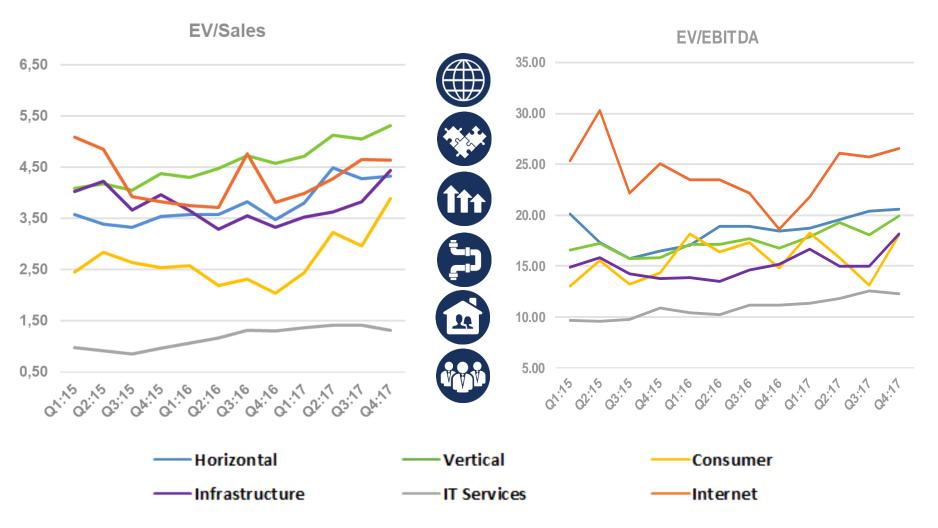
	2017 Mega Deals								
acui	aconex Sold to ORACLE® covernymeds MEKESSON \$1.1B								
Target: Acor	Target: Aconex [USA]								
Acquirer: Oracle Corporation [Australia]									
Transaction	Transaction Value: \$1.2B								
- Online colla	aboration platform f	or the construction	industry	₩LANDESK \$1.2B	VERTIV. Schneider \$1.3B				
		syncsort Centerbridge \$1.3B							
	Bankrate RED VENTURES \$1.3B	Healthcare business		Barracuda THOMA BRAVO \$1.6B	D+H ¥ \$2.0B				
	BAMTECH WALT DISNEP \$1.6B	EAB EISTA \$1.6B	CAYAN TSYS \$1.1B	ÍXÍA MEVSIGHT \$1.6B	® ^{Bitachi Kokusai} KKR \$2.3B Electric Inc.				
	VIVIDSEATS. GTCR \$1.6B	Aricent aLTRan \$2.0B	INTRA LINKS SIRIS Capital Group, LLC \$1.1B	Gigamon ELLIOTT \$1.6B	WebMD hternet \$2.8B				
	@⊞%% ∦ GIC \$1.9B	west APOLLO \$2.0B	Lexmark THOMA BRAVO \$1.4B	broadsoft dinity \$1.8B	evicente healthcare () CEPRESS SCRIPTS' \$3.6B				
	BUREAU YAN DIJK MOODY'S \$2.5B	CEB Gartner \$2.6B	bambora ingenico \$1.7B	APPDYNAMICS disco \$3.7B	Paysafe CVC \$3.9B				
	DigitalGlobe and \$2.4B	Novitex SourceHOV/Tax	⊚nets H&F \$5.3B	gemallo THALES \$5.7B	manleve (intel) \$15.3B				
SUTFAT I ANKE \$1.0B	Chewy.com Petsmart \$3.4B	HR BPO assets	⊛world pay vantiv \$10.4B	Scavium	Rockwell, Streetwood S				
CONSUMER	INTERNET	IT SERVICES	HORIZONTAL	INFRASTRUCTURE	VERTICAL				
\$2B	\$15B	\$18B	\$21B	\$27B	\$62B				

Market Sectors





3-Year Market Valuation Trends

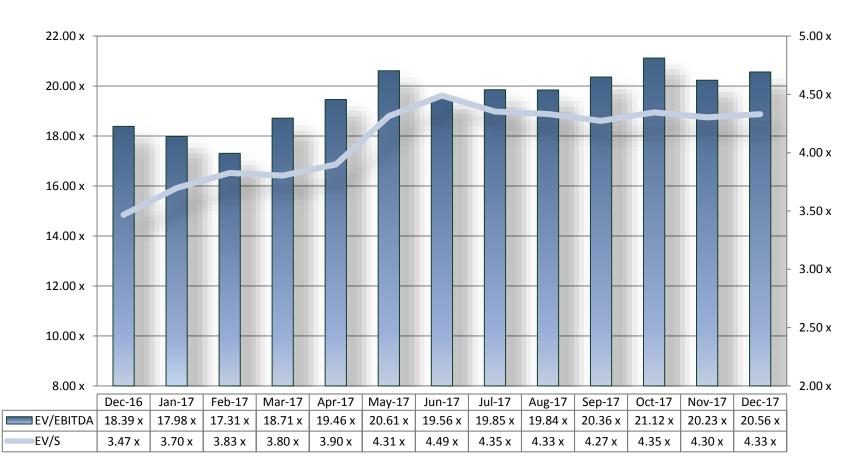




Public Valuation Multiples

EV/EBITDA

EV/S





Horizontal Application Software Valuations

Subsector		Sales	EBITDA		Examples	
Business Intelligence		4.32x	21.44x	MicroStrategy [.]	NICE®	‡‡+ + a b e a u.
Marketing		4.24x	25.46x	acxi@m.	AllianceData.	HubSpot
CRM		2.90x	33.47x	CONVERGYS	OLIVE PERSON	salesforce
ERP		4.76x	21.61x	ORACLE	PEGA	SAP
Human Resources		7.41x	36.50x		PAYCHEX Payroll • HR • Retirement • Insurance	workday.
SCM	▼	4.32x	22.45x	(m) aspentech	DESC 🖊 RTES	Manhattan Associates.
Payments		4.09x	17.34x	ACI UNIVERSAL PAYMENTS.	PayPal	vantiv
Other		3.76x	18.89x	NUANCE	opentext	Trimble.

Deal Spotlights: Analytics/BI

Target	Acquirer	Target Country	Acquirer Country	Month	Description
guavus	THALES	USA	France	April	Big data analytics applications
% birst	infor	USA	USA	April	Networked business analytics platform
	Ś	USA	USA	May	AI-engine converting unstructured 'dark' data
SCYFR		Netherlands	USA	August	AI-enabled big data analytics SaaS
🔅 prudsys	GK SOFTWARE	Germany	Germany	September	Realtime Decisioning Engine
	MARLIN EQUITY	USA	USA	October	Web-based reporting and data visualization platform
	Panasonic	USA	Japan	October	Data intelligence applications
ALPINE DATA	TIBC	USA	USA	November	Big data predictive solutions
	Docu Sign.	USA	USA	December	Proactive retention management solutions



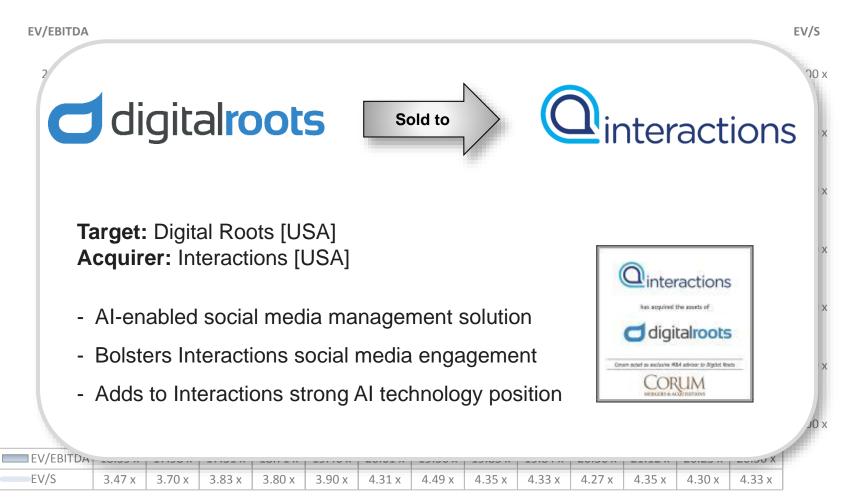








Deal Spotlight: Social Media Customer Engagement





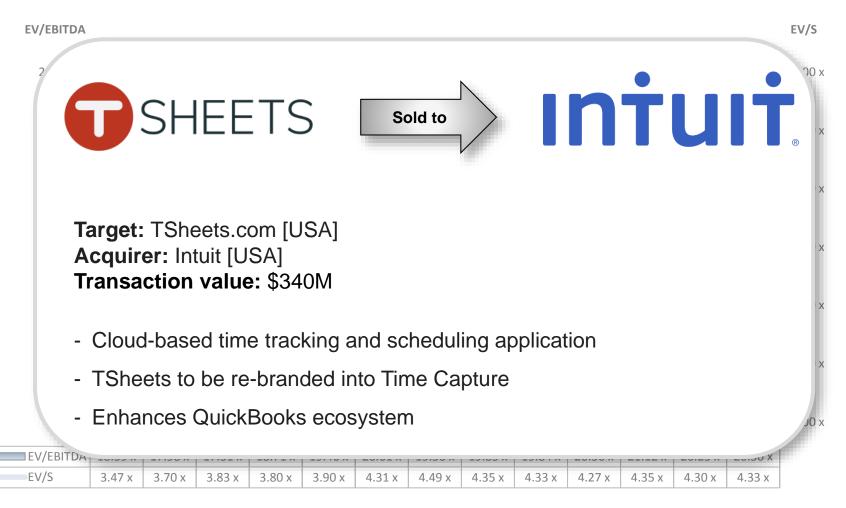


Deal Spotlights: Smart Logistics

Target	Acquirer	Target Country	Acquirer Country	Month	Description
inthine	ORBCOMM	USA	USA	June	Fleet management, driver-safety, and telematics solutions
PCS Trac	DESCARTES	USA	Canada	June	Inventory control and management solutions
GRAND JUNCTION		USA	USA	August	SaaS platform for accessing and managing local deliveries
	DESCARTES	USA	Canada	August	Cloud-based freight visibility platform
10 4	Trimble.	USA	USA	September	Multimodal shipment visibility solutions
菜鸟网络 CAINIAO	EZ. Alibaba Group	China	China	September	Domestic delivery, logistics and warehousing services
Blue Tree Systems	ORBCOMM	Ireland	USA	October	Fleet management, vehicle tracking and telematics software
Zyme SM	SESOPEN.	USA	USA	November	Channel data integrity and intelligence solutions
NexTraq [.]		USA	France	December	GPS fleet tracking and management technology

Horizontal Application Software Market

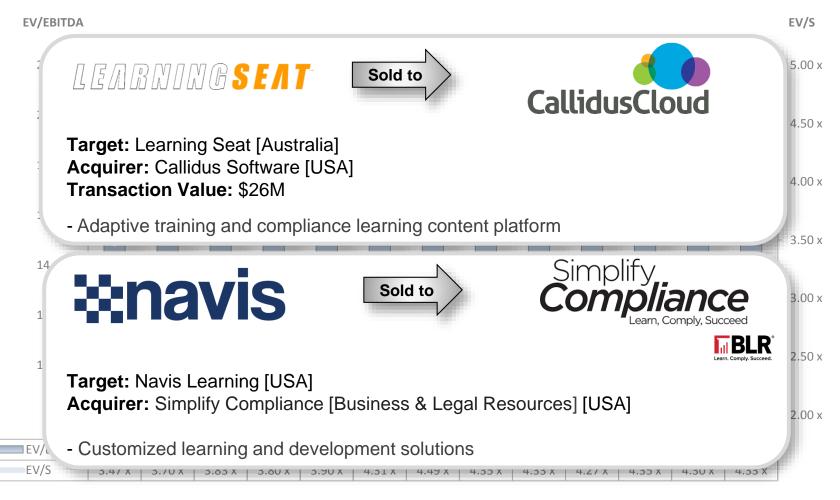
Deal Spotlight: Time Tracking





Horizontal Application Software Market

Deal Spotlights: Employee Training Software

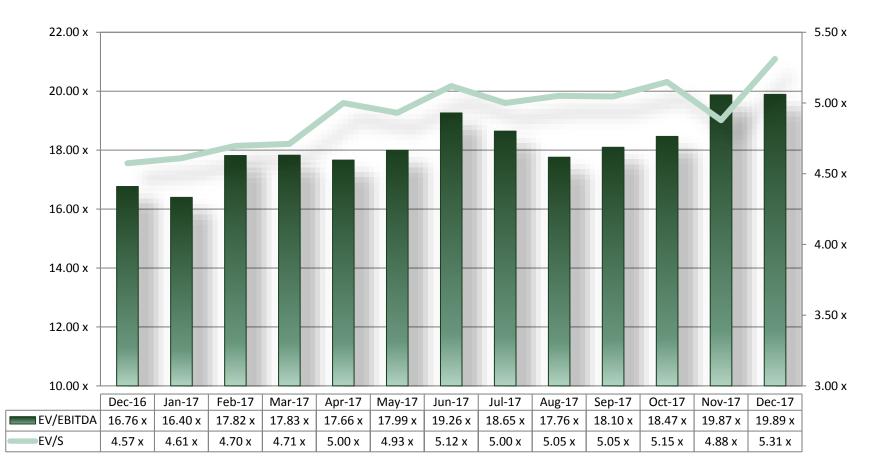


Vertical Application Software Market

Public Valuation Multiples

EV/EBITDA

EV/S



Wertical Application Software Valuations

	Sales	EBITDA		Examples	
	6.52x	26.02x	AUTODESK.		Synopsys°
	5.39x	19.16x	Autotrader 😩	BitAuto易车	● CDK ● Global.
—	4.89x	18.19x	IHS Markit	Itron	Schlumberger
	5.40x	18.22x	K Broadridge	Fis	fiserv.
	2.29x	14.73x	NORTHROP GRUMMAN	Raytheon	
	4.43x	25.34x	[⊗] Allscripts [.]	Vathenahealth	😂 Cerner
—	6.77x	38.74x	CoreLogic [®]	CoStar Group	Zillow
	3.70x	14.68x	amadeus°	Rockwell Automation	Sabre
		 6.52x 5.39x 4.89x 5.40x 2.29x 4.43x 6.77x 	 6.52x 26.02x 5.39x 19.16x 4.89x 18.19x 5.40x 18.22x 2.29x 14.73x 4.43x 25.34x 6.77x 38.74x 	 ▲ 6.52x 26.02x ▲ UTODESK. ▲ 5.39x 19.16x ▲ 4.89x 18.19x ▲ 5.40x 18.22x ▲ 5.40x 18.22x ▲ 2.29x 14.73x ▲ 4.43x 25.34x ▲ Allscripts ▲ 6.77x 38.74x 	▲ 6.52x 26.02x ▲ AUTODESK ▷ SUBSERVES ▲ 5.39x 19.16x Autotrader (1) BitAuto 555 → 4.89x 18.19x ○ HIS Markit Ifroin ▲ 5.40x 18.22x Eroadridge ○ C Star Group ▲ 2.29x 14.73x ○ Allscripts ● athenchealth ▲ 4.43x 25.34x ◎ Allscripts ● athenchealth



Vertical Application Software Market

Deal Spotlights: Patient Engagement

Target	Acquirer	Month	Value	Description
eliza.	Chms	March	\$170M	Speech-enabled patient engagement SaaS
Entrada	NEXTGEN	April	\$34M	EHR, care coordination and medical outcomes management SaaS
Practice Simplified	Vathena health	June	\$63M	EHR for tracking patient care and outcomes
Sinfonía Rr		September	\$132M	Medication therapy management solutions
tea leaves	Optimizing Health, Maximizing Rewards.	October	\$90M	Patient relationship management platform
strive labs [*]	WebPT [®]	October	-	Patient relationship management platform
	PHILIPS	December	-	Care coordination and outcome measurement platform

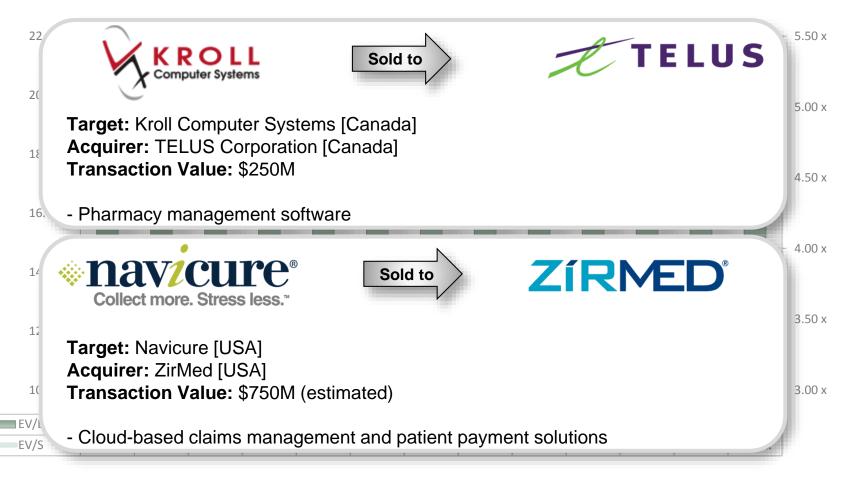


W Vertical Application Software Market

Deal Spotlights: Healthcare

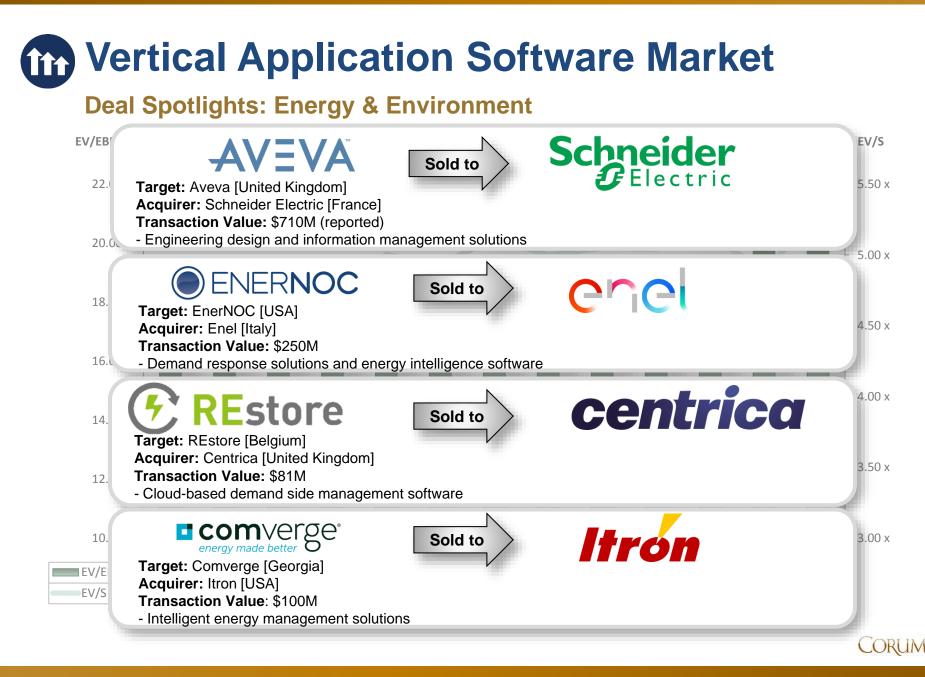
EV/EBITDA

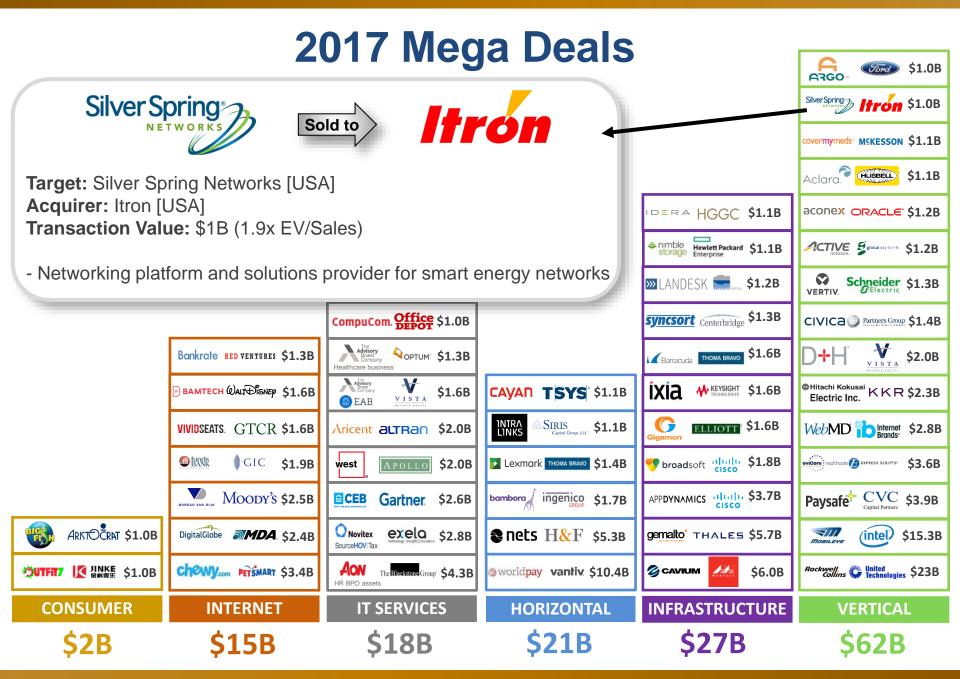
EV/S





	2017 Mega Deals									
	Sold to HUBBELL									
ACIO	ACIAIA Sold to HOBBELL covernymeds' MEKESSON \$1.1B									
<u> </u>	Target: Aclara Technologies [Sun Capital Partners] [USA]									
Acquirer: Hubb Transaction Va	E 2			DERA HGGC \$1.1B	aconex ORACLE \$1.2B					
				nimble storage Enterprise	ACTIVE Bebalayments \$1.2B					
- Smart meterin	g solutions to gas a	and electric utilities		MANDESK \$1.2B	VERTIV. Schneider \$1.3B					
		syncsort Centerbridge \$1.3B								
	Bankrate RED VENTURES \$1.3B	Healthcare business		Barracuda THOMA BRAVO \$1.6B						
	BAMTECH WALT DISNEP \$1.6B	EAB EAS \$1.6B	CAYAN TSYS \$1.1B		^{® Hitachi Kokusai} KKR \$ 2.3 B Electric Inc.					
	VIVIDSEATS. GTCR \$1.6B	Aricent aLTRan \$2.0B	INTRA LINKS SIRIS Copied Group, ILC \$1.1B	Gigamon ELLIOTT \$1.6B	WebMD binternet \$2.8B					
	@ ∰∰ GIC \$1.9B	west APOLLO \$2.0B	Lexmark THOMA BRAVO \$1.4B	broadsoft diale \$1.88						
	NOODY'S \$2.5B	CEB Gartner \$2.6B	bambora ingenico \$1.7B	APPDYNAMICS CISCO \$3.7B	Paysafe CVC \$3.9B					
	DigitalGlobe MDA. \$2.4B	Novitex SourceHOV/Tax	€nets H&F \$5.3B	gemalo" THALES \$5.7B	monueve (intel) \$15.3B					
CUTFITY IN HINKE \$1.0B	Chewy.com Petsmart \$3.4B	AON The Blackstone Group \$4.3B	worldpay vantiv \$10.4B	😂 саллым 🤼 \$6.0В	Rockwell. Collins 🍑 United Technologies \$23B					
CONSUMER	INTERNET	IT SERVICES	HORIZONTAL	INFRASTRUCTURE	VERTICAL					
\$2B	\$15B	\$18B	\$21B	\$27B	\$62B					





Vertical Application Software Market

Deal Spotlights: Construction Software

Target	Acquirer	Target Country	Acquirer Country	Month	Description
ConEst Software Systems	JDM Technology Group	USA	Canada	March	Electrical estimating, takeoff, service and project management software
	ECI Software Solutions THE CARLYLE GROU	USA	USA	March	ERP solutions to the home building industry
	CATERPILLAR®	USA	USA	May	Online peer-to-peer equipment rental platform
DEXTER+CHANEY	VIEWPOINT	USA	USA	July	Enterprise resource planning construction software
🌗 NEWFORMA	Battery Ventures	USA	USA	August	Web-hosted construction collaboration software
est i-mate 	JDM Technology Group	United Kingdom	Canada	September	Construction estimating software
Construction Reports com		USA	USA	October	Construction information cloud-based platform
🎓 аргісоп	ADDNODE GROUP	Sweden	Sweden	October	Project collaboration SaaS for the construction and real estate industry
aconex	ORACLE	[®] Australia	USA	December	Online collaboration platform for the construction industry
4Clicks	G RDIAN°	USA	USA	December	Estimating and project management software



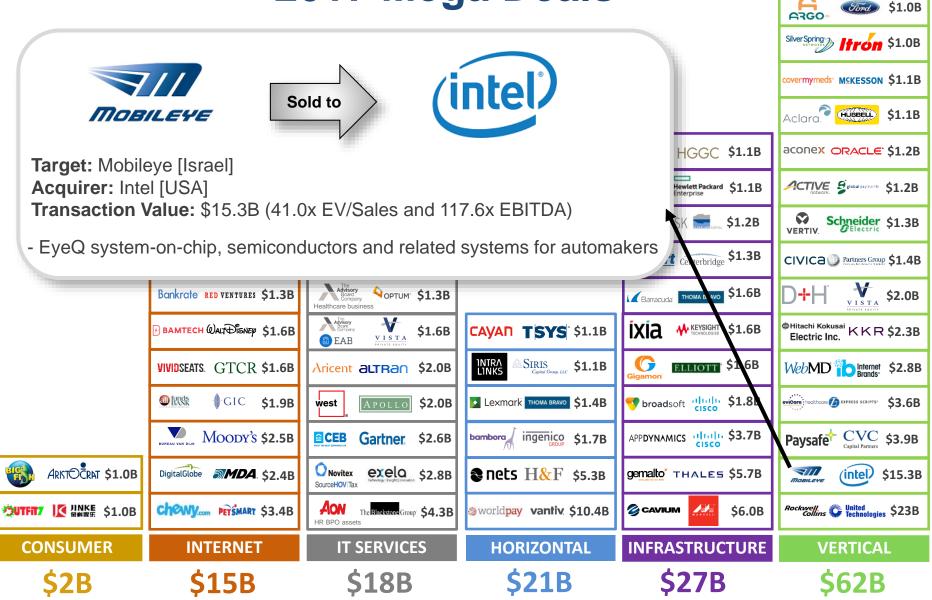
Vertical Application Software Market

Deal Spotlights: Autonomous Vehicle Tech

Target	Acquirer	Target Country	Acquirer Country	Month	Description
à autonomos	тоттот 🤣	Germany	Netherlands	January	Software for autonomous driving
ALCO-	Ford	USA	USA	February	Sensor-based AI-enabled operation software
gest <mark>i</mark> gon	Valeo	Germany	France	March	Skeleton tracking and gesture recognition software
STR@B		USA	USA	March	Autonomous vehicles adoption through LiDAR solutions
	SIEMENS	Netherlands	Germany	August	Self-driving vehicles simulation software
Aurora:	BOEING	USA	USA	October	Advanced unmanned systems and aerospace vehicles
	DELPHI	USA	USA	October	Automated driving software solution
Princeton Lightwave	ARGO (Jord	USA	USA	October	Lidar sensing devices

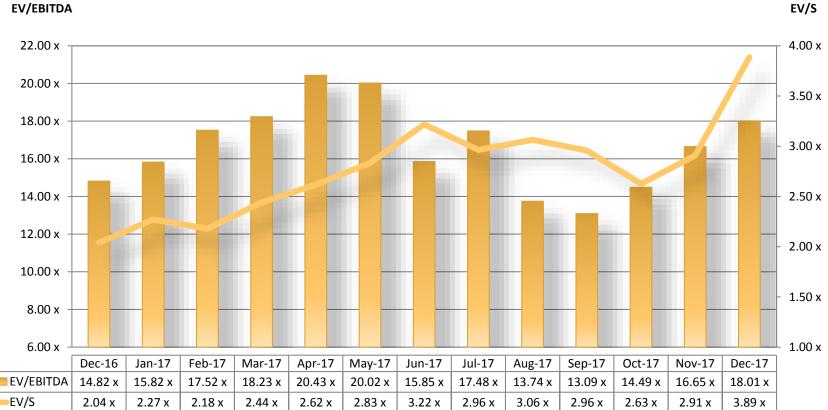


2017 Mega Deals





Public Valuation Multiples



EV/S



Subsector		Sales	EBITDA		Examples	
Casual Gaming		4.22x	22.49x	glu™	Nintendo	ZYNG
Core Gaming		4.46x	13.16x	ACTIVISION.	ĒÀ	
Other	▼	0.99x	N/A	GoPro	NETFLIX	pandora®

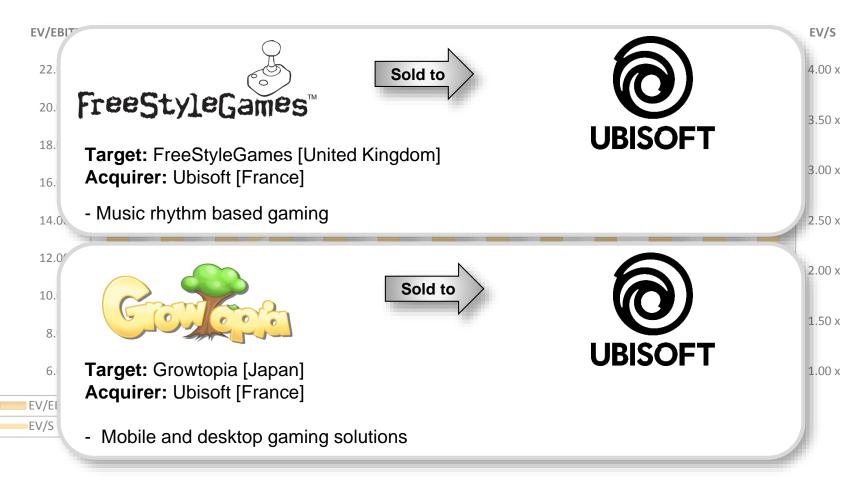


Deal Spotlights: Chinese Tech Giants

EV/EBITDA EV/S 4.00 x 27 **Space**Ape[™] Sold to 2 3.50 x Target: Space Ape [USA] 1 Acquirer: Supercell [Tencent Holdings] [Finland] 3.00 x Transaction value: \$55.8M 1 2.50 x 14 - Internet-based mobile and tablet games 12.0 2.00 x **EJOY** 簡悦 Sold to 1 Alibaba.com 1.50 x **Target:** Ejoy Technology [China] 1.00 x Acquirer: Alibaba [China] EV/ EV/ - Internet games developer



Deal spotlights: Casual Gaming



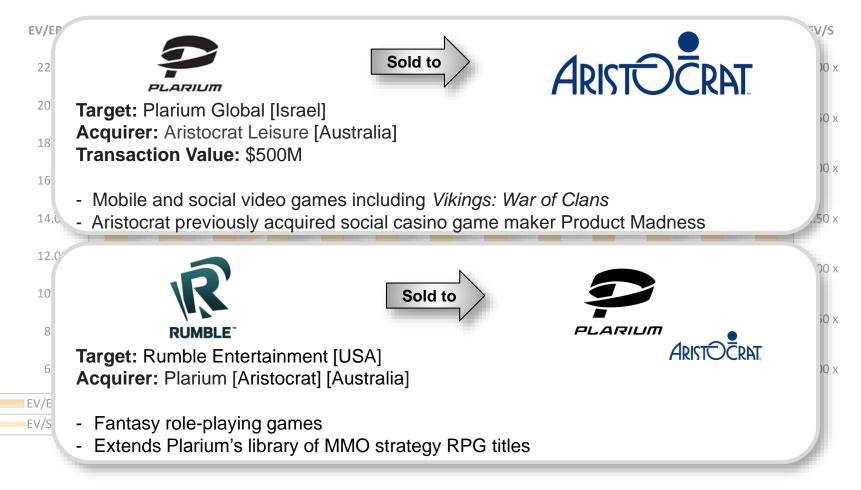


Deal Spotlight: Blockbuster Franchise





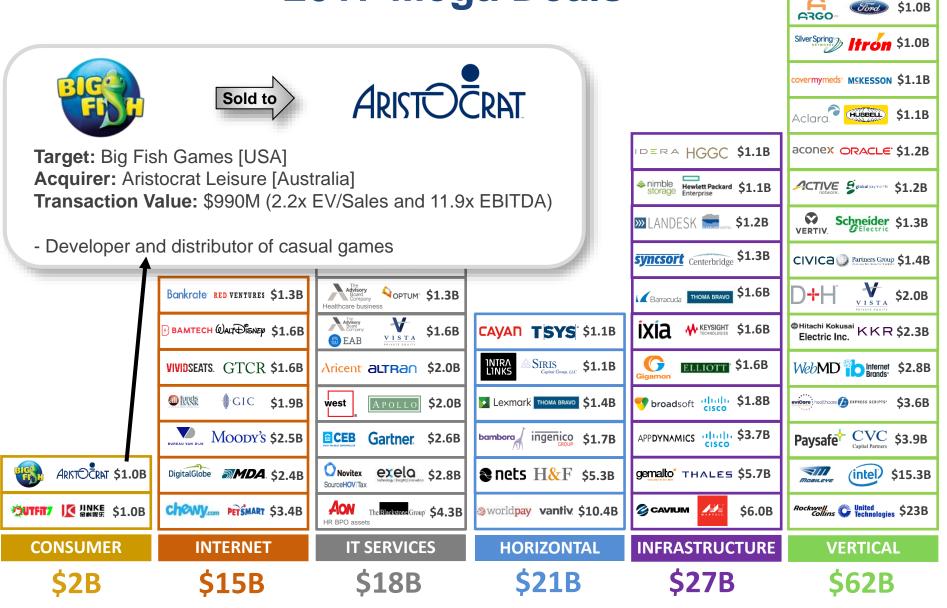
Deal Spotlights: Social Gaming





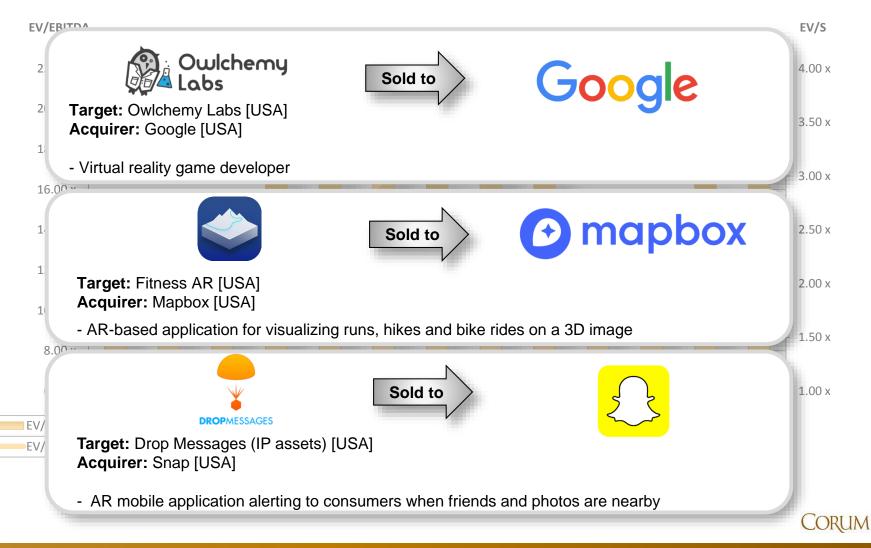
2017 Mega Deals

(Ford) \$1.0B





Deal Spotlights: AR/VR



Deal Spotlights: IoT/Wearables

EV/EBITDA EV/S 4.00 x 22 nnovo Sold to 2 3.50 x 11 Target: Knoton [USA] 3.00 x Acquirer: Innovo Technology [Signature Devices Corporation] [USA] 1 2.50 x 14 - IoT devices and software for tracking health, pet's location or a child 12.00 2.00 x novo 10 Sold to 1.50 x TazerMobile **Target:** Tazer Mobile [dba Tazerwear] [USA] 1.00 x Acquirer: Innovo Technology [Signature Devices Corporation] [USA] EV/ EV/ - Android-based wearable devices with AI software for smart object recognition



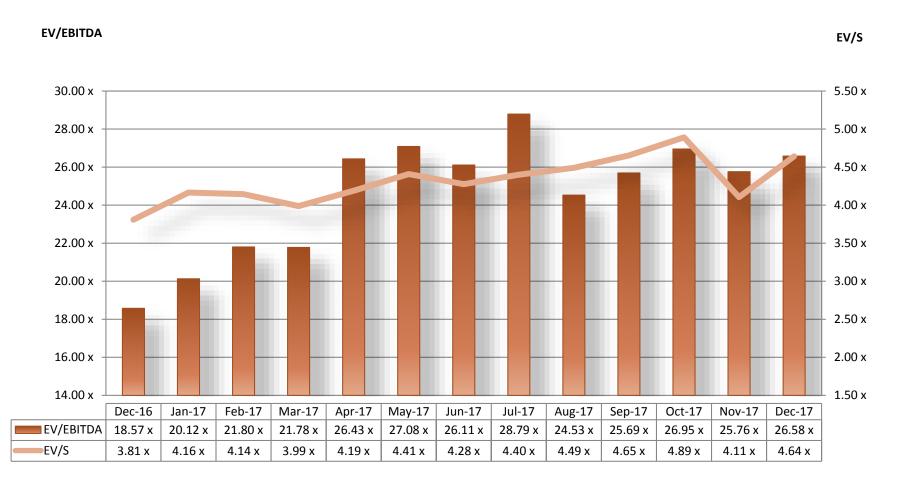


Deal Spotlights: Spotify

Target	Acquirer	Target Country	Month	Description
SONALYTIC	Spotify [®]	United Kingdom	March	Audio detection technology for the identification, monitoring, and discovery of music
М		USA	March	iPhone entertainment recommendation application across streaming media and VoD services
mediachain 📞	Spotify [®]	USA	April	Open media library that automatically connects media to creator and metadata using blockchain technology
W niland music search systems	Spotify [®]	France	May	Online music search and AI-based recommendation software for music publishers
(—) Soundtrap		Sweden	November	Cloud-based audio recording platform enabling collaboration and creation music and audio



Public Valuation Multiples





Subsector	Sales	EBITDA		Examples	
Diversified Internet	▲ 6.01x	27.44x	Alphabet	Baid的百度	Tencent 腾讯
eCommerce	▼ 0.91x	29.47x	ebay	JD.京东 JD.com	🕨 zalando
Social Network	▲ 6.29x	23.41x	f	G R O U P	twitter
Travel & Leisure	▲ 7.13x	30.25x	JUST EAT	Expedia ®	priceline.com [•]





Deal Spotlights: Composite Commerce

Target	Acquirer	Target Country	Acquirer Country	Month	Description
creativebug [.]	JO-ANN fabric and craft stores'	USA	USA	April	Online art and craft instruction video workshops
l e c o r i s t	BED BATH & BEYOND	USA	USA	April	Platform for making interior design
Yurmly [:]	Whirlpool	USA	USA	Мау	Online recipe recommendations and food delivery
TaskRabbi t	IKEA	USA	Sweden	September	Marketplace for freelancers willing to run errands
Plated.	Albertsons	USA	USA	September	Meal-subscription service
THE GROMMET Discover What's Next	The helpful place.	USA	USA	October	Online marketplace and product launch platform
SHIPT"		USA	USA	December	Internet-based grocery delivery service





Deal Spotlights: Pets Retail

Target	Acquirer	Target Country	Month	Description
PetFlow	PHILLIPS PET FOOD & SUPPLIES	USA	March	Online store that delivers pet products
chewy	PETSMART	USA	April	Online pet products marketplace
PetCoach	petco 🌋	USA	April	Mobile application that enables pet-owners take an advice from verified vets, trainers and other pet experts
PupBox	petco 🜋	USA	November	Subscription service that sells puppy toys and treats online
Pet Circle	FRANCISCO PARTNERS	Australia	November	Online retailer of pet food, medication, accessories, toys, and treats
Animail 😽	∰ Wusti⊧Mirri	Sweden	November	Internet retail for pet food and other pet supplies and accessories
VetZoo ^o	∰ Musti₃Mirri	Sweden	November	Online retailer of pet supplies



	2017 Mega Deals									
VIVIDS	VIVIDSEATS. Sold to CTCR									
	Target: Vivid Seats [USA] Aclara \$1.1B Acquirer: GTCR [USA] \$1.1B									
	Transaction Value: \$1.6B (estimated) IDERA HGGC \$1.1B aconex ORACLE \$1.2 - Online secondary ticketing marketplace to buy and sell tickets for IDERA HGGC \$1.1B ACTIVE \$1.2									
	Ive sports, concert and theater events CompuCom. Office \$1.0B Syncsort Centerbridge \$1.3B									
	Bankrate RED VENTURES \$1.3B	Advisory Baard Healthcare business		Barracuda THOMA BRAVO \$1.6B						
	BAMTECH WALTE STOR \$1.6B	Image: second	CAYAN TSYS° \$1.1B	Image: State Sta	^{® Hitachi Kokusai} KKR \$2.3B Electric Inc. WebMD binternet \$2.8B					
	 ● KMS ● GIC \$1.9B MOODY'S \$2.5B 	west APOLLO \$2.0B	Lexmark THOMA BRAVO \$1.4B	Image: state of the state	Paysafe Cupital Partices \$3.9B					
ARISTOCRAT \$1.0B	DigitalGlobe MMDA. \$2.4B	Novitex SourceHOV/Tax	The state of the s	gemalto THALES \$5.7B	Capital Partners \$55.5B					
CONSUMER	Chewy.com Petsmart \$3.4B	The Blackton Group' \$4.3B HR BPO assets IT SERVICES	worldpay vantiv. \$10.4B	Scavium 56.0B	Rockwell, United Sector					
\$2B	\$15B	\$18B	\$21B	\$27B	\$62B					



Internet Software Market

Deal Spotlights: Ticketing

Target	Acquirer	Target Country	Value	Description
ZeroHero	<i>ticketmaster</i> ®	USA	-	Web based ticketing platform with a la carte features
	Otix	USA	\$16M	Online ticketing solutions for events and venues
TICKET*BISCUIT	Otix	USA	-	Ticketing applications that enable online ticket sales in venues
interactiveticketing	Øtix	USA	-	Online ticketing services and POS ticketing systems
ticketscript	Eventbrite	USA	-	Online and mobile ticketing solutions
TICKETFLY	Eventbrite	USA	\$200M	Online tickets retailer
with the second	E Alibaba.com [®]	China	\$393M	Retails online tickets for concerts, theater and other events
	同里巴PP · 影业集団 Alibaba · Pictures	India	\$19M	Online ticketing platform for entertainment activities
	Jer SeatGeek	Israel	\$56M	Event ticketing SaaS for entertainment and sports





Internet Software Market

Deal Spotlights: Travel Booking

Target	Acquirer	Target Country	Acquirer Country	Value	Description
obnomom	Priceline Group	Denmark	USA	\$550M	Online travel booking services for airlines, cruises, hotel and car rentals
Travelopia	KKR	UK	USA	\$407M	Online travel services holding company
Go global travel	Apax PARTNERS	Israel	United Kingdom	\$64M	Search engine technologies and related services for hotel booking
νλγλητ	PRCS.	Bulgaria	USA	\$35M	Airfare pricing and shopping solutions
LINIGLIABE ATB	yatra	India	India	\$28M	Independent corporate travel services provider
weg.de	lastminute.com	Germany	United Kingdom	\$14M	Online travel package booking portal
\widehat{a} hotelscan	lastminute.com	Switzerland	United Kingdom	-	Meta-search engine for hotels and all types of accommodations
Tip.com	Ctrip	USA	China	-	Travel services including accommodation reservation, transportation ticketing etc.
Compare preços e baa viagem	K A Y A K	Brazil	USA	-	Search engine for tourist services
via	Евіх	India	USA	-	Online-offline travel portal
Ve -Travel	🍘 etraveli	Greece	Sweden	-	Online travel agency

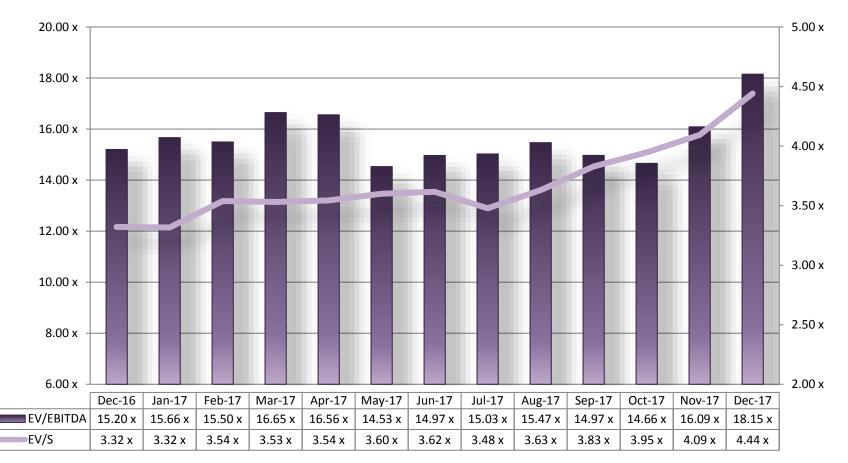




Public Valuation Multiples

EV/EBITDA

EV/S



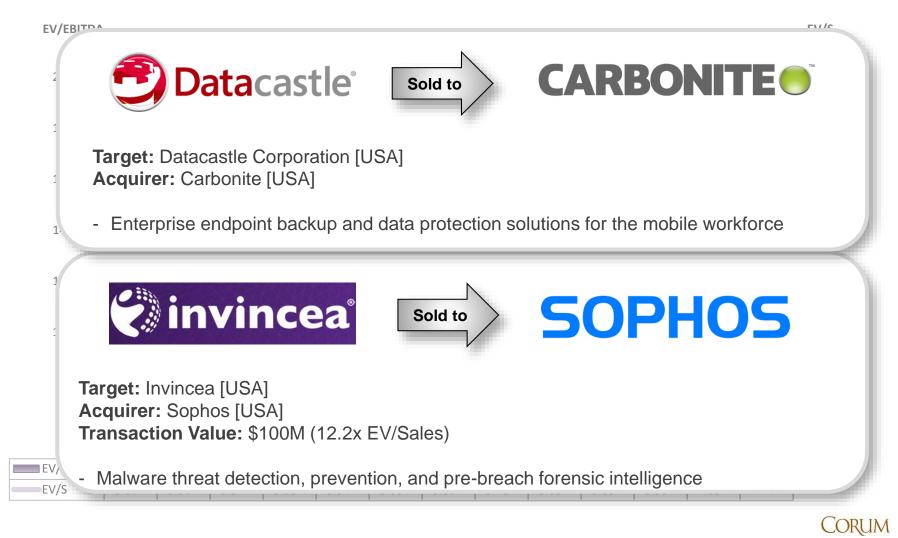
Dinfrastructure Software Market

Subsector		Sales	EBITDA		Examples	
Endpoint		4.09x	29.19	CITRIX	Opera	vm ware [®]
IT Services Management		4.51x	13.51x	technologies	Red hat.	service <mark>now</mark>
Network Management		3.44x	11.04x	ARISTA	cisco	
Security		4.56x	32.17x	Paloalto	SOFTWARE TECHNOLOGIES LTD.	FireEye
Storage & Hosting		3.01x	11.73x	box	Commvault" 🗊	NetApp
Other	—	5.23x	14.74x	A ATLASSIAN	Progress [*]	🔘 New Relic.

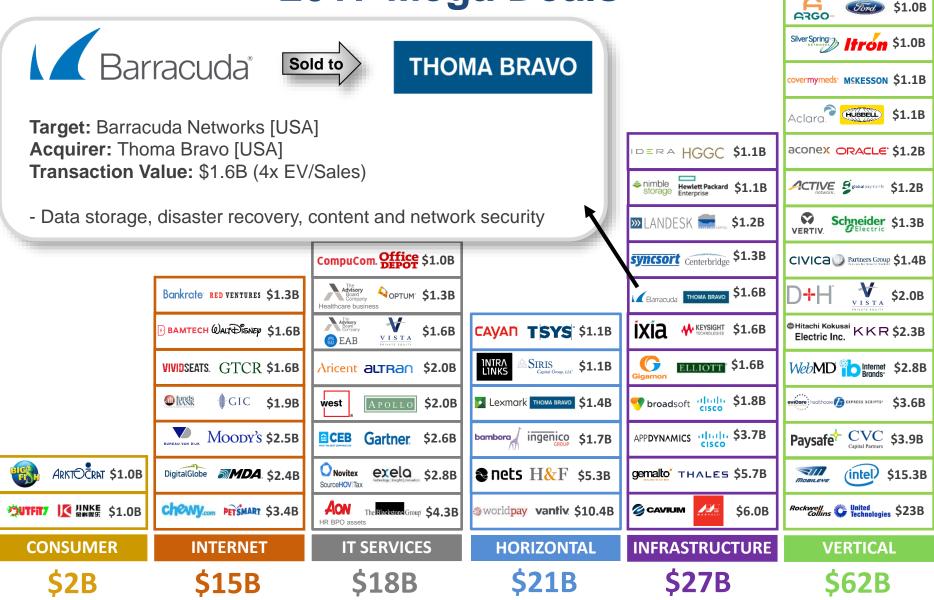




Deal Spotlights: Endpoint Security and Backup



2017 Mega Deals



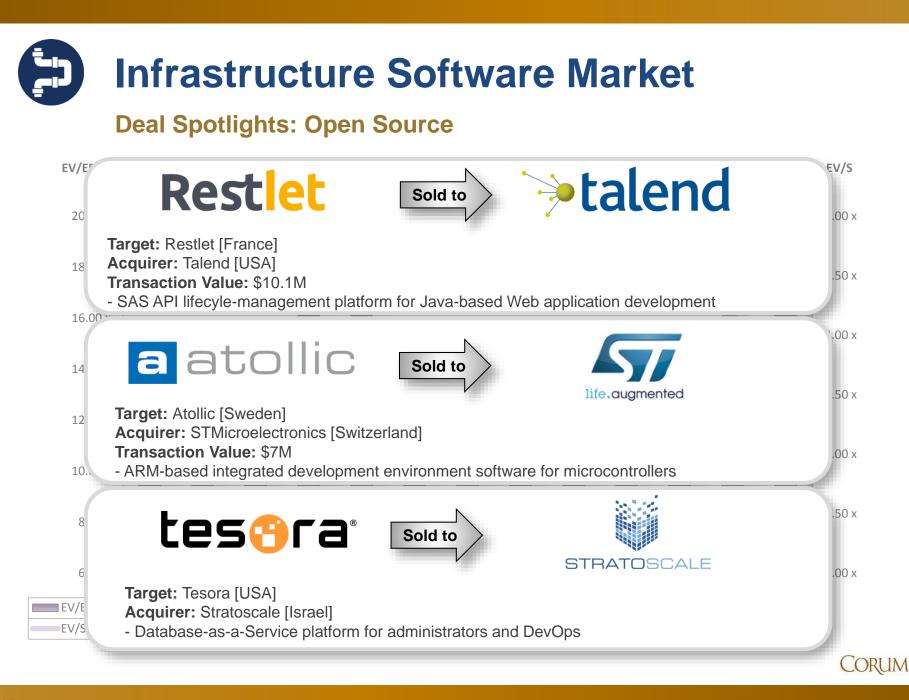


Deal Spotlights: Identity and Access Management

Target	Acquirer	Deal Value	Month	Description
gemalto security to be free	THALES	\$5.7B	December	Digital security products, including subscriber authentication and rights management solutions
SECUREAUTH	Enterprise Software Investors	\$200M	September	Multi-factor authentication and single sign-on solutions
😪 covisinť	opentext	\$103M	June	Cloud platform for building identity and IoT applications
c•njur	CYBERARK	\$42M	May	Automated machine identity provisioning software for identifying and authorize specific users and jobs
b BITIUM	Google	-	March	Cloud-based identity and access management solutions, single sign-on, password management and analytics
PROPENTUS	Cygate	-	November	Centralized identity and access right management software

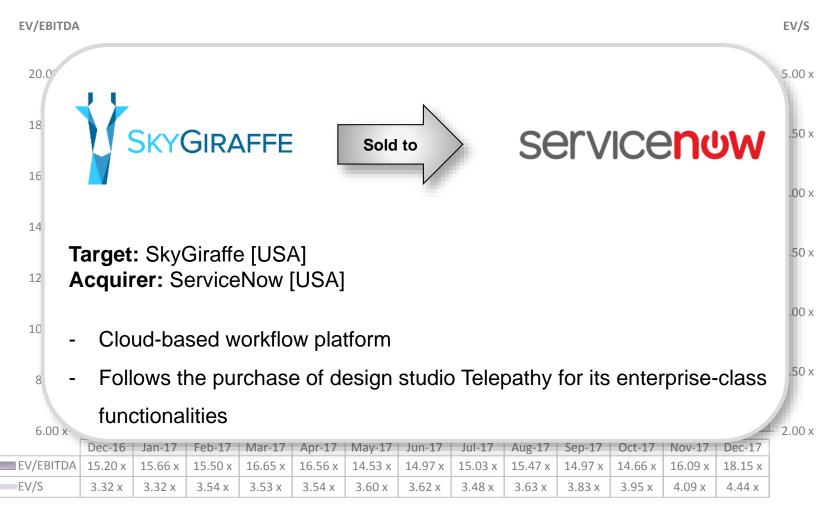








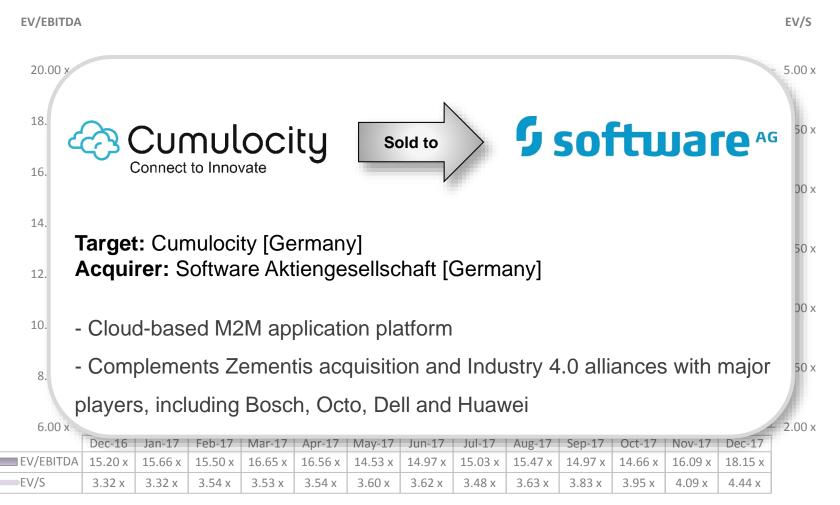
Deal Spotlight: Enterprise Mobility, Device Management







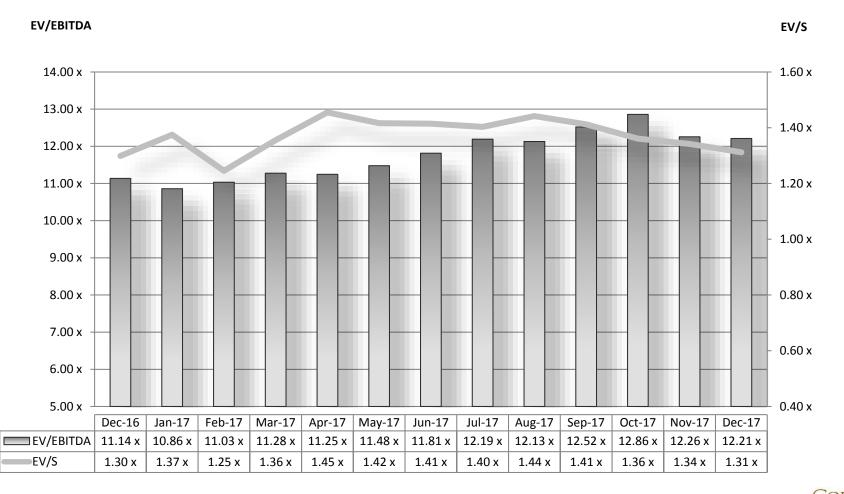
Deal Spotlight: Enterprise Mobility, Device Management







Public Valuation Multiple



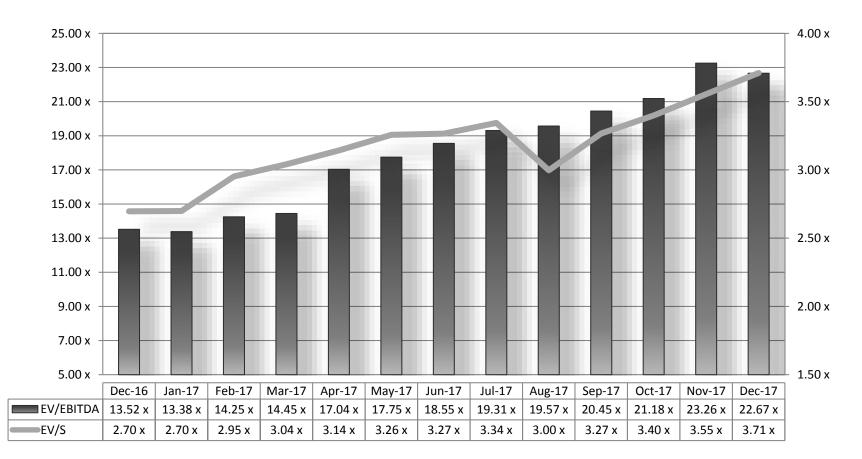
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Public Valuation Multiples

EV/EBITDA

EV/S





Subsector	Sales	EBITDA		Examples	
Developed	 1.31x	12.21x	accenture	Capgemini	
Emerging	3.71x	22.67x	Infosys	wipro	Tech Mahindra





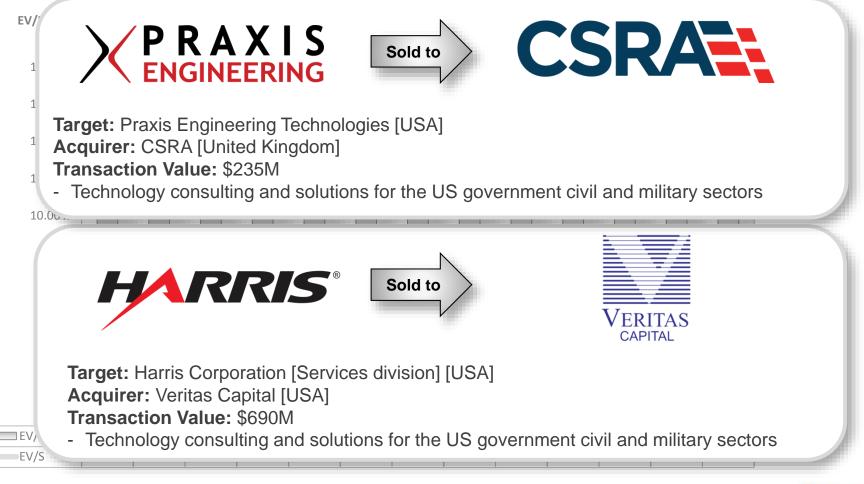
Deal Spotlights: LATAM outsourcing services

Target	Acquirer	Target Country	Value	Description
PayGroup	evertec	Chile	\$39M	Electronic transaction processing services
GMD®	Advent International	Peru	\$37M	BPO and IT outsourcing services with a focus on construction and traffic management
FULL SERVICE BPO	ATENTO	Brazil	\$14M	Outsourcing services, primarily credit origination
	accenture	Brazil	-	Internet software and applications development consulting services
One Link Team. Culture. Solutions.	One Equity Partners	El Salvador	-	Back office management services





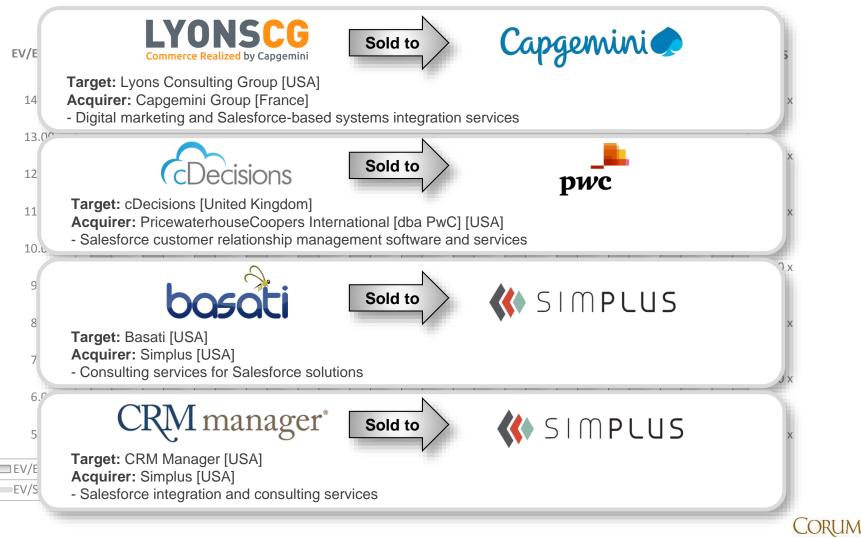
Deal Spotlights: Government SI





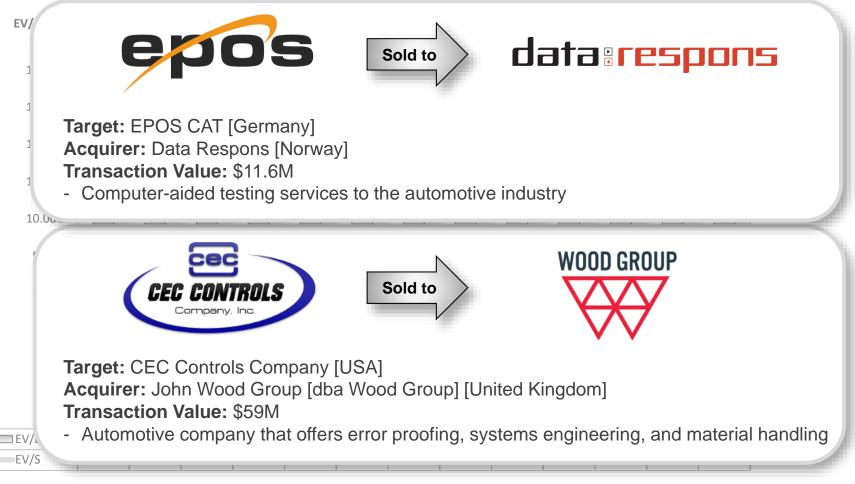


Deal Spotlights: CRM-based SI





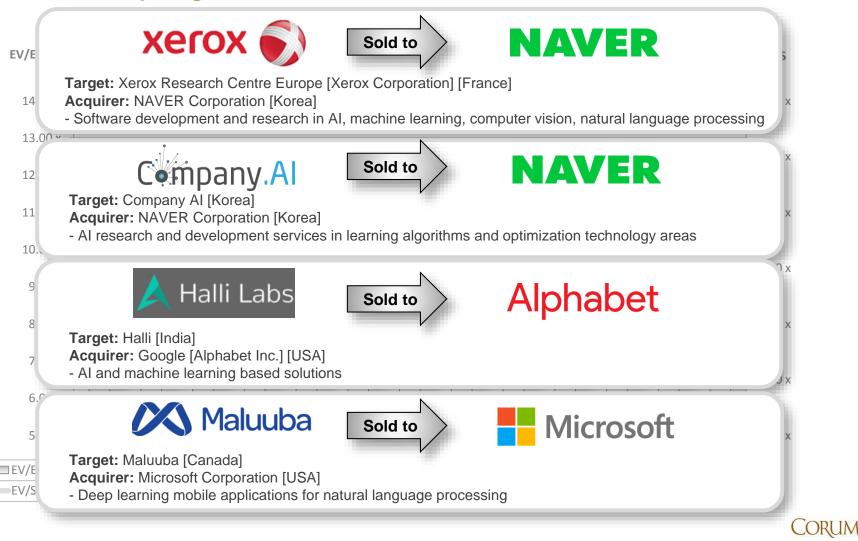
Deal Spotlights: Automotive SI





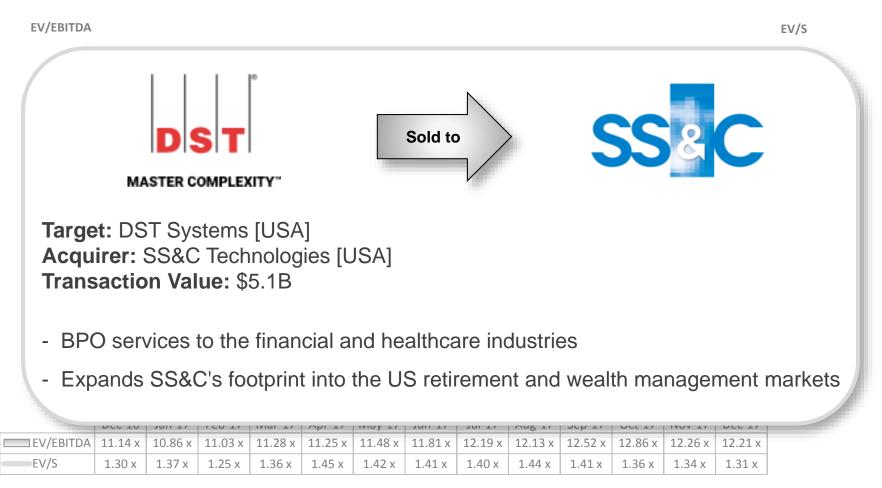


Deal Spotlights: AI Research Services





Deal Spotlight: BPO Services



Corum Research Report



Elon Gasper EVP, Research



Amanda Tallman Senior Analyst



Amber Stoner Director of Research



Patrick Cunningham Research Analyst



Yasmin Khodamoradi Director, Valuation Services



Becky Hill Research Analyst



Luminary Panel – The Year Ahead





Peter Coffee @petercoffee Salesforce



Ed Gardner

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Reese Jones @Reese_Jones Singularity University





Henry Hu @HenryMHu IBM

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Thoughts? Questions?

@CorumGroup





Peter Coffee Salesforce VP for Strategic Research



Peter Coffee is VP for Strategic Research at salesforce.com inc. He has been with the company for seven years, following nineteen years as a columnist and editor with the industry publications PC Tech Journal, PC Week and eWEEK. He works with IT managers and application developers to build a global community on the Salesforce1 cloud platform, combining the Force.com, Heroku1 and ExactTarget Fuel service portfolios. Peter holds an engineering degree from MIT and an MBA from Pepperdine University, with subsequent faculty appointments in IT management at Pepperdine; expert-systems programming at UCLA; and business analytics at Chapman College. He is the author of two books, "How To Program Java" and "Peter Coffee Teaches PCs". He is a winner of the Neal Award for excellence in business journalism and the McGan "Silver Antenna" Award for service to amateur radio. In recent years, Peter has worked with customers and partners throughout the Americas and in Australia, India and EU countries as well as lecturing at MIT, Harvard, Stanford, the CalTech/MIT Enterprise Forum and UCLA.



Ed Gardner Descartes Executive VP, Corp. Dev.

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Ed Gardner is the Executive Vice president of Corporate Development at Descartes Systems Group, Inc. He joined Descartes in 2003 where he first held a number of senior roles within our corporate finance organization. In his current role as Executive Vice President, Corporate Development, Mr. Gardner is responsible for the development and execution of our M&A strategy. Mr. Gardner's previous experience includes both practical logistics experience where he worked in a senior leadership position at a third party logistics provider (3PL) as well as deal execution and integration experience as part of Ernst & Young's Transaction Advisory Services practice in London, England.





Reese Jones Singularity University Associate Founder



Inventor, venture investor, and business strategist Reese Jones has engaged in over a dozen companies' start up, financing, development, IPO and acquisitions. They include Netopia, where he served as CEO until its acquisition by Motorola in 2006, after having founded it as Farallon Computing, then taken it public in 1996. Other notable technology endeavors in which he's applied his leadership include Convergence, Mediabolic, and Jobvite, as well as Venture Partnerships at Accel, August, and TelesoftVC. He is a Fellow in Innovation and Entrepreneurship at UC Berkeley, where as a grad student in the 1980s he started and ran BMUG, which became the largest nonprofit computer user group of its kind. Reese is an Associate Founder and active Trustee of Singularity University. His current interests include network theory, human/Internet interfaces, phones as synapses, and Internet evolution.





Henry Hu IBM Corporate Development Executive



Henry develops M&A strategies, evaluates acquisition opportunities, leads strategic projects to formulate new business models, international joint ventures, and innovation programs. He also leads the preparation of M&A forums for IBM senior executives. Prior to his current role, Henry was the CFO of IBM Systems Strategic Imperatives (e.g. Cloud and Analytics). His professional background spans IBM, A.T. Kearney and Ford Motor Company. In 2017 he became the CT/Westchester chapter co-President of Ascend, the largest non-profit organization for Asian Professionals in North America. Henry holds a B.S. in International Trade & Computer Science from Shanghai Jiao Tong University, an M.S. in Engineering Management from Stanford, and an Executive MBA from Columbia University.



Luminary Panel – The Year Ahead





Peter Coffee @petercoffee Salesforce



Ed Gardner Descartes

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Reese Jones @Reese_Jones Singularity University





Henry Hu @HenryMHu IBM

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Q&A

We welcome your questions!

- Use Q&A tab at the bottom of screen
- Submit to queue at any time



Upcoming Conference Schedule

Selling Up Selling Out (SUSO) - Ready to go to market? During this half-day workshop, learn to prepare, position, research, value, negotiate, and execute due diligence for maximum price and structure. This is the most attended Tech M&A event ever – participants have done over \$1 trillion in transaction value.

Merge Briefing (MB) - The Merge Briefing is a 90-minute executive briefing providing a current M&A market update (trends, valuations, etc.), as well as a brief overview of the Tech M&A process: "8 Steps To An Optimal Outcome."

Jan. 24: Portland – MB Feb. 15: Barcelona – MB Jan. 25: Sacramento – MB Feb. 22: San Francisco – Growth & Exit Strategies Jan. 31: Dublin – MB Feb. 28: Baltimore – MB Feb. 6: Columbus – SUSO Feb. 28: Victoria – MB Feb. 8: Private Equity Roundtable Mar. 1: Century City – MB Feb. 13: Paris – MB Mar. 1: Atlanta – MB Feb. 14: Amsterdam – MB Mar. 13: San Diego – MB Feb. 15: Seattle – MB

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After the Deal – Celebration





