

November 2018 M&A and Investment Summary

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Transaction Distribution

- A total of 669 deals were announced in November 2018, of which 351 were worth \$34.4 billion in aggregate reported value
- Software accounted for 40 percent of transactions with 265 deals announced 178 of which reported \$17.9 billion in value
- Software was also the most valuable segment, followed by Digital Media/Commerce, with 133 transactions announced 88 of which valued at \$8.4 billion
- Strategic buyers announced 288 deals (45 reported \$11 billion in value)
- VC/Growth Capital investors announced 352 transactions (300 reported \$11.9 billion in value)
- Private Equity investors announced 29 deals during the month (6 reported \$11.5 billion in value)

				Novembe	r 2018					
						В	UYER/INVES	FOR BREAKDOWN		
	Trans	actions	Reported	Value	Stra	ategic		Buyout	Venture/Growth Capita	
	#	%	\$MM	%	#	\$MM	#	\$MM	#	\$MM
Software	265	40%	\$17,872.7	52%	80	\$5,144.5	8	\$8,461.2	177	\$4,267.0
Digital Media/Commerce	133	20%	\$8,409.6	24%	44	\$1,284.9	3	\$1,300.0	86	\$5,824.7
Business Services	89	13%	\$4,486.4	13%	54	\$2,381.3	9	\$1,700.0	26	\$405.1
Marketing Technology	83	12%	\$1,281.0	4%	35	\$599.5	5	-	43	\$681.5
Agency & Marketing Services	42	6%	\$194.5	1%	41	\$199.5	0	-	1	-
Traditional Media	26	4%	\$1,475.4	4%	21	\$1,164.4	2	-	3	\$311.0
Digital Advertising	15	2%	\$321.5	1%	7	\$80.0	1	\$7.5	7	\$234.0
Information	15	2%	\$462.3	1%	5	\$245.0	1	-	9	\$217.3
Total	668	100%	34,503.4	100%	287	11,099.1	29	11,468.7	352	11,940.6

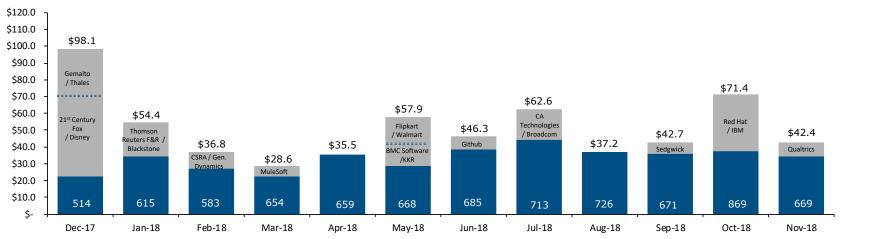
*Note, transactions valued at \$6 billion or more have been excluded from totals to limit comparative distortions. The aggregate total for November does not include SAP's pending \$8 billion acquisition of Qualtrics.



M&A and Investment Summary for All Segments

Transaction Distribution

- Strategic activity was up nearly twenty percent compared with the November of last year with 287 transactions announced
- Significant transactions reported during the month included:
 - The \$5.6 billion acquisition of medical industry software company athenahealth from Veritas Capital and Elliot Management
 - The \$1.9 billion acquisition of business management solutions company Apptio by Vista Equity Partners
 - CVC Capital's \$1.7 billion acquisition of IT and managed service provider ConvergeOne
 - Blackberry's \$1.4 billion acquisition of cybersecurity provider Cylance
 - Newell Brands' sale of yearbook and class ring retailer Jostens to Platinum Equity for \$1.3 billion



*Note, transactions valued at \$6 billion or more have been excluded from totals to limit comparative distortions. The aggregate total does not include Disney's pending \$69 billion acquisition of 21st Century Fox, Thales' \$6.6 billion acquisition of Gemalto, Blackstone's \$20 billion acquisition of Thomson Reuters' F&R business, General Dynamics' \$9.6 billion acquisition of CSRA, Salesforce's \$6.5 billion acquisition of MuleSoft, Walmart's \$16 billion majority investment in Flipkart, KKR's \$8.6 billion acquisition of BMC Software, Microsoft's \$7.5 billion TEV acquisition of GitHub, Broadcom's \$18.4 billion acquisition of CA Technologies, Carlyle Group's pending \$6.7 billion acquisition of Sedgwick Management Services, IBM's pending \$34 billion acquisition of Red Hat, and SAP's pending \$8 billion acquisition of Qualtrics

PetskyPrunier INVESTMENT BANKERS

Selected Transactions with Valuation Information Disclosed

(\$ in Millions)

	Scietica ii	ansactions With Multiples Information					
Target	Subsegment	Buyer/Investor	Ent. Value	TTM Rev	TTM EBITDA	EV/REV	EV/EBITDA
Agency & Marketing Services							
Flywheel Digital	Digital Agency	Ascential plc	60.0	24.0	5.0	2.5x	12.0
Business Services							
ConvergeOne, Inc.	IT Consulting/Systems Integration	CVC Capital Partners Ltd.	1,700.0	1,400.0	111.8	1.2x	15.2
Investment Technology Group, Inc.	Financial Consulting	Virtu Financial, Inc.	1,100.0	505.5	-	2.2x	NA
SharedLABS, Inc.	IT Consulting/Systems Integration	Glowpoint, Inc.	32.3	72.2	-	0.4x	NA
Digital Advertising							
						NA	NA
						NA	NA
Digital Media/Commerce							
Jostens, Inc.	eCommerce	Platinum Equity, LLC	1,300.0	768.0	-	1.7x	NA
Eclipx Group Limited	eCommerce	McMillan Shakespeare Limited	661.9	524.5	-	1.3x	NA
Marketing Technology							
Callcap	Teleservices /eServices	Marchex, Inc.	35.0	9.0	-	3.9x	NA
OrderDynamics	Product/Price Software	TECSYS, Inc.	13.4	7.0	-	1.9x	NA
DealerMine, Inc.	CRM	Quorum Information Technologies, Inc.	11.0	9.6	0.6	1.1x	18.3
Software							
athenahealth, Inc.	Healthcare Software	Veritas Capital	5,644.0	1,311.0	265.0	4.3x	21.3
Apptio, Inc.	Financial Software	Vista Equity Partners	1,867.2	224.7	(14.0)	8.3x	NM
Cylance, Inc.	Security Software	BlackBerry Ltd.	1,500.0	130.0	-	11.5x	NA
MatrixCare	Healthcare Software	Res Med Corporation	750.0	122.0	30.0	6.1x	25.0
Farelogix, Inc.	ERP Software	Sabre Corporation	360.0	40.0	-	9.0x	NA
Datawatch Corporation	Data Management Software	Altair Engineering, Inc.	178.5	40.3	-	4.4x	NA
Traditional Media							
Editis S.A.	Consumer Book Publishing	Vivendi S.A.	1,000.0	900.5	-	1.1x	NA



Securities in Registration Filings in 2018

(\$ in Millions)

				Aggregate	LTM	
Date	Company Name	Country	Segment	Offering Value	Rev	EBITDA
Nov-18	Mogu, Inc	China	Digital Media/Commerce	\$ 70.0	NA	NA
Oct-18	360 Finance Inc	China	Software	200.0	NA	NA
Oct-18	Caliburn International Corp	United States	Business Services	100.0	NA	NA
Oct-18	Tencent Music Entertainment Group	China	Traditional Media	1,000.0	2,167.0	441.7
Sep-18	Valtech SE	United Kingdom	Agency & Marketing Services	100.0	298.0	21.0
Jul-18	Pintec Technology Holdings Limited	China	Software	70.0	784.5	10.3
May-18	Advantage Solutions Inc.	United States	Agency & Marketing Services	100.0	2,150.4	405.1
Apr-18	HeadHunter Group PLC	Russia	Software	250.0	75.7	31.6

LTM IPO Performance

					Initial Offering	Final Price	Stock Price at Close	Stock Price on	% Change from
Date	Ticker	PPLLC Segment	Company Name	Country	Price Range	Per Share	on 1st Trading Day	Nov 30, 2018	1st Trading Day
Nov-18	WEI	Software	Weidai Ltd.	China	\$9.00-\$11.00	10.50	\$10.25, down 2.4%	10.00	(4.8%)
Oct-18	STNE	Software	StoneCo Ltd.	Brazil	21.00-23.00	24.00	\$31.35, up 30.6%	23.57	(24.8%)
Oct-18	SWI	Software	SolarWinds Corporation	United States	15.00-16.00	15.00	15.03, up 0.0%	15.91	5.9%
Oct-18	PLAN	Software	Anaplan, Inc.	United States	13.00-15.00	17.00	24.30, up 42.9%	28.00	15.2%
Oct-18	ESTC	Marketing Technology	Elastic N.V.	United States	33.00-35.00	36.00	70.00, up 94.4%	71.45	2.1%
Oct-18	UPWK	Digital Media/Commerce	Upwork Inc.	United States	12.00-14.00	15.00	21.18, up 41.2%	18.63	(12.0%)
Sep-18	СТК	Digital Media/Commerce	CooTek (Cayman) Inc.	China	12.00-14.00	12.00	9.44, down 21.3%	7.00	(25.8%)
Sep-18	EB	Marketing Technology	Eventbrite, Inc.	United States	19.00-21.00	23.00	36.5, up 58.7%	29.71	(18.6%)
Sep-18	FTCH	Digital Media/Commerce	Farfetch Limited	United Kingdom	17.00-19.00	20.00	28.45, up 42.3%	22.75	(20.0%)
Sep-18	NYSE: LAIX	Digital Media/Commerce	LAIX Inc.	China	11.50-13.50	12.50	12.65, up 1.2%	8.99	(28.9%)
Sep-18	Qtt	Digital Media/Commerce	Qutoutiao Inc.	China	7.00-9.00	7.00	15.97, up 128.1%	4.49	(71.9%)
Sep-18	SVMK	Marketing Technology	SVMK Inc.	United States	9.00-11.00	12.00	17.24, up 43.7%	14.28	(17.2%)
Jul-18	JG	Software	Aurora Mobile Limited	China	8.50-10.50	8.50	\$8.80, up 3.5%	6.15	(30.1%)
Jul-18	CANG	Digital Media/Commerce	Cango Inc.	China	10.00-12.00	11.00	12.52, up 13.8%	8.75	(30.1%)
Jul-18	DAVA	Business Services	Endava plc	United Kingdom	17.00-19.00	20.00	25.2, up 26.0%	24.70	(2.0%)
Jul-18	OPRA	Digital Media/Commerce	Opera Limited	Norway	10.00-12.00	12.00	13.11, up 9.3%	6.90	(47.4%)
Jul-18	PDD	Digital Media/Commerce	Pinduoduo Inc.	China	16.00-19.00	19.00	26.70, up 40.5%	22.96	(14.0%)
Jul-18	TENB	Software	Tenable Holdings, Inc.	United States	20.00-22.00	23.00	30.25, up 31.5%	28.48	(5.9%)
Jun-18	NYSE:AVLR	Software	Avalara, Inc.	United States	21.00-23.00	24.00	44.94, up 87.3%	31.99	(28.8%)
Jun-18	NasdaqGM:DOMO	Software	Domo, Inc.	United States	19.00-22.00	21.00	27.30, up 30.0%	15.96	(41.5%)
Jun-18	NasdaqGM:EVER	Digital Advertising	EverQuote, Inc.	United States	15.00-17.00	18.00	18.02, up 0.1%	6.17	(65.8%)
Jun-18	NasdaqGS:IIIV	Software	i3 Verticals, Inc.	United States	11.00-13.00	13.00	18.35, up 41.2%	22.53	22.8%
Jun-18	NasdaqGS:UXIN	Digital Media/Commerce	Uxin Limited	China	10.50-12.50	9.00	9.67, up 7.4%	3.29	(66.0%)
May-18	NasdaqGS:GSKY	Software	GreenSky, Inc.	United States	21.00-23.00	23.00	25.36, up 10.3%	9.31	(63.3%)
May-18	NasdaqGM:EVOP	Software	EVO Payments, Inc.	United States	14.00-16.00	16.00	19.02, up 18.9%	26.19	37.7%
May-18	NYSE:HUYA	Digital Media/Commerce	HUYA Inc.	China	10.00-12.00	12.00	16.06, up 33.8%	17.27	7.5%
May-18	NasdaqGS:PS	Software	Pluralsight, Inc.	United States	12.00-14.00	15.00	20.00, up 33.3%	24.09	20.5%
May-18	NasdaqGS:CBLK	Software	Carbon Black, Inc.	United States	15.00-17.00	19.00	23.94, up 26.0%	16.29	(32.0%)
Apr-18	NYSE:CDAY	Software	Ceridian HCM Holding Inc.	United States	19.00-21.00	22.00	28.90, up 31.4%	40.12	38.8%
Apr-18	NasdaqGS:DOCU	Software	DocuSign, Inc.	United States	26.00-28.00	29.00	39.73, up 37.0%	41.76	5.1%
Apr-18	NYSE:PVTL	Software	Pivotal Software, Inc.	United States	14.00-16.00	15.00	15.73, up 4.9%	17.91	13.9%
Apr-18	NYSE:SMAR	Software	Smartsheet Inc.	United States	12.00-14.00	15.00	19.55, up 30.3%	26.90	37.6%
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LTM IPO Performance

					Initial Offering	Final Price	Stock Price at Close	Stock Price on	% Change from
Date	Ticker	PPLLC Segment	Company Name	Country	Price Range	Per Share	on 1st Trading Day	Nov 30, 2018	1st Trading Day
Apr-18	NYSE:ZUO	Marketing Technology	Zuora, Inc.	United States	11.00-13.00	14.00	20.00, up 42.8%	19.03	(4.9%)
Mar-18	NasdaqGS:BILI	Digital Media/Commerce	Bilibili Inc.	China	10.50-12.50	11.50	11.24, down 2.2%	15.61	38.9%
Mar-18	NasdaqGS:DBX	Software	Dropbox, Inc.	United States	18.00-20.00	21.00	28.48, up 35.6%	23.39	(17.9%)
Mar-18	NasdaqGS:IQ	Digital Media/Commerce	iQIYI, Inc.	China	17.00-19.00	18.00	15.55, down 13.6%	20.31	30.6%
Mar-18	NasdaqGS:ZS	Software	Zscaler, Inc.	United States	13.00-15.00	16.00	33.00, up 106.3%	39.26	19.0%
Feb-18	NasdaqGM:CDLX	Software	Cardlytics, Inc.	United States	13.00-15.00	13.00	13.37, up 2.8%	14.38	7.6%
Jan-18	NYSE:PAGS	Software	PagSeguro Digital Ltd.	Brazil	17.50-20.50	21.50	29.20, up 35.8%	24.00	(17.8%)
Dec-17	NasdagGM:ICLK	Digital Advertising	iClick Interactive Asia Group Limited	Hong Kong	8.00-9.00	8.00	9.00, up 12.0%	3.68	(59.1%)



Digital Media/Commerce

- Of the 133 transactions recorded in the Digital Media/Commerce segment in November 88 announced \$8.4 billion in reported value
- E-commerce was the most active subsegment across all subsegments with 67 transactions announced, of which 50 were reported for \$7.4 billion, including:
 - The \$600 million round of funding China-based NetEase Cloud music received from Baidu and General Atlantic
 - Koch Equity Development's \$500 million investment in Getty Images
 - Instacart's \$271 million round of funding from Tiger Global Management and Coatue Management
- Select Digital Media/Commerce transactions include:
 - The \$250 million round of funding Grab raised from Kia and Hundai
 - The \$154.2 million round of funding real estate listing site Nested raised from Northzone, Balderton Capital, and private investors
 - Microsoft's acquisition of videogame development studios inXile and Obsidian Entertainment
 - IAC Search & Media's sale of Dictionary.com and Thesaurus.com to Rock Holdings

	DIGITAL MEDIA/COMMERCE TRAN	SACTIONS BY SEGME	BUYER/INVESTOR BREAKDOWN								
	Transactio	ons	Reported	Value	S	trategic		Buyout	Venture/Growth Capital		
	#	%	\$MM	%	#	\$MM	#	\$MM	#	\$MM	
e-commerce	67	50%	\$7,411.8	88%	19	\$1,133.4	2	\$1,300.0	46	\$4,978.4	
Digital Marketplace	17	13%	331.5	4%	6	103.4	0	-	11	228.1	
Gaming	17	13%	54.2	1%	8	43.1	1	-	8	81.2	
Mobile Content/Apps	15	11%	124.3	1%	2	-	0	-	13	478.6	
Social Media/Apps	9	7%	9.2	0%	2	-	0	-	7	54.2	
Niche Content	e Content 8 6%		478.6	6%	7	5.0	0	-	1	4.2	
Total	133	100%	8,409.6	100%	44	1,284.9	3	1,300.0	86	5,824.7	



Digital Media Public Company Valuation (1/2)

(\$ in Millions, except stock price	data)									
US-Based Digital Media and Inter	rnet									
	Stock Price	Chg % From	Equity	Ent.	LTM		LTM Margin	LTM	LTM Multiples	
Company Name	11/30/18	52WK High	Value	Value	Revenue	EBITDA	EBITDA	Rev Growth	EV/Rev	EV/EBITDA
Alphabet Inc.	\$1,109.65	-14%	\$ 766,402.7	\$ 663,972.7	\$ 129,866.0	\$ 39,334.0	30.3%	24.2%	5.1x	16.9>
Apple Inc.	178.58	-24%	847,433.2	895,615.2	265,595.0	81,801.0	30.8%	15.9%	3.4x	10.9>
Facebook, Inc.	140.61	-36%	404,083.3	362,947.3	51,896.0	28,388.0	54.7%	42.2%	7.0x	12.8>
Fitbit, Inc.	5.51	-29%	1,369.4	746.1	1,511.5	(127.9)	NM	-6.6%	0.5x	NM
Glu Mobile Inc.	7.41	-12%	1,061.5	977.1	351.1	(27.8)	NM	38.8%	2.8x	NM
GoPro, Inc.	5.08	-42%	714.2	702.6	1,105.8	(115.4)	NM	-20.2%	0.6x	NM
IAC/InterActiveCorp	177.96	-20%	14,862.1	15,778.0	4,109.4	714.0	17.4%	29.7%	3.8x	22.1>
j2 Global, Inc.	73.81	-19%	3,638.0	4,345.0	1,177.6	426.8	36.2%	11.8%	3.7x	10.2>
Leaf Group Ltd.	8.15	-32%	191.6	158.8	149.3	(13.6)	NM	21.1%	1.1x	NM
The Meet Group, Inc.	4.03	-28%	298.0	316.5	166.3	22.3	13.4%	47.3%	1.9x	14.2>
Netflix, Inc.	286.13	-32%	124,777.0	130,046.1	14,893.3	1,713.8	11.5%	36.8%	8.7x	75.9>
Pandora Media, Inc.	8.69	-14%	2,344.3	2,725.2	1,517.0	(252.5)	NM	3.6%	1.8x	NM
RealNetworks, Inc.	2.58	-39%	97.2	58.0	71.8	(18.1)	NM	37.3%	0.8x	NM
Remark Holdings, Inc.	1.32	-91%	48.4	75.3	75.4	(30.4)	NM	12.6%	1.0x	NM
Roku, Inc.	40.75	-47%	4,448.5	4,268.7	655.0	(2.7)	NM	38.8%	6.5x	NM
Snap Inc.	6.51	-69%	8,429.9	7,015.5	1,076.3	(1,273.8)	NM	52.7%	6.5x	NM
TheStreet, Inc.	1.51	-40%	74.9	34.1	60.8	1.5	2.4%	7.3%	0.6x	22.9
Twitter, Inc.	31.45	-34%	23,862.69	20,613.97	2,865.08	674.01	23.5%	18.0%	7.2x	30.6
Upwork Inc.	18.63	-21%	1,980.4	2,168.7	240.8	(9.4)	NM	0.0%	9.0x	NIV
XO Group Inc.	34.50	-4%	869.0	745.9	164.7	23.3	14.1%	2.1%	4.5x	32.1
Zynga Inc.	3.62	-21%	3,120.0	2,699.7	891.8	69.2	7.8%	8.9%	3.0x	39.0
Average									3.7x	22.9

*Note: Alphabet Inc. pricing represents (Nasdaq:GOOGL)



Internationally-based Digital Media an	id Internet											
		Stock Price	Chg % From	Equity		Ent.	LTM		LTM Margin	LTM	LTM I	Multiples
Company Name	Headquarters	11/30/18	52WK High	Value	1	Value	Revenue	EBITDA	EBITDA	Rev Growth	EV/Rev	EV/EBITDA
Baidu, Inc.	China	\$188.28	-34%	\$ 65,627.0	\$	59,499.8	\$ 14,418.2	\$ 4,949.1	34.3%	22.8%	4.1x	12.0x
Bilibili Inc.	* China	15.61	-31%	4,347.1		3,860.1	539.7	(23.9)	NM	89.9%	7.2x	NM
CyberAgent, Inc.	Japan	45.28	-26%	5,697.5		5,355.2	3,696.6	343.1	9.3%	13.0%	1.4x	15.6x
DeNA Co., Ltd.	Japan	18.55	-18%	2,696.4		1,828.6	1,183.3	332.8	28.1%	-4.5%	1.5x	5.5x
G5 Entertainment AB (publ)	Sweden	17.38	-73%	156.2		145.5	164.9	16.9	10.2%	52.2%	0.9x	8.6x
Gree, Inc.	Japan	4.37	-36%	1,029.9		285.2	656.2	84.2	12.8%	3.3%	0.4x	3.4x
HolidayCheck Group AG	* Germany	3.30	-26%	187.9		154.7	163.1	7.4	4.5%	17.7%	0.9x	21.0x
HUYA Inc.	* China	17.27	-66%	3,519.6		2,664.5	567.7	3.7	0.7%	118.7%	4.7x	NM
International Game Technology PLC	United Kingdom	17.21	-44%	3,514.3		11,084.3	4,910.8	1,496.9	30.5%	-0.1%	2.3x	7.4x
iQIYI, Inc.	China	20.31	-56%	14,697.7		13,512.9	3,316.3	1,111.2	33.5%	44.9%	4.1x	12.2x
mixi, Inc.	Japan	23.57	-52%	1,844.0		541.1	1,470.5	573.7	39.0%	-21.9%	0.4x	0.9x
Meitu, Inc.	* China	0.42	-75%	1,734.0		1,167.5	664.7	(59.0)	NM	38.7%	1.8x	NM
Ncsoft Corporation	South Korea	456.97	0%	9,710.8		8,551.3	1,665.5	587.9	35.3%	22.4%	5.1x	14.5x
NAVER Corporation	South Korea	112.90	-35%	16,504.7		14,699.8	4,807.4	1,111.6	23.1%	18.6%	3.1x	13.2x
NetEase, Inc.	* China	227.07	-40%	29,820.8		26,046.2	9,014.5	1,274.8	14.1%	20.0%	2.9x	20.4x
NEXON Co., Ltd.	Japan	11.82	-33%	10,568.7		6,632.1	2,293.8	1,099.2	47.9%	15.4%	2.9x	6.0x
Opera Limited	Norway	6.90	-56%	759.4		546.8	162.8	43.6	26.8%	0.0%	3.4x	12.5x
Pacific Online Limited	China	0.13	-27%	146.0		95.0	147.6	19.3	13.1%	3.0%	0.6x	4.9x
Phoenix New Media Limited	* China	3.55	-52%	258.1		135.3	209.3	(8.7)	NM	-5.8%	0.6x	NM
Renren Inc.	* China	1.60	-91%	110.4		218.3	436.7	(111.4)	NM	435.9%	0.5x	NM
Sea Limited	* Singapore	13.34	-22%	4,469.3		4,379.5	668.3	(809.1)	NM	76.8%	6.6x	NM
Sogou Inc.	China	6.21	-60%	2,402.3		1,325.8	1,104.2	103.9	9.4%	37.6%	1.2x	12.8x
Spotify Technology S.A.	* Luxembourg	136.38	-31%	24,704.5		22,757.2	5,708.1	(227.7)	NM	0.0%	4.0x	NM
Weibo Corporation	* China	63.68	-55%	14,181.9		13,468.4	1,614.1	598.4	37.1%	63.8%	8.3x	22.5x
Wemade Entertainment Co.,Ltd.	South Korea	23.16	-58%	384.5		257.3	104.6	17.7	16.9%	9.7%	2.5x	14.5x
Yandex N.V.	* Netherlands	29.50	-34%	9,569.7		8,904.5	1,781.9	434.3	24.4%	32.1%	5.0x	20.5x
YY Inc.	China	68.07	-52%	4,321.0		2,624.7	2,147.2	430.6	20.1%	41.1%	1.2x	6.1x



E-commerce Public Company Valuation (1/2)

(\$ in Millions, except stock price data)

US-based eCommerce										
	Stock Price	Chg % From	Equity	Ent.	LTM		LTM Margin	LTM		Vultiples
Company Name	11/30/18	52WK High	Value	Value	Revenue	EBITDA	EBITDA	Rev Growth	EV/Rev	EV/EBITDA
1-800-FLOWERS.COM, Inc.	\$12.51	-17%	\$ 802.9	\$ 876.3	\$ 1,164.1	\$ 71.1	6.1%	-1.8%	0.8x	12.3x
Alphabet Inc.	1,109.65	-14%	766,402.7	663,972.7	129,866.0	39,334.0	30.3%	24.2%	5.1x	16.9x
Amazon.com, Inc.	1,690.17	-18%	826,440.1	843,894.1	220,957.0	24,905.0	11.3%	37.1%	3.8x	33.9x
Apple Inc.	178.58	-24%	847,433.2	895,615.2	265,595.0	81,801.0	30.8%	15.9%	3.4x	10.9x
Blucora, Inc.	30.96	-25%	1,485.2	1,679.3	557.0	105.4	18.9%	11.7%	3.0x	15.9x
Blue Apron Holdings, Inc.	1.17	-74%	226.7	259.6	714.5	(89.5)	NM	-21.4%	0.4x	NM
Booking Holdings Inc.	1,891.88	-15%	87,650.0	89,228.1	14,117.5	5,627.5	39.9%	15.5%	6.3x	15.9x
CarGurus, Inc.	38.91	-32%	4,283.1	4,135.5	418.7	13.9	3.3%	45.9%	9.9x	NM
Carvana Co.	43.29	-40%	1,681.8	2,260.2	1,635.7	(172.1)	NM	133.5%	1.4x	NM
CDW Corporation	92.68	-1%	13,900.6	17,272.5	16,276.4	1,229.3	7.6%	11.7%	1.1x	14.1x
Chegg, Inc.	27.95	-15%	3,211.4	3,031.6	298.9	13.2	4.4%	22.2%	10.1x	NM
Copart, Inc.	51.18	-24%	11,976.9	12,056.2	1,847.9	724.6	39.2%	21.5%	6.5x	16.6x
GrubHub Inc.	78.29	-48%	7,101.0	7,086.1	924.6	187.4	20.3%	50.2%	7.7x	37.8x
eBay Inc.	29.85	-36%	28,740.4	33,150.4	10,216.0	2,985.0	29.2%	6.3%	3.2x	11.1x
Etsy, Inc.	54.04	-3%	6,509.7	6,205.4	539.9	85.9	15.9%	30.1%	11.5x	72.3x
EVINE Live Inc.	0.60	-66%	39.8	85.4	631.7	5.8	0.9%	-2.2%	0.1x	14.7x
Expedia Group, Inc.	120.79	-14%	17,994.6	19,903.6	10,982.8	1,282.8	11.7%	11.7%	1.8x	15.5x
FTD Companies, Inc.	2.12	-76%	59.8	292.6	1,044.8	26.5	2.5%	-3.8%	0.3x	11.1x
GrubHub Inc.	78.29	-48%	7,101.0	7,086.1	924.6	187.4	20.3%	50.2%	7.7x	37.8x
IAC/InterActiveCorp	177.96	-20%	14,862.1	15,778.0	4,109.4	714.0	17.4%	29.7%	3.8x	22.1x
Liberty TripAdvisor Holdings, Inc.	19.03	-8%	1,427.4	4,609.4	1,590.0	273.0	17.2%	0.2%	2.9x	16.9x
Liquidity Services, Inc.	6.48	-19%	208.2	114.7	233.2	(19.5)	NM	-18.8%	0.5x	NM
Match Group, Inc.	40.27	-34%	11,198.5	12,061.5	1,651.4	564.2	34.2%	32.5%	7.3x	21.4x
Overstock.com, Inc.	19.56	-78%	628.8	538.1	1,825.3	(171.1)	NM	0.6%	0.3x	NM
PetMed Express, Inc.	24.09	-58%	493.3	406.2	286.2	56.6	19.8%	9.1%	1.4x	7.2x
Qurate Retail, Inc.	\$22.22	-11%	10,005.7	16,951.7	13,038.0	1,844.0	14.1%	27.5%	1.3x	9.2x
Shutterfly, Inc.	49.99	-50%	1,679.9	2,692.2	1,605.6	174.6	10.9%	38.7%	1.7x	15.4x
Shutterstock, Inc.	38.21	-31%	1,338.8	1,132.4	613.0	47.7	7.8%	14.5%	1.8x	23.7x
Spark Networks SE	9.86	-36%	128.1	132.6	112.6	(3.1)	NM	20.7%	1.2x	NM
Stamps.com Inc.	171.46	-40%	3,103.77	3,106.54	549.17	218.52	39.8%	24.2%	5.7x	14.2x
Stitch Fix, Inc.	27.33	-48%	2,716.8	2,419.3	1,226.5	53.6	4.4%	25.5%	2.0x	45.2x
U.S. Auto Parts Network, Inc.	1.23	-55%	43.0	44.0	293.3	8.2	2.8%	-4.1%	0.2x	5.4x
Wayfair Inc.	106.20	-30%	9,594.5	9,606.5	6,204.2	(334.1)	NM	45.4%	1.5x	NM
Average									3.4x	16.0x



(\$ in Millions, except stock price data)

Internationally-based eCommerce

		Stock Price	Chg % From	E	quity	Ent.	Ľ	тм		LTM Margi	n	LTM	LTM Multiples	
Company Name	Headquarters	11/30/18	52WK High	v	alue	Value	Rev	enue	EBITDA	EBITDA		Rev Growth	EV/Rev	EV/EBITDA
58.com Inc.	China	\$59.59	-34%	\$	8,827.6	\$ 8,337.0	\$ 1	1,789.7	\$ 400.5	22.4%		30.8%	4.7x	20.8x
Alibaba Group Holding Limited	* China	160.86	-24%	4	13,720.7	418,156.0	45	5,280.6	12,184.2	26.9%		57.8%	9.2x	34.3x
Cango Inc.	China	8.75	-37%		1,322.6	873.8		157.5	38.8	24.6%		11.5%	5.5x	22.5x
Cnova N.V.	* France	4.85	-4%		1,672.9	1,976.8	2	2,619.8	11.2	0.4%		21.8%	0.8x	NM
Despegar.com, Corp.	Argentina	14.94	-59%		1,033.3	707.1		542.1	70.8	13.1%		10.4%	1.3x	10.0x
Farfetch Limited	* United Kingdom	22.75	-30%		6,662.5	5,619.0		526.2	(170.6)	NM		0.0%	10.7x	NM
JD.com, Inc.	* China	21.23	-58%		30,715.2	30,201.4	63	3,671.4	140.2	0.2%		31.9%	0.5x	NM
Jumei International Holding Limited	* China	2.10	-48%		315.2	(94.5)		769.8	(10.7)	NM		-14.4%	NM	8.9x
LightInTheBox Holding Co., Ltd.	* China	0.76	-78%		51.5	10.7		294.2	(22.7)	NM		-5.3%	0.0x	NM
MercadoLibre, Inc.	* Argentina	351.97	-16%		15,910.1	15,510.8	1	1,551.3	(2.7)	NM		39.2%	10.0x	NM
Netshoes (Cayman) Limited	* Brazil	1.29	-87%		40.1	104.0		466.7	(46.2)	NM		1.6%	0.2x	NM
PChome Online Inc.	* Taiwan	4.78	-23%		559.9	390.2	1	1,068.6	(66.7)	NM		17.6%	0.4x	NM
Pinduoduo Inc.	* China	22.96	-25%		25,434.8	22,163.3	1	1,258.6	(1,189.1)	NM		0.0%	17.6x	NM
Rakuten, Inc.	Japan	8.05	-21%		10,877.2	13,591.1	9	9,325.7	1,658.6	17.8%		17.7%	1.5x	8.2x
Secoo Holding Limited	China	10.00	-35%		505.6	509.7		667.2	20.6	3.1%		51.9%	0.8x	24.7x
Travelport Worldwide Limited	United Kingdom	15.28	-25%		1,931.9	4,000.9	2	2,536.0	415.4	16.4%		4.8%	1.6x	9.6x
trivago N.V.	* Germany	6.17	-39%		2,164.7	1,996.5	1	1,080.0	(50.6)	NM		-9.1%	1.8x	NM
Uxin Limited	* China	3.29	-69%		962.0	1,131.1		414.8	(395.4)	NM		78.2%	2.7x	NM
Vipshop Holdings Limited	China	5.77	-70%		3,825.3	3,731.7	12	2,020.9	494.0	4.1%		21.9%	0.3x	7.6x
X Financial	China	7.00	-66%		1,057.3	844.6		496.0	226.9	45.8%		0.0%	1.7x	3.7x
Average													3.3x	14.3x

Digital Advertising

- A total of 15 transactions were announced in the Digital Advertising segment, of which eight were valued at \$322 million
- The Mobile Marketing and Comparison Shopping segments accounted for nearly 60 percent of reported segment transactions during the month
- Select transactions:
 - ConversationPoint's \$80 million acquisition of publishing and ad serving marketplace Inuvo
 - The acquisition of device graph company Qualia by IDify
 - Criteo's acquisition of app install advertising solution Manage
 - The acquisition of security industry-focused mobile marketing company JUICE Mobile by Curate Mobile
 - Wesfarmers Limited's acquisition of Australia-based mobile advertising solution Unlockd

	DIGITAL ADVERTISING TRANSAC	TIONS BY SEGMENT	BUYER/INVESTOR BREAKDOWN							
		Transactions	Repo	Reported Value		strategic		Buyout	Venture/Growth Capital	
	#	%	\$MM	%	#	\$MM	#	\$MM	#	\$MM
Mobile Marketing	4	27%	-	0%	4	-	0	-	0	-
Comparison Shopping	4	27%	36.7	11%	2	-	0	-	2	36.7
Vertical Search	3	20%	195.3	61%	0	-	0	-	3	195.3
Ad Networks/Exchanges	2	13%	87.5	27%	1	80.0	1	7.5	0	-
Affiliate/CPA Network	1	7%	-	0%	0	-	0	-	1	-
Local Search	1	1 7%		1%	0	-	0	-	1	2.0
Total	15	100%	321.5	100%	7	80.0	1	7.5	7	234.0



Digital Advertising Public Company Valuation (1/2)

(\$ in Millions, except stock price data)

US-based Digital Advertising										
	Stock Price	Chg % From	Equity	Ent.	LTM		LTM Margin	LTM	LTM	Multiples
Company Name	11/30/18	52WK High	Value	Value	Revenue	EBITDA	EBITDA	Rev Growth	EV/Rev	EV/EBITDA
Alliance Data Systems Corporation	\$200.36	-28%	\$ 10,914.3	\$ 31,941.0	\$ 7,841.5	\$ 1,785.8	22.8%	5.4%	4.1x	17.9x
Alphabet Inc.	1,109.65	-14%	766,402.7	663,972.7	129,866.0	39,334.0	30.3%	24.2%	5.1x	16.9x
ANGI Homeservices Inc. *	17.53	-27%	8,692.3	8,672.2	1,076.5	72.1	6.7%	69.0%	8.1x	120.2x
AutoWeb, Inc.	2.00	-80%	25.9	10.8	126.7	(10.2)	NM	-15.1%	0.1x	NM
Care.com, Inc.	17.92	-22%	569.8	502.4	186.7	13.2	7.1%	7.7%	2.7x	38.1x
DHI Group, Inc.	1.77	-46%	93.6	105.6	174.5	23.6	13.6%	-17.7%	0.6x	4.5x
EverQuote, Inc.	6.17	-72%	154.4	115.7	155.9	(6.6)	NM	0.0%	0.7x	NM
Facebook, Inc.	140.61	-36%	404,083.3	362,947.3	51,896.0	28,388.0	54.7%	42.2%	7.0x	12.8x
Fluent, Inc.	3.54	-49%	266.5	308.9	244.6	20.3	8.3%	16.8%	1.3x	15.2x
Groupon, Inc.	3.07	-48%	1,752.3	1,412.8	2,710.0	141.2	5.2%	-5.8%	0.5x	10.0x
Inuvo, Inc.	1.13	-27%	36.7	37.6	80.1	(1.9)	NM	6.1%	0.5x	NM
LendingTree, Inc.	260.34	-36%	3,339.6	3,322.7	723.1	91.8	12.7%	29.7%	4.6x	36.2x
QuinStreet, Inc.	16.14	-9%	795.5	725.0	429.8	24.5	5.7%	37.0%	1.7x	29.6x
Quotient Technology Inc.	12.29	-23%	1,169.9	994.4	373.0	18.9	5.1%	22.5%	2.7x	52.5x
Redfin Corporation	16.96	-46%	1,518.4	1,187.2	458.5	(25.8)	NM	34.4%	2.6x	NM
RhythmOne plc	2.30	-40%	180.7	192.5	255.1	5.8	2.3%	71.2%	0.8x	33.0x
Snap Inc.	6.51	-69%	8,429.9	7,015.5	1,076.3	(1,273.8)	NM	52.7%	6.5x	NM
Telaria, Inc.	3.00	-43%	142.7	72.1	50.5	(12.3)	NM	29.0%	1.4x	NM
The Rubicon Project, Inc.	4.45	-9%	224.8	128.0	114.7	(53.2)	NM	-41.7%	1.1x	NM
The Trade Desk, Inc. *	142.45	-12%	6,159.8	5,993.5	419.5	95.5	22.8%	50.9%	14.3x	62.7x
TiVo Corporation	9.90	-45%	1,226.36	1,904.58	741.64	170.76	23.0%	-14.2%	2.6x	11.2x
Travelzoo	9.02	-57%	109.2	93.3	111.3	8.1	7.3%	4.6%	0.8x	11.6x
TripAdvisor, Inc.	64.06	-7%	8,818.9	8,155.9	1,590.0	216.0	13.6%	2.5%	5.1x	37.8x
TrueCar, Inc.	10.41	-28%	1,082.7	887.9	345.6	(19.6)	NM	10.0%	2.6x	NM
Twitter, Inc.	31.45	-34%	23,862.7	20,614.0	2,865.1	674.0	23.5%	18.0%	7.2x	30.6x
Yelp Inc.	33.67	-36%	2,797.4	1,959.9	914.4	42.8	4.7%	10.7%	2.1x	45.8x
Yext, Inc.	14.52	NA	1,463.2	1,356.2	213.0	(75.1)	NM	34.9%	6.4x	NM
Zillow Group, Inc. *	36.23	-45%	7,408.1	6,480.1	1,250.5	64.0	5.1%	22.4%	5.2x	101.2x
Average									3.0x	21.9x



Digital Advertising Public Company Valuation (2/2)

(\$ in Millions, except stock price data)

Internationally-based Digital Advertising

		Stock Price	Chg % From	Equity		Ent.	LTM		LTM Margin	LTM	LTM Multiples	
Company Name	Headquarters	11/30/18	52WK High	Value		Value	Revenue	 EBITDA	EBITDA	Rev Growth	EV/Rev	EV/EBITDA
Cliq Digital AG	Germany	\$2.82	-75%	\$ 17	.4	\$ 27.1	\$ 77.2	\$ 5.3	6.9%	-4.1%	0.4x	5.1x
Criteo S.A.	France	23.30	-36%	1,569	.5	1,135.5	2,304.2	250.4	10.9%	5.2%	0.5x	4.5x
iClick Interactive Asia Group Limited	Hong Kong	3.68	-68%	198	.0	188.7	160.3	(21.4)	NM	44.5%	1.2x	NM
MakeMyTrip Limited	India	24.99	-40%	2,548	.5	2,217.2	571.3	(156.8)	NM	-2.9%	3.9x	NM
Matomy Media Group Ltd.	Israel	0.08	-93%	7	.4	32.5	177.3	10.2	5.8%	-39.5%	0.2x	3.2x
Metaps Inc.	* Japan	18.92	-41%	255	.4	223.3	190.7	2.5	1.3%	55.8%	1.2x	91.0x
Pacific Online Limited	China	0.13	-27%	146	.0	95.0	147.6	19.3	13.1%	3.0%	0.6x	4.9x
Perion Network Ltd.	Israel	2.67	-34%	69	.0	67.8	258.2	20.7	8.0%	-8.2%	0.3x	3.3x
Rightmove plc	* United Kingdom	5.59	-19%	4,982	.2	4,963.7	336.3	251.4	74.7%	10.0%	14.8x	19.7x
Septeni Holdings Co., Ltd.	Japan	1.90	-54%	240	.5	109.5	134.6	10.9	8.1%	3.9%	0.8x	10.1x
Taptica International Ltd	Israel	3.89	-41%	265	.0	224.2	289.3	38.2	13.2%	107.0%	0.8x	5.9x
Tencent Holdings Limited	China	39.88	-35%	377,040.4	16	385,445.77	42,829.27	16,048.42	37.5%	36.7%	9.0x	24.0x
TradeDoubler AB (publ)	Sweden	0.35	-42%	15.	57	23.04	130.28	1.65	1.3%	-5.4%	0.2x	14.0x
XLMedia PLC	Jersey	1.04	-64%	229	.5	189.5	128.8	39.4	30.6%	7.0%	1.5x	4.8x
Yandex N.V.	Netherlands	29.50	-34%	9,569	.7	8,904.5	1,781.9	434.3	24.4%	32.1%	5.0x	20.5x
Average											2.3x	10.6x



Marketing Technology

- The Marketing Technology segment announced 83 transactions in November, of which 39 reported more than \$1.3 billion in value
- The 10 transactions in the CRM subsegment is up more than 20 percent from the average monthly activity levels of the past 12 months
- Select transactions:
 - The acquisition of the imaging unit of Nuance Communications for \$400 million by Kofax
 - The \$120 million round of funding received by hospitality and travel-focused digital marketing data solution Sojern from Technology Crossover Ventures
 - The acquisition of audio advertising market platform Jelli from iHeartMedia
 - The acquisition of retail-focused chat technology Welcome Commerce from Salsify

MARK	ETING TECHNOLC	GY TRANSACTIONS BY	SEGMENT				BUYER/INVE	STOR BREAKDOWN		
	Tran	sactions	Reported	Value	St	rategic	E	Buyout	Venture/G	rowth Capital
	#	%	\$MM	%	#	\$MM	#	\$MM	#	\$MM
CRM	10	12%	20.5	2%	7	11.0	0	-	3	9.5
Analytics & Targeting	9	11%	142.6	11%	5	-	0	-	4	142.6
MRM/Workflow Management	9	11%	37.0	3%	1	-	1	-	7	37.0
Commerce Management	7	8%	222.1	17%	2	-	0	-	5	222.1
Email/Messaging Software	7	8%	80.3	6%	3	-	0	-	4	\$80.3
Product/Price Software	6	7%	20.9	2%	4	13.4	0	-	2	7.5
Content Management	5	6%	33.0	3%	0	-	2	-	3	33.0
Other	30	36%	724.6	57%	13	575.1	2	-	15	147.4
Total	83	100%	1,281.0	100%	35	599.5	5	0.0	43	681.5



Marketing Technology Public Company Valuation (1/2)

(\$ in Millions, except stock price data)										
US-based Marketing Technology										
	Stock Price	Chg % From	Equity	Ent.	LTM		LTM Margin	LTM	LTM	Multiples
Company Name	11/30/18	52WK High	Value	Value	Revenue	EBITDA	EBITDA	Rev Growth	EV/Rev	EV/EBITDA
Adobe Inc.	\$250.89	-10%	\$ 122,467.82	\$ 119,408.32	\$ 8,571.98	\$ 3,090.17	36.0%	24.2%	13.9x	38.6x
Alteryx, Inc.	60.18	-11%	3,694.0	3,536.9	182.4	(12.4)	NM	54.6%	19.4x	NM
AppFolio, Inc.	61.29	-33%	2,099.2	2,053.6	177.6	24.3	13.7%	32.6%	11.6x	84.5x
Blackbaud, Inc.	73.25	-39%	3,466.4	3,866.3	844.6	137.0	16.2%	9.8%	4.6x	28.2x
Brightcove Inc.	7.18	-33%	262.0	235.3	164.1	(7.0)	NM	6.2%	1.4x	NM
Cardlytics, Inc.	14.38	-49%	307.9	306.9	142.1	(29.1)	NM	11.5%	2.2x	NM
ChannelAdvisor Corporation	10.75	-31%	293.6	246.1	130.5	(2.2)	NM	8.6%	1.9x	NM
Cision Ltd.	12.52	-32%	1,661.6	2,796.9	713.0	223.1	31.3%	16.7%	3.9x	12.5x
Eventbrite, Inc.	29.71	-26%	2,317.0	1,910.1	278.4	(12.6)	NM	0.0%	6.9x	NM
eBay Inc.	29.85	-36%	28,740.4	33,150.4	10,216.0	2,985.0	29.2%	6.3%	3.2x	11.1x
Elastic N.V.	71.45	-7%	5,040.3	5,188.7	184.9	(50.5)	NM	0.0%	28.1x	NM
Endurance International Group	8.30	-24%	1,194.0	2,937.9	1,157.1	319.9	27.6%	-1.5%	2.5x	9.2x
Five9, Inc.	42.88	-13%	2,520.1	2,447.3	240.7	10.8	4.5%	27.4%	10.2x	226.0x
GoDaddy Inc.	65.26	-23%	10,912.9	12,653.9	2,566.5	384.2	15.0%	21.3%	4.9x	32.9x
HubSpot, Inc.	139.03	-14%	5,454.5	5,206.7	475.5	(37.2)	NM	37.6%	11.0x	NM
IBM Corporation	124.27	-27%	112,935.8	145,651.8	80,373.0	16,954.0	21.1%	2.6%	1.8x	8.6x
LivePerson, Inc.	18.87	-31%	1,196.7	1,130.3	241.5	4.6	1.9%	11.0%	4.7x	248.0x
Marin Software Incorporated	2.83	-76%	16.4	5.1	60.5	(25.1)	NM	-24.6%	0.1x	NM
MicroStrategy Incorporated	129.64	-14%	1,486.6	787.5	502.8	24.5	4.9%	-0.9%	1.6x	32.2x
MINDBODY, Inc.	27.76	-39%	1,330.2	1,254.6	228.9	(19.0)	NM	33.8%	5.5x	NM
Nuance Communications, Inc.	15.99	-15%	4,598.4	6,332.2	2,051.7	362.9	17.7%	5.8%	3.1x	17.4x
Oracle Corporation	48.76	-9%	184,734.0	183,436.0	39,920.0	16,155.0	40.5%	4.4%	4.6x	11.4x
PayPal Holdings, Inc.	85.81	-8%	101,115.0	93,528.0	14,969.0	2,699.0	18.0%	21.4%	6.2x	34.7x
PROS Holdings, Inc.	32.17	-22%	1,195.1	1,135.3	190.8	(39.8)	NM	17.5%	6.0x	NM
PTC Inc.	86.49	-19%	10,264.2	10,621.7	1,241.8	134.8	10.9%	6.7%	8.6x	78.8x
salesforce.com, inc.	142.76	-11%	109,211.4	110,152.4	12,484.0	1,175.7	9.4%	25.2%	8.8x	93.7x
SendGrid, Inc.	45.61	-4%	2,160.0	1,995.9	137.2	6.6	4.8%	32.9%	14.6x	NM
SharpSpring, Inc.	12.56	-16%	107.9	105.0	17.3	(7.7)	NM	37.8%	6.1x	NM
SVMK Inc.	14.28	-29%	1,786.1	1,938.2	243.4	(86.1)	NM	0.0%	8.0x	NM
Square, Inc.	69.84	-31%	28,878.7	28,731.9	2,981.7	(0.5)	NM	45.4%	9.6x	NM
Tableau Software, Inc.	124.64	-1%	10,415.9	9,459.1	1,068.4	(91.7)	NM	21.6%	8.9x	NM
Teradata Corporation	37.63	-15%	4,447.9	4,176.9	2,202.0	154.0	7.0%	2.1%	1.9x	27.1x
Verint Systems Inc.	45.43	-13%	2,948.7	3,353.1	1,195.0	142.6	11.9%	9.6%	2.8x	23.5x
Veritone, Inc.	5.91	-79%	114.2	49.5	19.6	(54.3)	NM	46.1%	2.5x	NM
Webis Holdings plc	0.03	-72%	11.8	(0.6)	54.5	0.2	0.3%	-5.2%	NM	NM
Zendesk, Inc.	59.43	-18%	6,361.5	6,362.8	548.7	(106.4)	NM	38.3%	11.6x	NM

Adjusted Weighted Average

6.5x

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22.5x

Marketing Technology Public Company Valuation (2/2)

(\$ in Millions, except stock price data)

Internationally-based Marketing Techno	ology											
		Stock Price	Chg % From	Equity	Ent.		LTM		LTM Margin	LTM	LTM	Multiples
Company Name	Headquarters	11/30/18	52WK High	Value	Value	F	levenue	EBITDA	EBITDA	Rev Growth	EV/Rev	EV/EBITDA
Baozun Inc.	China	35.27	-48%	\$ 2,013.16	\$ 1,995.72	\$	692.46	\$ 52.89	7.6%	23.4%	2.9x	37.7x
Bitauto Holdings Limited	China	18.46	-53%	1,318.5	5,272.3		1,477.7	30.9	2.1%	29.6%	3.6x	170.6x
ChinaCache International Holdings Ltd.	China	1.48	-69%	39.43	89.83		130.12	(31.96)	NM	-7.8%	0.7x	NM
MercadoLibre, Inc.	Argentina	351.97	-16%	15,910.1	15,510.8		1,551.3	(2.7)	NM	39.2%	10.0x	NM
Open Text Corporation	Canada	34.31	-15%	9,212.7	11,045.1		2,841.7	829.6	29.2%	16.5%	3.9x	13.3x
SharpSpring, Inc.	United States	12.56	-16%	107.9	105.0		17.3	(7.7)	NM	37.8%	6.1x	NM
Shopify Inc.	Canada	152.66	-14%	16,345.4	14,767.2		952.2	(66.4)	NM	63.9%	15.5x	NM
The Sage Group plc	United Kingdom	7.42	-30%	8,053.0	8,881.4		2,408.2	645.8	26.8%	7.6%	3.7x	13.8x
United Internet AG	Germany	44.98	-34%	9,010.2	11,376.8		5,825.4	962.9	16.5%	25.7%	2.0x	11.8x
Weborama SA	France	8.49	-50%	28.9	32.4		43.8	2.5	5.7%	13.3%	0.7x	12.9x
Wix.com Ltd.	Israel	94.18	-22%	4,553.6	4,171.9		558.1	(25.7)	NM	42.6%	7.5x	NM
Adjusted Weighted Average											3.7x	17.9x



Agency & Marketing Services

- With 42 transactions, activity in the Agency & Marketing Services segment in November was flat compared with the average monthly activity levels of the past twelve months. Seven of these transactions reported value of \$195 million
- Digital Agency was the most active subsegment and accounted for over half of segment activity with 24 deals announced
- Select transactions:
 - Quad/Graphics' pending \$132.5 million acquisition of independent creative agency Periscope (a Petsky Prunier-led transaction)
 - The acquisition of industrial printing and software company ColorGATE Digital Output solutions by Ricoh
 - PDI's acquisition of retail loyalty company Outsite
 - BlueFocus' acquisition of creative agency Eleven
 - The acquisition of Germany-based creative marketing company Kolle Rebbe by Accenture

AGEN	CY & MARKETING SE	RVICES TRANSACTIONS	BY SEGMENT				BUYER/INVE	STOR BREAKDOWN		
	Tran	sactions	Reported	Value	St	rategic	I	Buyout	Venture/G	rowth Capital
	#	%	\$MM	%	#	\$MM	#	\$MM	#	\$MM
Digital Agency	24	57%	\$60.0	31%	23	\$60.0	0	-	1	-
Experiential Marketing	4	10%	-	0%	4	-	0	-	0	-
Public Relations	3	7%	-	0%	3	-	0	-	0	-
Design Agency	2	5%	2.0	1%	2	2.0	0	-	0	-
General Agency	2	5%	132.5	68%	2	137.5	0	-	0	-
Marketing Consulting	2	5%	-	0%	2	-	0	-	0	-
Promotion Agency	2	5%	-	0%	2	-	0	-	0	-
Ad Specialty/Premiums	1	2%	-	0%	1	-	0	-	0	-
Other	2	5%	0	0%	2	0.0	0	0.0	0	0.0
Total	42	100%	194.5	100%	41	199.5	0	0.0	1	0.0





Agency Public Company Valuation

		Stock Price	Chg % From	Equity	Ent.			LTM		LTM Margin	LTM	LTM I	Multiples
Company Name	Headquarters	11/30/18	52WK High	Value	Value	Reve	enue	EE	BITDA	EBITDA	Rev Growth	EV/Rev	EV/EBITDA
Cello Health plc	United Kingdom	\$1.26	-30%	\$ 131.6	\$ 138.6	\$	223.2	\$	16.5	7.4%	3.7%	0.6x	8.4x
Dentsu Inc.	Japan	44.57	-11%	12,564.7	10,870.5	8	8,784.1	1,	,562.8	17.8%	NM	1.2x	7.0x
Enero Group Limited	Australia	0.88	-7%	73.9	50.8		148.1		10.9	7.4%	10.7%	0.3x	4.6x
Hakuhodo DY Holdings Inc	Japan	15.31	-15%	5,711.2	5,506.9	12	2,225.9		665.1	5.4%	7.3%	0.5x	8.3x
Huntsworth plc	United Kingdom	1.35	-26%	467.2	517.7		270.4		38.0	14.0%	9.1%	1.9x	13.6x
M&C Saatchi plc	United Kingdom	4.02	-27%	349.4	351.6		456.3		30.1	6.6%	40.5%	0.8x	11.7x
MDC Partners Inc.	United States	2.64	-78%	151.8	1,328.3	1	,485.3		172.6	11.6%	-1.1%	0.9x	7.7x
Next Fifteen Communications Group plc	United Kingdom	6.51	-17%	542.1	572.7		283.6		47.2	16.7%	8.7%	2.0x	12.1x
Omnicom Group Inc.	United States	76.97	-8%	17,249.4	20,888.1	15	5,380.0	2,	,352.0	15.3%	0.3%	1.4x	8.9x
OPT Holding, Inc.	Japan	18.65	-40%	427.0	385.5		761.3		23.8	3.1%	11.2%	0.5x	16.2x
Publicis Groupe S.A.	France	59.28	-17%	13,673.1	17,170.6	10),843.5	1,	,996.3	18.4%	-8.0%	1.6x	8.6x
The Interpublic Group of Companies, Inc.	United States	23.50	-10%	9,032.3	10,708.2	8	8,157.9	1,	,190.7	14.6%	7.2%	1.3x	9.0x
UDG Healthcare plc	* Ireland	8.54	-30%	2,125.2	2,185.2	1	,315.2		80.6	6.1%	7.8%	1.7x	27.1x
WPP plc	United Kingdom	11.05	-41%	13,786.0	20,227.4	19	9,934.7	3,	,035.7	15.2%	-2.5%	1.0x	6.7x
Adjusted Weighted Average												1.2x	8.2x



Marketing Services Public Company Valuation

		Stock Price	Chg % From	Equity	Ent.	L	TM	LTM Margin	LTM	LTM	Multiples
Company Name	Headquarters	11/30/18	52WK High	Value	Value	Revenue	EBITDA	EBITDA	Rev Growth	EV/Rev	EV/EBITDA
Affinion Group Holdings, Inc.	United States	14.00	-4%	128.2	2,016.4	949.4	220.3	23.2%	21.5%	2.1x	9.2x
Aimia Inc.	Canada	2.65	-23%	402.9	358.2	1,287.5	150.7	11.7%	30.6%	0.3x	2.4x
Alliance Data Systems Corporation	United States	200.36	-28%	10,914.3	27,811.0	7,841.5	1,785.8	22.8%	5.4%	3.5x	15.6x
Fluent, Inc.	United States	3.54	-49%	266.5	308.9	244.6	20.3	8.3%	16.8%	1.3x	15.2x
CSG Systems International, Inc.	United States	35.07	-28%	1,168.9	1,330.2	833.0	154.8	18.6%	6.9%	1.6x	8.6x
Deluxe Corporation	United States	50.35	-36%	2,331.5	3,164.6	1,968.2	471.5	24.0%	0.9%	1.6x	6.7x
Fair Isaac Corporation	* United States	198.63	-18%	5,751.3	6,425.3	1,032.5	234.2	22.7%	10.8%	6.2x	27.4x
Harte Hanks, Inc.	United States	3.25	-73%	20.3	19.7	314.3	(8.8)	NM	-20.3%	0.1x	NM
High Co. SA	France	4.81	-29%	99.9	44.4	190.0	18.6	9.8%	8.0%	0.2x	2.4x
Multiplus S.A.	Brazil	6.44	-32%	1,043.3	691.1	535.2	94.4	17.6%	88.8%	1.3x	7.3x
Pitney Bowes Inc.	United States	8.44	-43%	1,583.5	4,038.4	3,918.3	652.8	16.7%	26.6%	1.0x	6.2x
Points International Ltd.	Canada	10.73	-41%	152.2	98.2	368.1	12.5	3.4%	7.5%	0.3x	7.8×
Viad Corp	United States	50.35	-19%	1,024.1	1,189.7	1,276.6	124.4	9.7%	-0.7%	0.9x	9.6)
Adjusted Weighted Average										2.6x	12.1



Traditional Media

- Of the 26 transactions recorded in the Traditional Media segment in November, six announced \$1.5 billion in reported value
- Entertainment Media continues to drive overall segment activity with 11 deals announced throughout the month
- Select transactions from the segment included:
 - Vivendi's pending \$1 billion purchase of France-based publishing company Editis from Planeta
 - The \$150 million acquisition of Fortune Magazine by private investor Chatchaval Jiaravanon from Meredith
 - The acquisition of furniture industry print publication Progressive Business Media from BridgeTower Media
 - Stirling Corp's acquisition of digital book publisher Paradise Publishers
 - The acquisition of SnowGlobe Music Festival by MTV

TRA	DTIONAL MEDIA	TRANSACTIONS BY SE	GMENT				BUYER/INVE	STOR BREAKDOWN		
	Tran	sactions	Reported	Value	S	trategic	E	Buyout	Venture/G	rowth Capital
	#	%	\$MM	%	#	\$MM	#	\$MM	#	\$MM
Entertainment Media	11	42%	\$3.3	0%	9	-	1	-	1	\$3.3
B-to-B Media	4	15%	-	0%	3	-	1	-	0	-
Consumer Book Publishing	4	15%	1,000.0	68%	4	1,000.0	0	-	0	-
Consumer Magazine Publishing	3	12%	150.0	10%	3	150.0	0	-	0	-
Digital Place-Based Media	2	8%	307.7	21%	0	-	0	-	2	307.7
Newspaper Publishing	1	4%	-	0%	1	-	0	-	0	-
Other	1	4%	14.4	1%	1	14.4	0	0.0	0	0.0
Total	26	100%	1,475.4	100%	21	1,164.4	2	0.0	3	311.0



(\$ in Millions, except stock price data)

Large Cap Diversified Media											
		Stock Price	Chg % From	Equity	Ent.	LTM		LTM Margin	LTM	LTM Multiples	
Company Name	Headquarters	11/30/18	52WK High	Value	Value	 Revenue	EBITDA	EBITDA	Rev Growth	EV/Rev	EV/EBITDA
CBS Corporation	United States	\$54.18	-12%	\$ 20,270.9	\$ 29,941.9	\$ 14,411.0	\$ 3,138.0	21.8%	8.4%	2.1x	9.5x
Discovery, Inc.	United States	30.72	-12%	20,828.1	39,856.1	9,608.0	3,216.6	33.5%	43.8%	4.1x	12.4x
Twenty-First Century Fox, Inc.	* United States	49.47	-1%	91,439.9	105,384.9	30,575.0	6,995.0	22.9%	5.4%	3.4x	15.1x
Viacom Inc.	United States	30.86	-13%	12,590.7	21,419.7	12,943.0	3,008.0	23.2%	-2.4%	1.7x	7.1x
The Walt Disney Company	United States	115.49	-4%	171,926.6	193,832.6	59,434.0	17,848.0	30.0%	7.8%	3.3x	10.9x
Adjusted Weighted Average										3.2x	10.7x

*Calculation is market cap weighted and excludes revenue multiples that are 2.0 standard deviations above the mean (5.0x) and EBITDA multiples that are 1.0 standard deviations above the mean (14.0x)

(\$ in Millions, except stock price data)

		Stock Price	Chg % From	Eq	quity	Ent.		LTM		LTM Margin	LTM	LTM Multiples	
Company Name	Headquarters	11/30/18	52WK High		alue	Value	R	evenue	 EBITDA	EBITDA	Rev Growth	EV/Rev	EV/EBITDA
Ascential plc	United Kingdom	\$4.84	-19%	\$	1,936.2	\$ 2,300.1	\$	527.3	\$ 138.9	26.4%	38.5%	4.4x	16.6x
Centaur Media Plc	United Kingdom	\$0.57	-20%		82.7	80.4		92.8	6.9	7.4%	16.2%	0.9x	11.7x
Emerald Expositions Events, Inc.	United States	\$11.70	-49%		856.5	1,373.9		355.2	162.1	45.6%	4.3%	3.9x	8.5x
Euromoney Institutional Investor PLC	United Kingdom	\$16.31	-13%		1,751.9	1,652.0		509.1	142.5	28.0%	0.9%	3.2x	11.6x
Informa plc	United Kingdom	8.82	-21%	1	11,036.5	14,559.1		2,374.3	749.2	31.6%	11.6%	6.1x	19.4x
MCH Group AG	Switzerland	25.22	-63%		151.5	312.5		540.6	58.0	10.7%	34.4%	0.6x	5.4x
ITE Group plc	* United Kingdom	0.81	-66%		596.0	692.2		222.3	29.5	13.3%	12.8%	3.1x	23.5x
Tarsus Group plc	Ireland	3.42	-20%		418.0	545.5		149.8	50.2	33.5%	39.8%	3.6x	10.9x
TechTarget, Inc.	United States	14.39	-58%		402.9	395.3		119.8	22.3	18.6%	14.2%	3.3x	17.8x
Adjusted Weighted Average												5.2x	17.3x

*Calculation is market cap weighted and excludes revenue multiples that are 2.0 standard deviations above the mean (6.6x) and EBITDA multiples that are 1.0 standard deviations above the mean (19.7x)

(\$ in Millions, except stock price data)

Radio Broadcasting												
		Stock Price	Chg % From	Equity	Ent.		LTM		LTM Margin	LTM	LTM	Multiples
Company Name	Headquarters	11/30/18	52WK High	Value	Value		Revenue	EBITDA	EBITDA	Rev Growth	EV/Rev	EV/EBITDA
Beasley Broadcast Group, Inc.	United States	\$5.14	-64%	\$ 141.3	\$ 37	5.2	\$ 240.4	\$ 40.	5 16.9%	5.8%	1.6x	9.2x
Emmis Communications Corporation	United States	3.78	-35%	48.8	15	8.0	125.5	11.	7 9.3%	-31.3%	1.3x	13.5x
Entercom Communications Corp.	United States	6.53	-46%	930.7	2,65	6.0	1,297.8	226.	9 17.5%	175.6%	2.0x	11.7x
Pandora Media, Inc.	United States	8.69	-14%	2,344.3	2,72	5.2	1,517.0	(252.5) NM	3.6%	1.8x	NM
Salem Media Group, Inc.	United States	2.83	-55%	74.1	32	4.5	262.8	41.	3 15.7%	-1.7%	1.2x	7.8x
Sirius XM Holdings Inc.	* United States	6.23	-19%	27,671.5	34,19	2.0	5,678.7	2,070.	5 36.5%	6.7%	6.0x	16.5x
Spanish Broadcasting System, Inc.	United States	0.00	NA	2.1	40	3.8	139.1	45.	3 32.6%	-0.9%	2.9x	8.9x
Townsquare Media, Inc.	United States	6.20	-37%	117.5	62	5.6	514.9	100.	5 19.5%	19.0%	1.2x	6.2x
Urban One, Inc.	United States	2.17	-10%	97.8	1,00	3.8	434.6	126.	9 29.2%	-2.2%	2.3x	7.9x
Adjusted Weighted Average											1.8x	10.6x

*Calculation is market cap weighted and excludes revenue multiples that are 2.0 standard deviations above the mean (5.3x) and EBITDA multiples that are 1.0 standard deviations above the mean (13.7x)



Traditional Media Public Company Valuation (2/3)

(\$ in Millions, except stock price data)

Broadcast, Cable, and Satellite Television

		Stock Price	Chg % From	Equity	Ent.	LTM		LTM Margin	LTM	LTM	Multiples
Company Name	Headquarters	11/30/18	52WK High	Value	Value	Revenue	EBITDA	EBITDA	Rev Growth	EV/Rev	EV/EBITDA
Altice Europe N.V.	Netherlands	\$2.42	-80%	\$ 2,880.2	\$ 43,952.0	\$ 26,480.8	\$ 10,008.9	37.8%	30.8%	1.7x	4.4x
AMC Networks Inc.	United States	\$59.86	-13%	3,383.9	6,232.3	2,926.0	916.4	31.3%	4.2%	2.1x	6.8x
CVC Limited	Australia	1.93	-9%	231.3	204.5	48.1	25.7	53.5%	38.3%	4.3x	7.9x
CBS Corporation	United States	54.18	-12%	20,270.9	29,941.9	14,411.0	3,138.0	21.8%	8.4%	2.1x	9.5x
Charter Communications, Inc.	United States	329.20	-17%	75,359.7	155,344.7	43,005.0	15,963.0	37.1%	4.2%	3.6x	9.7x
Comcast Corporation	United States	39.01	-11%	177,476.2	241,883.2	88,233.0	28,847.0	32.7%	5.1%	2.7x	8.4x
Discovery, Inc.	United States	30.72	-12%	20,828.1	39,856.1	9,608.0	3,216.6	33.5%	43.8%	4.1x	12.4x
DISH Network Corporation	United States	32.76	-38%	15,321.0	29,051.4	13,798.4	2,811.0	20.4%	-5.9%	2.1x	10.3x
Entravision Communications Corporation	United States	3.23	-59%	287.0	346.4	289.2	50.2	17.4%	-45.7%	1.2x	6.9x
GCI Liberty, Inc.	* United States	NA	NA	5,155.5	7,829.0	512.2	93.5	18.2%	873.0%	15.3x	83.8x
Gray Television, Inc.	United States	18.49	-9%	1,606.6	2,855.9	989.5	372.6	37.7%	11.6%	2.9x	7.7x
Grupo Televisa, S.A.B.	Mexico	2.73	-32%	7,957.7	12,874.9	5,415.0	2,016.5	37.2%	6.7%	2.4x	6.4x
Liberty Global plc	United Kingdom	24.83	-38%	18,437.7	47,695.6	15,772.9	7,137.7	45.3%	46.2%	3.0x	6.7x
Nexstar Media Group, Inc.	United States	82.64	-8%	3,769.4	7,822.9	2,622.3	960.8	36.6%	25.6%	3.0x	8.1x
Stolt-Nielsen Limited	United Kingdom	12.05	-29%	733.1	3,133.0	2,106.2	453.7	21.5%	7.8%	1.5x	6.9x
Sinclair Broadcast Group, Inc.	United States	31.45	-22%	3,059.2	5,900.5	2,972.2	813.5	27.4%	9.2%	2.0x	7.3x
TEGNA Inc.	United States	13.29	-15%	2,861.4	5,827.2	2,055.5	680.5	33.1%	4.9%	2.8x	8.6x
The E.W. Scripps Company	United States	17.63	-4%	1,422.3	1,981.7	1,089.9	140.9	12.9%	33.9%	1.8x	14.1x
Adjusted Weighted Average										2.9x	8.9x

*Calculation is market cap weighted and excludes revenue multiples that are 2.0 standard deviations above the mean (9.5x) and EBITDA multiples that are 1.0 standard deviations above the mean (30.5x)

(\$ in Millions, except stock price data)

		Stock Price	Chg % From	Equity		Ent.		LTM		LTM Margin	LTM	LTM I	Vultiples
Company Name	Headquarters	11/30/18	52WK High	Value		Value	R	evenue	 EBITDA	EBITDA	Rev Growth	EV/Rev	EV/EBITDA
Cineplex Inc.	Canada	\$19.42	-36%	\$ 1,23	0.2	\$ 1,671.8	\$	1,247.8	\$ 195.0	15.6%	6.5%	1.3x	8.6x
Eros International Plc	United States	9.13	-39%	64	5.4	990.5		260.8	56.7	21.7%	11.4%	3.8x	17.5x
Lions Gate Entertainment Corp.	United States	19.41	-47%	3,97	9.2	6,385.1		4,016.6	475.6	11.8%	1.6%	1.6x	13.4x
Live Nation Entertainment, Inc.	United States	55.68	-4%	11,66	7.5	13,123.0		11,156.6	697.4	6.3%	21.7%	1.2x	18.8x
Twenty-First Century Fox, Inc.	United States	49.47	-1%	91,43	9.9	105,384.9		30,575.0	6,995.0	22.9%	5.4%	3.4x	15.1x
Liberty Global plc	United Kingdom	24.83	-38%	18,43	7.7	47,695.6		15,772.9	7,137.7	45.3%	46.2%	3.0x	6.7x
Village Roadshow Limited	Australia	1.79	-41%	34	5.3	675.6		711.2	40.3	5.7%	-5.0%	0.9x	16.8x
World Wrestling Entertainment, Inc.	* United States	73.96	-24%	5,77	0.7	5,669.0		869.3	120.6	13.9%	10.9%	6.5x	47.0x
Adjusted Weighted Average												3.3x	14.2x

*Calculation is market cap weighted and excludes revenue multiples that are 2.0 standard deviations above the mean (6.8x) and EBITDA multiples that are 1.0 standard deviations above the mean (32.2x)



(\$ in Millions, except stock price data)

		Stock Price	Chg % From	Equity	Ent.	LTM		LTM Margin	LTM	LTM	Multiples
Company Name	Headquarters	11/30/18	52WK High	Value	Value	Revenue	EBITDA	EBITDA	Rev Growth	EV/Rev	EV/EBITDA
APG SGA SA	Switzerland	331.26	-29%	991.9	971.4	303.4	70.8	23.3%	-3.6%	3.2x	13.7x
Clear Channel Outdoor Holdings, Inc.	United States	5.11	-20%	1,848.7	7,085.6	2,705.1	587.1	21.7%	4.7%	2.6x	12.1x
Clear Media Limited	Hong Kong	0.74	-32%	402.9	332.0	272.1	112.7	41.4%	11.1%	1.2x	2.9x
JCDecaux SA	France	33.97	-19%	7,226.8	7,859.6	3,543.1	576.1	16.3%	0.9%	2.2x	13.6x
Lamar Advertising Company (REIT)	United States	75.84	-6%	7,546.5	10,081.8	1,597.8	680.3	42.6%	4.5%	6.3x	14.8x
National CineMedia, Inc.	United States	6.91	-37%	531.6	1,674.4	444.7	195.4	43.9%	3.9%	3.8x	8.6x
NTN Buzztime, Inc.	United States	2.28	-73%	6.5	7.7	22.7	2.0	8.7%	3.4%	0.3x	3.9x
Outfront Media Inc.	United States	20.78	-14%	2,897.8	5,216.9	1,555.1	398.6	25.6%	2.5%	3.4x	13.1x
Stingray Digital Group Inc.	Canada	5.74	-31%	437.9	479.4	104.6	28.8	27.6%	19.3%	4.6x	16.6x
TOM Group Limited	* Hong Kong	0.25	-20%	970.6	1,333.2	121.8	14.4	11.8%	-2.5%	10.9x	92.5x
Adjusted Weighted Average										3.9x	13.6x

*Calculation is market cap weighted and excludes revenue multiples that are 2.0 standard deviations above the mean (8.8x) and EBITDA multiples that are 1.0 standard deviations above the mean (36.1x)

(\$ in Millions, except stock price data)

Publishing

		Stock Price	Chg % From	Equity	Ent.	LTM			LTM Margin	LTM	LTM	Multiples
Company Name	Headquarters	11/30/18	52WK High	Value	Value	Revenue		EBITDA	EBITDA	Rev Growth	EV/Rev	EV/EBITDA
A.H. Belo Corporation	United States	\$4.52	-22%	\$ 97.8	\$ 39.4	\$ 213.	\$\$	7.5	3.5%	-14.7%	0.2x	5.3x
Daily Mail and General Trust plc	United Kingdom	7.91	-21%	2,803.	2,808.2	1,860.	3	227.1	12.2%	-8.8%	1.5x	12.4x
Emmis Communications Corporation	United States	3.78	-35%	48.	158.0	125.	5	11.7	9.3%	-31.3%	1.3x	13.5x
Gannett Co., Inc.	United States	10.37	-16%	1,172.9	1,402.4	3,019.	7	301.3	10.0%	-4.4%	0.5x	4.7x
Glacier Media Inc.	Canada	0.47	-32%	51.3	95.4	145.	3	6.5	4.5%	-1.5%	0.7x	14.7x
John Wiley & Sons, Inc.	United States	55.29	-23%	3,175.2	3,565.3	1,795.	5	327.1	18.2%	4.0%	2.0x	10.9x
Meredith Corporation	United States	57.26	-21%	2,592.4	5,912.7	2,611.	3	490.6	18.8%	53.0%	2.3x	12.1x
News Corporation	United States	12.98	-25%	7,678.0	8,797.0	9,490.)	1,017.0	10.7%	2.4%	0.9x	8.6x
Pearson plc	United Kingdom	12.27	-4%	9,530.	10,622.7	5,714.	3	749.5	13.1%	-8.5%	1.9x	14.2x
Scholastic Corporation	United States	46.21	-4%	1,621.	1,367.4	1,657.	5	118.8	7.2%	0.6%	0.8x	11.5x
The E.W. Scripps Company	United States	17.63	-4%	1,422.3	1,981.7	1,089.)	140.9	12.9%	33.9%	1.8x	14.1x
The McClatchy Company	United States	6.39	-40%	49.9	790.2	838.)	89.2	10.6%	-8.9%	0.9x	8.9x
The New York Times Company	* United States	26.83	-7%	4,425.0	4,124.1	1,709.	3	248.7	14.6%	6.8%	2.4x	16.6x
Adjusted Weighted Average											1.6x	11.5x

*Calculation is market cap weighted and excludes revenue multiples that are 2.0 standard deviations above the mean (2.7x) and EBITDA multiples that are 1.0 standard deviations above the mean (14.9x)



Software

- Within the Software segment, Venture/Growth Capital transactions accounted for two-thirds of monthly activity in November with 177 deals announced, 157 of which worth \$4.3 billion in value
- Healthcare Software was the segment with the highest value, with 28 deals announced, 18 of which reporting \$6.6 billion
- Select transactions:
 - Thoma Bravo's pending \$950 million acquisition of application security testing platform Veracode
 - The pending acquisition of construction productivity platform PlanGrid by Autodesk for \$875
 - ResMed's \$750 acquisition of post-acute care software platform MatrixCare from OMERS Private Equity
 - Microsoft's acquisitions of AI and bot development software XOXO and desktop virtualization solution FSLogix
 - The acquisition of robotic process automation solution Contextor by SAP
 - Vidder's sale of security solution PrecisionAccess to Verizon

	SOFTWARE TR	ANSACTIONS BY SEG	MENT				BUYER/INV	ESTOR BREAKDOWN		
	Tran	sactions	Reported	Value	St	rategic		Buyout	Venture/G	rowth Capital
	#	%	\$MM	%	#	\$MM	#	\$MM	#	\$MM
Financial	57	22%	\$3,421.9	19%	15	\$620.0	3	\$1,867.2	39	\$934.7
Security	42	16%	557.0	3%	11	1,641.2	1	950.0	30	529.2
Healthcare	28	11%	6,604.4	37%	8	804.8	2	5,644.0	18	155.6
Infrastructure	25	9%	650.3	4%	7	-	1	-	17	557.0
ERP	18	7%	3,120.4	17%	7	360.0	1	-	10	290.3
HR	13	5%	765.9	4%	3	-	0	-	10	247.0
Data Management	13	5%	260.8	1%	4	488.5	0	-	9	277.4
Other	69	26%	2,492.0	14%	25	1,230	0	0	44	1,275.8
Total	265	100%	17,872.7	100%	80	5,144.5	8	8,461.2	177	4,267.0

PetskyPrunier INVESTMENT BANKERS

Software Public Company Valuation (1/3)

(\$ in Millions, except stock price data)

Financial & Credit/Risk Management Software

		Stock Price	Chg % From	Equity	Ent.		LTM		LT	TM Margin	LTM	LTM	Multiples
Company Name	Headquarters	11/30/18	52WK High	Value	Value	-	Revenue	EBITD		EBITDA	Rev Growth	EV/Rev	EV/EBITDA
Alfa Financial Software Holdings PLC	United Kingdom	1.69	-76%	\$ 507.7	\$ 46	1.3	\$ 99.7	\$	34.3	34.4%	-15.8%	4.6x	13.4x
Anaplan, Inc.	United States	28.00	-1%	3,471.1	3,09	6.9	217.7		(92.4)	NM	0.0%	14.2x	NM
Apptio, Inc.	United States	38.16	-8%	1,731.5	1,58	6.3	224.7		(14.0)	NM	24.5%	7.1x	NM
Avalara, Inc.	United States	31.99	-46%	2,127.5	1,98	9.3	252.6		(49.4)	NM	0.0%	7.9x	NM
BlackLine, Inc.	United States	42.87	-26%	2,342.6	2,21	7.5	216.9		(10.4)	NM	34.8%	10.2x	NM
Coupa Software Incorporated	United States	64.43	-24%	3,741.0	3,46	6.2	219.1		[37.5)	NM	37.7%	15.8x	NM
Donnelley Financial Solutions, Inc.	United States	16.66	-25%	568.1	90	9.1	987.5		132.0	13.4%	-1.4%	0.9x	6.9x
Ebix, Inc.	United States	47.22	-47%	1,476.6	2,01	8.9	466.2		154.5	33.2%	37.4%	4.3x	13.1x
First Data Corporation	United States	19.08	-28%	17,868.7	37,90	8.7	8,617.0	3	017.0	35.0%	7.8%	4.4x	12.6x
GreenSky, Inc.	United States	9.31	-66%	534.6	58	6.1	394.8		175.7	44.5%	28.3%	1.5x	3.3x
Guidewire Software, Inc.	United States	92.96	-14%	7,530.5	6,76	8.4	661.1		33.1	5.0%	28.5%	10.2x	NM
i3 Verticals, Inc.	United States	22.53	-12%	205.3	31	4.4	323.5		28.1	8.7%	23.2%	1.0x	11.2x
Intuit Inc.	United States	214.53	-7%	55,678.1	54,77	1.1	6,070.0	1	749.0	28.8%	14.3%	9.0x	31.3x
Model N, Inc.	United States	13.73	-32%	431.8	42	8.8	154.6		12.5)	NM	17.9%	2.8x	NM
Performant Financial Corporation	United States	1.72	-51%	91.1	12	5.9	149.2		13.0	8.7%	12.6%	0.8x	9.7x
Q2 Holdings, Inc.	United States	54.29	-19%	2,354.8	2,23	6.9	225.6		(12.0)	NM	22.3%	9.9x	NM
RealPage, Inc.	* United States	51.58	-22%	4,668.3	4,98	6.0	830.2		141.4	17.0%	31.3%	6.0x	35.3x
SS&C Technologies Holdings, Inc.	United States	48.15	-21%	11,980.0	17,93	3.9	2,748.5		883.0	32.1%	67.8%	6.5x	20.3x
StoneCo Ltd.	* Brazil	23.57	-27%	6,663.8	7,11	8.7	149.2		26.9)	NM	0.0%	47.7x	NM
Tyler Technologies, Inc.	* United States	192.76	-24%	7,483.6	7,21	1.8	910.8		194.1	21.3%	11.5%	7.9x	37.2x
Zuora, Inc.	United States	19.03	-50%	2,049.9	1,89	0.6	221.0		(62.3)	NM	0.0%	8.6x	NM
Adjusted Weighted Average												7.8x	25.5x

*Calculation is market cap weighted and excludes revenue multiples that are 2.0 standard deviations above the mean (32.1x) and EBITDA multiples that are 1.0 standard deviations above the mean (35.1x)

(\$ in Millions, except stock price data)

Healthcare Software

		Stock Price	Chg % From	1	Equity	Ent.	LTM		LTM Margin	LTM	LTM I	Multiples
Company Name	Headquarters	11/30/18	52WK High		Value	Value	Revenue	EBITDA	EBITDA	Rev Growth	EV/Rev	EV/EBITDA
Allscripts Healthcare Solutions, Inc.	United States	10.21	-37%	\$	1,783.8	\$ 3,997.3	\$ 2,079.1	\$ 90.5	4.4%	21.3%	1.9x	44.2x
athenahealth, Inc.	United States	133.10	-19%		5,405.0	5,359.7	1,311.4	264.8	20.2%	11.2%	4.1x	20.2x
Cegedim SA	France	26.83	-47%		373.7	555.8	537.9	61.9	11.5%	5.3%	1.0x	9.0x
Cerner Corporation	United States	57.91	-21%		19,080.7	18,708.2	5,213.0	1,256.5	24.1%	3.0%	3.6x	14.9x
Civitas Solutions, Inc.	United States	13.88	-30%		502.9	1,218.2	1,573.1	157.6	10.0%	8.0%	0.8x	7.7x
Computer Programs and Systems, Inc.	United States	26.68	-23%		363.0	495.3	286.1	34.5	12.1%	8.6%	1.7x	14.3x
Craneware plc	United Kingdom	37.40	-20%		998.4	947.3	67.1	19.5	29.1%	16.0%	14.1x	48.6x
HealthEquity, Inc.	* United States	88.69	-13%		5,521.9	5,219.0	258.2	81.8	31.7%	27.5%	20.2x	63.8x
McKesson Corporation	United States	124.50	-30%		24,324.3	33,044.3	210,927.0	4,053.0	1.9%	4.4%	0.2x	8.2x
Medidata Solutions, Inc.	United States	77.21	-13%		4,724.8	4,620.6	611.4	89.4	14.6%	16.0%	7.6x	51.7x
NantHealth, Inc.	United States	0.89	-78%		97.5	273.9	88.9	(49.0)	NM	8.1%	3.1x	NM
NextGen Healthcare, Inc.	United States	17.55	-26%		1,134.9	1,145.8	531.0	37.5	7.1%	1.4%	2.2x	30.6x
Streamline Health Solutions, Inc.	United States	0.83	-62%		16.0	25.6	24.0	0.9	3.8%	-3.3%	1.1x	28.3x
Veeva Systems Inc.	* United States	96.16	-12%		13,896.0	12,844.1	810.9	205.4	25.3%	24.0%	15.8x	62.5x
Adjusted Weighted Average											5.1x	17.2x

*Calculation is market cap weighted and excludes revenue multiples that are 2.0 standard deviations above the mean (18.4x) and EBITDA multiples that are 1.0 standard deviations above the mean (51.9x)

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Software Public Company Valuation (2/3)

(\$ in Millions, except stock price data)

HR Software

		Stock Price	Chg % From	E	quity	Ent.	LTM			LTM Margin	LTM	LTM	Multiples
Company Name	Headquarters	11/30/18	52WK High	Ν.	/alue	Value	Revenue	1	EBITDA	EBITDA	Rev Growth	EV/Rev	EV/EBITDA
51job, Inc.	China	\$68.08	-41%	\$	4,206.0	\$ 3,291.2	\$ 508.7	\$	161.1	31.7%	30.7%	6.5x	20.4x
Benefitfocus, Inc.	United States	50.10	-2%		1,601.2	1,680.2	271.7		3.0	1.1%	17.3%	6.2x	NM
Castlight Health, Inc.	United States	2.61	-56%		364.7	301.9	150.9		(34.0)	NM	21.0%	2.0x	NM
Ceridian HCM Holding Inc.	United States	40.12	-11%		5,538.7	6,022.5	808.4		111.0	13.7%	19.3%	7.4x	54.3x
Cornerstone OnDemand, Inc.	United States	54.62	-8%		3,201.4	3,098.4	531.6		0.6	0.1%	15.8%	5.8x	NM
DHI Group, Inc.	United States	1.77	-46%		93.6	105.6	174.5		23.6	13.6%	-17.7%	0.6x	4.5x
Domo, Inc.	United States	15.96	-45%		420.3	278.6	124.6		(165.4)	NM	0.0%	2.2x	NM
Paycom Software, Inc.	United States	132.77	-19%		7,782.1	7,731.8	530.0		135.0	25.5%	30.3%	14.6x	57.3x
Paylocity Holding Corporation	* United States	67.08	-24%		3,541.7	3,456.8	396.5		36.0	9.1%	25.3%	8.7x	96.0x
Pluralsight, Inc.	United States	24.09	-37%		1,501.1	1,418.9	212.2		(85.0)	NM	38.0%	6.7x	NM
The Ultimate Software Group, Inc.	United States	263.92	-21%		8,252.6	8,128.1	1,087.2		116.3	10.7%	20.8%	7.5x	69.9x
Workday, Inc.	United States	164.00	-1%		35,588.0	35,196.7	2,616.0		(248.9)	NM	31.1%	13.5x	NM
Adjusted Weighted Average												11.0x	54.5x

*Calculation is market cap weighted and excludes revenue multiples that are 2.0 standard deviations above the mean (15.2x) and EBITDA multiples that are 1.0 standard deviations above the mean (83.6x)

(\$ in Millions, except stock price data)

Security Software											
		Stock Price	Chg % From	Equity	Ent.	LTM		LTM Margin	LTM	LTM I	Multiples
Company Name	Headquarters	11/30/18	52WK High	Value	Value	Revenue	EBITDA	EBITDA	Rev Growth	EV/Rev	EV/EBITDA
Absolute Software Corporation	Canada	\$6.17	-5%	\$ 249.2	\$ 215.6	\$ 94.9	\$ 8.3	8.8%	3.5%	2.3x	25.9x
Check Point Software Technologies Ltd.	Israel	111.81	-7%	17,466.3	15,696.1	1,896.9	947.5	49.9%	3.4%	8.3x	16.6x
Cisco Systems, Inc.	United States	47.87	-3%	215,221.7	198,273.7	50,266.0	15,090.0	30.0%	5.2%	3.9x	13.1x
Cheetah Mobile Inc.	China	6.35	-65%	890.3	488.6	726.2	112.7	15.5%	2.6%	0.7x	4.3x
CyberArk Software Ltd.	Israel	74.14	-12%	2,673.6	2,287.1	314.5	41.5	13.2%	28.0%	7.3x	55.1x
FireEye, Inc.	United States	20.01	-3%	3,874.0	3,736.6	790.7	(127.7)	NM	4.2%	4.7x	NM
Fortinet, Inc.	United States	73.84	-22%	12,580.1	10,945.9	1,710.8	245.2	14.3%	18.7%	6.4x	44.6x
Gemalto N.V.	Netherlands	57.25	0%	5,193.2	5,913.0	3,460.0	421.7	12.2%	-1.9%	1.7x	14.0x
Imperva, Inc.	United States	55.51	-4%	1,953.8	1,649.4	351.8	5.0	1.4%	13.8%	4.7x	NM
Juniper Networks, Inc.	United States	28.71	-7%	9,909.4	8,658.7	4,706.0	841.5	17.9%	-9.0%	1.8x	10.3x
Mimecast Limited	* United Kingdom	37.23	-21%	2,236.2	2,269.1	301.2	19.5	6.5%	35.7%	7.5x	116.1x
Palo Alto Networks, Inc.	United States	172.95	-28%	16,311.7	14,732.3	2,427.3	30.7	1.3%	29.9%	6.1x	NM
Proofpoint, Inc.	United States	97.01	-26%	5,301.4	5,111.1	661.0	(38.9)	NM	37.8%	7.7x	NM
SecureWorks Corp.	United States	18.01	NA	1,473.2	1,370.9	492.9	(37.9)	NM	8.1%	2.8x	NM
Symantec Corporation	United States	22.11	-26%	14,125.8	16,728.8	4,750.0	966.0	20.3%	3.9%	3.5x	17.3x
Tenable Holdings, Inc.	United States	28.48	-28%	2,650.5	2,386.4	246.3	(59.3)	NM	0.0%	9.7x	NM
Trend Micro Incorporated	Japan	57.34	-14%	7,998.7	6,601.4	1,401.1	455.3	32.5%	7.8%	4.7x	14.5x
VeriSign, Inc.	United States	156.06	-12%	18,865.8	19,471.3	1,203.0	798.5	66.4%	4.1%	16.2x	24.4x
Zscaler, Inc.	* United States	39.26	-19%	4,702.3	4,403.8	190.2	(19.5)	NM	51.3%	23.2x	NM
Adjusted Weighted Average										5.1x	15.8x



Software Public Company Valuation (3/3)

(\$ in Millions, except stock price data)													
Engineering Software													
		Stock Price	Chg % From	Equity		Ent.	LTN	м		LTM Margin	LTM	LTM I	Vultiples
Company Name	Headquarters	11/30/18	52WK High	Value	1	Value	Rever	nue	EBITDA	EBITDA	Rev Growth	EV/Rev	EV/EBITDA
ANSYS, Inc.	United States	\$162.02	-15%	\$ 13,538.4	\$	12,809.0	\$ 1,1	180.5	\$ 454.5	38.5%	11.0%	10.9x	28.2x
Dassault Systèmes SE	France	120.02	-25%	30,604.6		28,693.4	3,8	885.0	1,072.7	27.6%	4.7%	7.4x	26.7x
PTC Inc.	* United States	86.49	-19%	10,264.2		10,621.7	1,2	241.8	134.8	10.9%	6.7%	8.6x	78.8x
Synopsys, Inc.	United States	91.94	-11%	13,661.2		13,547.4	3,0	022.6	514.0	17.0%	13.5%	4.5x	26.4x
Trimble Inc.	United States	38.03	-17%	9,551.1		11,358.6	3,0	030.4	523.0	17.3%	19.7%	3.7x	21.7x
Adjusted Weighted Average												7.2x	26.2x

*Calculation is market cap weighted and excludes revenue multiples that are 2.0 standard deviations above the mean (12.9x) and EBITDA multiples that are 1.0 standard deviations above the mean (60.2x)

(\$ in Millions, except stock price data)

Infrastructure Software											
		Stock Price	Chg % From	Equity	Ent.	LTM		LTM Margin	LTM	LTM I	Multiples
Company Name	Headquarters	11/30/18	52WK High	Value	Value	Revenue	EBITDA	EBITDA	Rev Growth	EV/Rev	EV/EBITDA
Adobe Inc.	United States	\$250.89	-10%	\$ 122,467.8	\$ 119,408.3	\$ 8,572.0	\$ 3,090.2	36.0%	24.2%	13.9x	38.6x
Atlassian Corporation Plc	* United Kingdom	85.94	-12%	20,466.3	19,499.3	945.8	21.4	2.3%	39.4%	20.6x	NM
Bandwidth Inc.	United States	46.66	-19%	903.1	839.6	194.2	16.1	8.3%	22.0%	4.3x	52.2x
Cloudera, Inc.	United States	12.34	-45%	1,890.6	1,512.2	411.1	(176.4)	NM	32.8%	3.7x	NM
Commvault Systems, Inc.	United States	58.94	-19%	2,728.2	2,244.1	710.5	30.2	4.2%	6.4%	3.2x	74.4x
DocuSign, Inc.	United States	41.76	-39%	6,548.3	5,729.5	602.3	(291.9)	NM	0.0%	9.5x	NM
Dropbox, Inc.	United States	23.39	-46%	9,508.6	8,635.7	1,321.3	(354.8)	NM	27.1%	6.5x	NM
Endurance International Group Holdings, Inc.	United States	8.30	-24%	1,194.0	2,937.9	1,157.1	319.9	27.6%	-1.5%	2.5x	9.2x
First Data Corporation	United States	19.08	-28%	17,868.7	37,908.7	8,617.0	3,017.0	35.0%	7.8%	4.4x	12.6x
Hortonworks Inc.	United States	16.10	-39%	1,356.2	1,254.9	327.6	(151.7)	NM	37.2%	3.8x	NM
IBM Corporation	United States	124.27	-27%	112,935.8	145,651.8	80,373.0	16,954.0	21.1%	2.6%	1.8x	8.6x
Nutanix, Inc.	United States	44.71	-31%	7,991.5	7,463.2	1,193.2	(271.3)	NM	39.7%	6.3x	NM
Okta, Inc.	* United States	63.65	-16%	6,949.5	6,677.0	325.6	(120.5)	NM	59.9%	20.5x	NM
Rapid7, Inc.	United States	31.80	-19%	1,503.7	1,404.1	233.1	(44.8)	NM	23.8%	6.0x	NM
Pivotal Software, Inc.	United States	17.91	-43%	4,609.8	3,938.7	582.4	(128.6)	NM	0.0%	6.8x	NM
salesforce.com, inc.	* United States	142.76	-11%	109,211.4	110,152.4	12,484.0	1,175.7	9.4%	25.2%	8.8x	93.7x
ServiceNow, Inc.	United States	185.27	-10%	33,219.9	32,408.5	2,457.0	59.8	2.4%	40.0%	13.2x	NM
Smartsheet Inc.	United States	26.90	-21%	2,764.1	2,560.6	141.1	(39.2)	NM	0.0%	18.2x	NM
Synchronoss Technologies, Inc.	United States	6.20	-49%	264.5	462.5	350.0	(55.3)	NM	-13.2%	1.3x	NM
Talend S.A.	France	34.74	-53%	1,044.8	956.0	190.2	(35.5)	NM	38.3%	5.0x	NM
Twilio Inc.	United States	94.49	-4%	9,341.0	9,024.4	561.0	(75.8)	NM	53.4%	16.1x	NM
Varonis Systems, Inc.	United States	57.91	-30%	1,706.3	1,548.2	257.7	(22.2)	NM	31.0%	6.0x	NM
Adjusted Weighted Average										8.6x	24.0x

*Calculation is market cap weighted and excludes revenue multiples that are 2.0 standard deviations above the mean (20.4x) and EBITDA multiples that are 1.0 standard deviations above the mean (75.2x)



Information

- Information transaction activity in November was up more than ten percent over average monthly activity levels of the past twelve months. Value remained modest with five deals worth \$462 million in aggregate value
- The Financial Information subsegment accounted for 40 percent of activity throughout the month with six transactions announced
- Select transactions from the segment included:
 - Forrester's \$245 million acquisition of sales and marketing research company SiriusDecisions
 - AllianceBernstein's acquisition of financial research company Autonomous Research
 - Alternative investment platform iCapital Network's round of funding from Carlyle Group and JP Morgan
 - BlackNight's acquisition of real estate closing cost data platform Ernst Publishing
 - The undisclosed investment property data company Betterview received from Plug and Play Ventures

ĺ	NFORMATION TRANSACT	IONS BY SEGMENT					BUYER/INVE	STOR BREAKDOWN		
	Tran	sactions	Reported	Value	St	rategic	I	Buyout	Venture/G	rowth Capital
	#	%	\$MM	%	#	\$MM	#	\$MM	#	\$MM
Financial Information	6	38%	\$1.7	0%	1	-	1	-	4	\$1.7
Product/Price Information	3	19%	4.0	1%	1	-	0	-	2	4.0
Geo-Demo Information	2	13%	7.5	2%	1	-	0	-	1	7.5
Healthcare Information	2	13%	200.0	43%	1	-	0	-	1	200.0
Other*	3	19%	249.1	54%	2	245.0	0	0.0	1	4.1
Total	16	100%	462.3	100%	6	245.0	1	0.0	9	217.3



Information Public Company Valuation (1/2)

(\$ in Millions, except stock price data)

Financial & Credit/Risk Management Information

		Stock Price	Chg % From	Equity	Ent.	 LTM		LTM Margin	LTM	LTM M	ultiples
Company Name	Headquarters	11/30/18	52WK High	Value	Value	Revenue	EBITDA	EBITDA	Rev Growth	EV/Rev	EV/EBITDA
Broadridge Financial Solutions, Inc.	United States	\$105.87	-23%	\$ 12,360.4	\$ 13,299.3	\$ 4,377.9	\$ 836.5	19.1%	4.9%	3.0x	15.9x
Computershare Limited	Australia	13.25	-13%	7,195.3	8,178.1	2,297.6	575.8	25.1%	8.9%	3.6x	14.2x
CoreLogic, Inc.	United States	40.46	-27%	3,259.5	4,926.0	1,839.2	416.2	22.6%	-1.7%	2.7x	11.8x
CoStar Group, Inc.	* United States	369.39	-18%	13,453.1	12,381.3	1,130.3	305.0	27.0%	21.6%	11.0x	40.6x
The Dun & Bradstreet Corporation	United States	143.54	-1%	5,329.8	6,447.8	1,792.1	505.1	28.2%	3.4%	3.6x	12.8x
Envestnet, Inc.	* United States	54.64	-16%	2,498.3	2,800.7	785.1	85.5	10.9%	19.6%	3.6x	32.7x
Equifax Inc.	United States	102.67	-26%	12,379.4	14,815.5	3,415.2	850.7	24.9%	2.7%	4.3x	17.4x
Experian plc	Ireland	24.33	-4%	21,854.9	25,220.4	4,819.0	1,469.0	30.5%	8.1%	5.2x	17.2x
FactSet Research Systems Inc.	United States	234.49	-1%	8,919.4	9,256.3	1,350.1	445.8	33.0%	10.6%	6.9x	20.8x
Fair Isaac Corporation	* United States	198.63	-18%	5,751.3	6,425.3	1,032.5	234.2	22.7%	10.8%	6.2x	27.4x
Fidelity National Information Services, Inc.	United States	107.95	-3%	35,352.4	43,843.4	8,877.0	2,616.0	29.5%	-0.8%	4.9x	16.8x
IHS Markit Ltd.	United Kingdom	53.37	-5%	21,036.6	26,949.8	3,886.1	1,279.3	32.9%	10.1%	6.9x	21.1x
Moody's Corporation	United States	159.07	-15%	30,479.2	34,508.2	4,548.1	2,151.1	47.3%	14.3%	7.6x	16.0x
Morningstar, Inc.	United States	118.14	-18%	5,039.9	4,763.2	1,000.3	280.2	28.0%	13.6%	4.8x	17.0x
MSCI Inc.	United States	157.09	-15%	13,829.1	15,005.3	1,407.1	751.2	53.4%	14.2%	10.7x	20.0x
S&P Global Inc.	United States	182.86	-16%	45,879.6	48,920.6	6,309.0	3,147.0	49.9%	7.4%	7.8x	15.5x
SEI Investments Co.	United States	53.70	-31%	8,352.5	7,610.5	1,627.3	481.8	29.6%	9.4%	4.7x	15.8x
SS&C Technologies Holdings, Inc.	United States	48.15	-21%	11,980.0	17,933.9	2,748.5	883.0	32.1%	67.8%	6.5x	20.3x
Thomson Reuters Corporation	Canada	50.44	-6%	25,470.3	32,604.9	11,432.0	2,391.0	20.9%	69.5%	2.9x	13.6x
TransUnion	United States	64.57	-19%	11,964.8	15,932.0	2,210.2	783.4	35.4%	18.6%	7.2x	20.3x
Verisk Analytics, Inc.	United States	123.32	-1%	20,301.0	22,736.6	2,351.5	1,056.5	44.9%	13.0%	9.7x	21.5x
Workiva Inc.	United States	37.41	-8%	1,640.4	1,562.1	234.4	(41.5)	NM	17.4%	6.7x	NM
Adjusted Weighted Average										6.2x	17.2x

*Calculation is market cap weighted and excludes revenue multiples that are 2.0 standard deviations above the mean (10.8x) and EBITDA multiples that are 1.0 standard deviations above the mean (26.3x)



Information Public Company Valuation (2/2)

(\$ in Millions, except stock price data)

		Stock Price	Chg % From	Equity	Ent.	LTM		LTM Margin	LTM	LTM M	lultiples
Company Name	Headquarters	11/30/18	52WK High	Value	Value	Revenue	EBITDA	EBITDA	Rev Growth	EV/Rev	EV/EBITDA
Alliance Data Systems Corporation	United States	200.36	-28%	10,914.3	31,941.0	7,841.5	1,785.8	22.8%	5.4%	4.1x	17.9x
Cello Health plc	United Kingdom	1.26	-30%	131.6	138.6	223.2	16.5	7.4%	3.7%	0.6x	8.4x
Ebiquity plc	United Kingdom	0.78	-46%	58.2	92.7	116.4	12.9	11.1%	2.6%	0.8x	7.2x
Harte Hanks, Inc.	United States	3.25	-73%	20.3	19.7	314.3	(8.8)	NM	-20.3%	0.1x	NM
InnerWorkings, Inc.	United States	4.22	-61%	218.1	384.8	1,132.7	21.8	1.9%	2.3%	0.3x	17.6x
INTAGE HOLDINGS Inc.	Japan	8.98	-32%	369.4	312.5	446.2	46.8	10.5%	2.3%	0.7x	6.7x
Ipsos SA	France	25.41	-35%	1,106.5	1,652.6	2,021.5	232.2	11.5%	-2.8%	0.8x	7.1x
LiveRamp Holdings, Inc.	* United States	47.30	-8%	3,738.7	3,877.9	943.9	90.0	9.5%	72.0%	4.1x	43.1x
Nielsen Holdings plc	United Kingdom	27.17	-31%	9,644.9	18,002.9	6,618.0	1,610.0	24.3%	2.3%	2.7x	11.2x
SVMK Inc.	* United States	14.28	-29%	1,786.1	1,938.2	243.4	(86.1)	NM	0.0%	8.0x	NM
System1 Group PLC	United Kingdom	2.96	-42%	37.2	32.8	34.3	2.6	7.7%	-11.6%	1.0x	12.5x
YouGov plc	United Kingdom	5.49	-16%	579.0	539.9	152.8	22.2	14.5%	8.9%	3.5x	24.4x
Adjusted Weighted Average										3.3x	14.5x

*Calculation is market cap weighted and excludes revenue multiples that are 2.0 standard deviations above the mean (6.8x) and EBITDA multiples that are 1.0 standard deviations above the mean (26.9x)

(\$ in Millions, except stock price data)

Other Information													
		Stock Price	Chg % From	Equity	Ent.		LTM			LTM Margin	LTM	LTM N	lultiples
Company Name	Headquarters	11/30/18	52WK High	Value	Value		Revenue		EBITDA	EBITDA	Rev Growth	EV/Rev	EV/EBITDA
Fluent, Inc.	United States	\$ 3.54	-49%	\$ 266.5	\$ 308.9	\$	244.6	\$	20.3	8.3%	16.8%	1.3x	15.2x
Forrester Research, Inc.	United States	46.74	-7%	853.7	709.2		349.4		31.3	9.0%	5.6%	2.0x	22.6x
Gartner, Inc.	* United States	153.19	-5%	13,923.9	15,883.7		3,901.1		570.4	14.6%	30.0%	4.1x	27.8x
HealthStream, Inc.	United States	24.64	-23%	796.5	622.2		259.8		31.0	11.9%	19.0%	2.4x	20.1x
IQVIA Holdings Inc.	United States	125.07	-8%	25,019.8	35,010.8		8,603.0		1,817.0	21.1%	-5.8%	4.1x	19.3x
Informa plc	United Kingdom	8.82	-20%	11,036.5	14,559.1		2,374.3		749.2	31.6%	11.6%	6.1x	19.4x
National Research Corporation	* United States	39.87	-7%	987.3	1,018.9		118.9		39.7	33.4%	2.5%	8.6x	25.6x
NIC Inc.	United States	13.00	-31%	865.4	684.4		349.7		87.5	25.0%	5.5%	2.0x	7.8x
Premier, Inc.	United States	39.66	-16%	2,527.7	2,492.5		1,672.2		721.8	43.2%	9.2%	1.5x	3.5x
Proofpoint, Inc.	United States	97.01	-26%	5,301.4	5,111.1		661.0		(38.9)	NM	37.8%	7.7x	NM
Reed Elsevier plc ⁽¹⁾	United Kingdom	20.84	-7%	40,954.8	48,985.3		9,637.7		2,930.6	30.4%	-0.5%	5.1x	16.7x
Wolters Kluwer N.V.	Netherlands	60.37	-5%	16,344.5	18,576.2		4,984.2		1,402.4	28.1%	-3.2%	3.7x	13.2x
Adjusted Weighted Average												4.7x	16.7x

(1) All financials are representative of the Reed Elsevier combined businesses, except per stock data, which represents Reed Elsevier (LSE:REL)

*Calculation is market cap weighted and excludes revenue multiples that are 2.0 standard deviations above the mean (8.9x) and EBITDA multiples that are 1.0 standard deviations above the mean (24.7x)



Business & IT Services

- November was an active month for the Business & IT Services segment with 90 transactions announced, 24 of which were valued at nearly \$4.5 billion
- IT Consulting transactions accounted for more than 40 percent of all transactions throughout the month with 38 deals announced
- Strategic buyers announced 55 deals throughout the month, five of which were valued at a reported \$2.4 billion
- Select transaction from the segment include:
 - The \$150 million round of funding received by China-based education platform Peilian from BHG Long Hills Capital, Tiger Global Management, Orchid Asia Group Management, Long Capital, Lanchi Venture Capital, GSR Ventures, and Tencent Holdings
 - Accenture's acquisition of advisory systems integration company Intigro Systsems
 - Deloitte's acquisition of New Zealand-based Salesforce implementation company CloudinIT
 - Providence Equity Partners' sale of e-learning performance support platform Vector Solutions to Golden Gate Capital

	BUSINESS SERVICES TR	ANSACTIONS BY SEG	MENT	BUYER/INVESTOR BREAKDOWN								
	Tr	Transactions		Value	St	trategic		Buyout	Venture/Growth Capital			
	#	%	\$MM	%	#	\$MM	#	\$MM	#	\$MM		
IT Consulting	38	42%	\$1,811.9	40%	29	\$32.3	3	\$1,700.0	6	\$79.6		
Corporate Training	21	23%	294.7	7%	7	24.0	1	-	13	270.7		
Financial Consulting	6	7%	1.8	0%	4	1,100.0	2	-	0	-		
HR Consulting	4	4%	32.0	1%	4	1,200.0	0	-	0	-		
Logistics	3	3%	21.0	0%	0	-	0	-	3	1.8		
Printing Services	3	3%	-	0%	2	-	0	-	1	32.0		
Staffing	3	3%	-	0%	1	25.0	2	-	0	-		
Other	12	13%	2,325.0	52%	7	0.0	2	0.0	3	21.0		
Total	90	100%	4,486.4	100%	54	2,381.3	10	1,700.0	26	405.1		



(\$ in Millions, except stock price data)

Consulting												
		Stock Price	Chg % From	Equity		Ent.	LTM		LTM Margin	LTM	LTM M	lultiples
Company Name	Headquarters	11/30/18	52WK High	Value		Value	 Revenue	EBITDA	EBITDA	Rev Growth	EV/Rev	EV/EBITDA
Accenture plc	Ireland	164.52	-6%	\$ 105,019.	\$	100,340.0	\$ 39,573.5	\$ 6,434.7	16.3%	13.6%	2.5x	15.6x
CRA International, Inc.	United States	48.75	-17%	394.		388.3	405.9	30.6	7.5%	15.1%	1.0x	12.7x
FTI Consulting, Inc.	United States	70.25	-14%	2,604.		2,659.0	1,990.6	262.0	13.2%	11.7%	1.3x	10.2x
Information Services Group, Inc.	United States	4.15	-24%	187.		273.4	274.5	24.4	8.9%	6.7%	1.0x	11.2x
Navigant Consulting, Inc.	United States	25.62	-2%	1,091.		817.4	957.4	123.1	12.9%	33.0%	0.9x	6.6x
ICF International, Inc.	United States	70.03	-15%	1,319.		1,546.6	1,281.2	111.4	8.7%	7.0%	1.2x	13.9x
Huron Consulting Group Inc.	* United States	55.67	-2%	1,203.		1,510.6	775.6	92.7	12.0%	7.0%	1.9x	16.3x
The Hackett Group, Inc.	United States	17.65	-23%	521.	1	519.3	269.8	42.1	15.6%	3.1%	1.9x	12.3x
Adjusted Weighted Average											1.4x	10.6x

*Calculation is market cap weighted and excludes revenue multiples that are 2.0 standard deviations above the mean (2.3x) and EBITDA multiples that are 1.0 standard deviations above the mean (14.8x)

(\$ in Millions, except stock price data)

		Stock Price	Chg % From	Equity		Ent.		LTM			LTM Margin	LTM	LTM N	Aultiples
Company Name	Headquarters	11/30/18	52WK High	Value		Value	_	Revenue		EBITDA	EBITDA	Rev Growth	EV/Rev	EV/EBITDA
Automatic Data Processing, Inc.	* United States	147.42	-4%	\$ 64,53	0.5	\$ 65,368.5	\$	13,571.8	\$	3,052.0	22.5%	8.2%	4.8x	21.4x
Barrett Business Services, Inc.	United States	70.35	-29%	51	9.3	488.1		947.6		37.1	3.9%	5.7%	0.5x	13.1x
Capita plc	United Kingdom	1.32	-79%	2,18	3.8	3,356.7		5,436.2		535.5	9.8%	-5.1%	0.6x	6.3x
DHI Group, Inc.	United States	1.77	-46%	g	3.6	105.6		174.5		23.6	13.6%	-17.7%	0.6x	4.5x
Edenred SA	France	38.13	-6%	9,04	6.3	10,546.5		1,512.1		536.7	35.5%	8.5%	7.0x	19.7x
Insperity, Inc.	* United States	100.04	-17%	4,18	2.7	3,921.2		3,688.3		196.5	5.3%	15.2%	1.1x	20.0x
Marsh & McLennan Companies, Inc.	United States	88.70	-1%	44,67	8.9	49,962.9		14,923.0		3,516.0	23.6%	8.9%	3.3x	14.2x
Paychex, Inc.	United States	70.76	-7%	25,40	8.6	24,942.3		3,450.8		1,432.4	41.5%	9.2%	7.2x	17.4x
TriNet Group, Inc.	United States	45.91	-24%	3,23	4.1	3,377.1		3,434.0		285.0	8.3%	6.1%	1.0x	11.8x
WageWorks, Inc.	United States	33.33	-49%	1,32	1.1	673.5		461.7		91.7	19.9%	33.1%	1.5x	7.3x
Adjusted Weighted Average													4.6x	15.3x

*Calculation is market cap weighted and excludes revenue multiples that are 2.0 standard deviations above the mean (8.1x) and EBITDA multiples that are 1.0 standard deviations above the mean (19.7x)

Business & IT Services Public Company Valuation (2/3)

(\$ in Millions, except stock price data)

IT Consulting											
		Stock Price	Chg % From	Equity	Ent.	LTM		LTM Margin	LTM	LTM M	lultiples
Company Name	Headquarters	11/30/18	52WK High	Value	Value	Revenue	EBITDA	EBITDA	Rev Growth	EV/Rev	EV/EBITDA
Accenture plc	Ireland	164.52	-6%	\$ 105,019.7	\$ 100,340.0	\$ 39,573.5	\$ 6,434.7	16.3%	13.6%	2.5x	15.6x
Amdocs Limited	United States	64.91	-9%	9,181.1	8,705.1	3,974.8	738.5	18.6%	2.8%	2.2x	11.8x
Bechtle AG	Germany	79.99	-22%	3,359.7	3,595.5	4,694.8	243.8	5.2%	17.7%	0.8x	14.7x
Booz Allen Hamilton Holding Corporation	United States	51.31	-3%	7,303.6	8,745.0	6,366.9	631.7	9.9%	5.2%	1.4x	13.8x
Business & Decision SA	* France	8.88	-7%	70.3	109.1	249.3	2.7	NA	-3.7%	0.4x	40.9x
Capgemini SE	France	116.68	-14%	19,119.4	21,854.9	15,142.9	1,883.1	12.4%	3.3%	1.4x	11.6x
Cerner Corporation	United States	57.91	-21%	19,080.7	18,708.2	5,213.0	1,256.5	24.1%	3.0%	3.6x	14.9x
CGI Group Inc.	Canada	63.87	-3%	17,741.7	19,011.5	8,901.7	1,493.3	16.8%	6.1%	2.1x	12.7x
Cognizant Technology Solutions Corporation	United States	71.23	-16%	41,244.2	37,205.2	15,824.0	3,305.0	20.9%	9.6%	2.4x	11.3x
ConvergeOne Holdings, Inc.	United States	12.52	-2%	962.0	1,659.3	1,401.3	111.8	8.0%	68.8%	1.2x	14.8x
Digi International Inc.	United States	11.84	-19%	325.2	262.5	228.4	18.9	8.3%	25.7%	1.1x	13.9x
DXC Technology Company	United States	63.04	-42%	17,658.4	22,242.4	24,162.0	5,453.0	22.6%	66.7%	0.9x	4.1x
Endava plc	* United Kingdom	24.70	-22%	1,309.9	1,255.5	308.5	44.3	14.3%	0.0%	4.1x	28.4x
EPAM Systems, Inc.	* United States	130.25	-10%	7,034.7	6,374.6	1,737.3	261.8	15.1%	27.3%	3.7x	24.3x
Globant S.A.	* Luxembourg	58.65	-12%	2,105.5	2,025.6	497.6	81.1	16.3%	29.2%	4.1x	25.0x
Hexaware Technologies Limited	India	4.65	-42%	1,382.4	1,280.4	606.5	94.8	15.6%	13.5%	2.1x	13.5x
International Business Machines Corporation	United States	124.27	-27%	112,935.8	145,651.8	80,373.0	16,954.0	21.1%	2.6%	1.8x	8.6x
Infosys Limited	India	9.58	-12%	41,642.5	37,990.5	11,313.0	3,002.0	26.5%	7.8%	3.4x	12.7x
ITS Group	France	5.36	-39%	41.7	57.3	208.7	9.3	4.4%	-2.2%	0.3x	6.2x
Larsen & Toubro Limited	India	20.52	-3%	28,767.8	43,281.9	18,062.3	2,211.0	12.2%	14.5%	2.4x	19.6x
Navigant Consulting, Inc.	United States	25.62	-2%	1,091.1	817.4	957.4	123.1	12.9%	33.0%	0.9x	6.6x
NTT DATA Corporation	Japan	11.63	-18%	16,307.4	19,974.9	18,671.2	2,780.9	14.9%	7.4%	1.1x	7.2x
Perficient, Inc.	United States	25.31	-19%	839.8	913.9	487.8	56.9	11.7%	4.3%	1.9x	16.1x
Presidio, Inc.	United States	14.08	-29%	1,159.1	2,159.7	2,876.7	208.3	7.2%	2.3%	0.8x	10.4x
Reply S.p.A.	Italy	55.80	-20%	2,087.2	2,030.3	1,119.7	141.9	12.7%	12.2%	1.8x	14.3x
SQLI SA	France	20.95	-53%	91.5	119.7	262.9	19.3	7.3%	13.9%	0.5x	6.2x
Synthomer plc	United Kingdom	5.18	-30%	1,762.0	2,040.0	2,036.9	230.9	11.3%	12.7%	1.0x	8.8x
Tata Consultancy Services Limited	* India	28.24	-14%	105,986.0	101,267.6	18,484.3	5,003.4	27.1%	12.2%	5.5x	20.2x
Wipro Limited	India	4.66	-4%	20,986.3	17,923.2	7,713.3	1,340.9	17.4%	2.3%	2.3x	13.4x
Adjusted Weighted Average										2.2x	13.7x

*Calculation is market cap weighted and excludes revenue multiples that are 2.0 standard deviations above the mean (4.5x) and EBITDA multiples that are 1.0 standard deviations above the mean (22.2x)



(\$ in Millions, except stock price data)

Outsourced Services											
		Stock Price	Chg % From	Equity	Ent.	LTM		LTM Margin	LTM	LTM M	lultiples
Company Name	Headquarters	11/30/18	52WK High	Value	Value	Revenue	EBITDA	EBITDA	Rev Growth	EV/Rev	EV/EBITDA
AMREP Corporation	United States	\$6.86	-31%	\$ 55.8	\$ 42.7	\$ 40.1	\$ 2.0	5.1%	-0.2%	1.1x	21.1x
Cimpress N.V.	Netherlands	120.66	-30%	3,729.5	4,785.6	2,618.2	258.4	9.9%	16.1%	1.8x	18.5x
Communisis plc	United Kingdom	0.90	-3%	189.1	219.4	516.0	33.5	6.5%	8.5%	0.4x	6.6x
Clairvest Group Inc.	Canada	34.57	-11%	526.6	240.6	204.3	141.4	69.2%	81.6%	1.2x	1.7x
CSG Systems International, Inc.	United States	35.07	-28%	1,168.9	1,330.2	833.0	154.8	18.6%	6.9%	1.6x	8.6x
Donnelley Financial Solutions, Inc.	United States	16.66	-25%	568.1	909.1	987.5	132.0	13.4%	-1.4%	0.9x	6.9x
Elanders AB (publ)	Sweden	10.16	-5%	359.1	677.3	1,174.0	72.8	6.2%	14.8%	0.6x	9.3x
Eniro AB (publ)	Sweden	0.15	-86%	10.1	114.2	157.8	17.3	11.0%	-19.6%	0.7x	6.6x
ExlService Holdings, Inc.	United States	57.96	-14%	1,985.5	2,044.4	846.1	117.2	13.9%	14.1%	2.4x	17.4x
Firstsource Solutions Limited	India	0.75	-38%	517.3	574.8	504.3	65.9	13.1%	3.7%	1.1x	8.7x
Genpact Limited	Bermuda	30.38	-13%	5,774.9	6,717.4	2,899.9	407.7	14.1%	8.0%	2.3x	16.5x
InnerWorkings, Inc.	United States	4.22	-61%	218.1	384.8	1,132.7	21.8	1.9%	2.3%	0.3x	17.6x
j2 Global, Inc.	United States	73.81	-19%	3,638.0	4,345.0	1,177.6	426.8	36.2%	11.8%	3.7x	10.2x
Liq Participações S.A.	Brazil	0.27	-79%	3.0	9.9	361.5	1.1	0.3%	-21.3%	0.0x	9.2x
Luxoft Holding, Inc.	Switzerland	33.02	-44%	1,109.6	1,020.9	910.7	98.2	10.8%	7.4%	1.1x	10.4x
LSC Communications, Inc.	United States	10.02	-46%	333.9	1,259.9	3,886.0	291.0	7.5%	10.3%	0.3x	4.3x
MAXIMUS, Inc.	United States	71.12	-2%	4,561.2	4,194.2	2,392.2	350.8	14.7%	-2.4%	1.8x	12.0x
Quad/Graphics, Inc.	United States	16.38	-48%	846.4	1,923.9	4,176.3	421.0	10.1%	0.3%	0.5x	4.6x
IQVIA Holdings Inc.	United States	125.07	-8%	25,019.8	35,010.8	8,603.0	1,817.0	21.1%	-5.8%	4.1x	19.3x
R.R. Donnelley & Sons Company	United States	6.33	-35%	445.6	2,390.3	6,962.6	428.8	6.2%	1.3%	0.3x	5.6x
Serco Group plc	United Kingdom	1.14	-18%	1,249.0	1,569.5	3,711.1	83.9	2.3%	-7.0%	0.4x	18.7x
StarTek, Inc.	United States	6.76	-18%	250.5	462.2	269.8	4.8	1.8%	-12.1%	1.7x	97.3x
Steel Connect, Inc.	United States	1.67	-42%	100.0	496.5	645.3	17.8	2.8%	47.8%	0.8x	28.0x
SYNNEX Corporation	United States	80.74	-43%	4,130.7	5,745.4	19,743.4	737.0	3.7%	26.4%	0.3x	7.8x
Sykes Enterprises, Incorporated	United States	27.62	-14%	1,165.6	1,090.3	1,629.7	155.3	9.5%	4.7%	0.7x	7.0x
Teleperformance SE	France	165.53	-15%	9,561.2	11,014.0	4,864.1	737.4	15.2%	3.2%	2.3x	14.9x
TTEC Holdings, Inc.	United States	29.25	-31%	1,351.1	1,538.0	1,516.7	174.9	11.5%	8.7%	1.0x	8.8x
transcosmos inc.	Japan	23.11	-21%	958.7	790.6	2,447.0	84.7	3.5%	10.2%	0.3x	9.3x
Transcontinental Inc.	Canada	15.07	-39%	1,318.7	2,429.6	1,777.8	383.3	21.6%	14.0%	1.4x	6.3x
Adjusted Weighted Average										1.2x	11.1x

*Calculation is market cap weighted and excludes revenue multiples that are 2.0 standard deviations above the mean (1.5x) and EBITDA multiples that are 1.0 standard deviations above the mean (12.1x)



	Revenue Multiples (TTM)					
Public Company Index	MEAN	MEDIAN	W. AVG	ADJ. W. AVG*		
US-based Digital Media and Internet	3.8x	3.4x	5.0x	3.7x		
Internationally-based Digital Media and Internet	2.9x	2.5x	4.0x	2.7x		
US-based eCommerce	3.5x	2.0x	4.2x	3.4x		
Internationally-based eCommerce	3.8x	1.6x	8.7x	3.3x		
US-based Digital Advertising	3.5x	2.6x	5.8x	3.0x		
Internationally-based Digital Advertising	2.7x	0.8x	8.9x	2.3x		
US-based Marketing Technology	6.9x	5.5x	7.1x	6.5x		
Internationally-based Marketing Technology	6.3x	3.7x	8.1x	5.7x		
Agency	1.1x	1.1x	1.2x	1.2x		
Marketing Services	1.6x	1.3x	3.4x	2.6x		
Traditional Media	2.9x	2.3x	3.6x	3.2x		
Software	6.8x	6.0x	7.3x	7.1x		
Information	4.6x	4.1x	6.7x	6.6x		
Business Services	1.3x	1.0x	2.8x	2.2>		

Current Summary Trading Valuation Information

As of close of business on 11/30/18

*Calculation is market cap weighted and excludes revenue multiples that are 3 standard deviations above the mean and EBITDA multiples that are 2 standard deviations above the mean

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		EBITDA Multi	ples (TTM)	
Public Company Index	MEAN	MEDIAN	W. AVG	ADJ. W. AVG*
US-based Digital Media and Internet	26.1x	22.1x	17.2x	22.9x
Internationally-based Digital Media and Internet	11.7x	12.3x	11.7x	12.3x
US-based e-commerce	20.7x	15.9x	20.3x	16.0x
Internationally-based e-commerce	15.0x	9.8x	27.6x	14.3x
US-based Digital Advertising	36.2x	30.6x	17.4x	21.9x
Internationally-based Digital Advertising	16.2x	5.9x	23.8x	10.6x
US-based Marketing Technology	42.8x	30.2x	31.6x	22.5x
Internationally-based Marketing Technology	43.3x	13.5x	9.6x	14.7x
Agency	10.7x	8.7x	8.7x	8.2x
Marketing Services	9.9x	8.2x	15.6x	12.1x
Traditional Media	14.2x	10.9x	12.7x	11.9x
Software	30.0x	22.4x	23.3x	18.1x
Information	19.2x	17.2x	24.1x	17.6x
Business Services	11.2x	10.5x	14.2x	12.6×

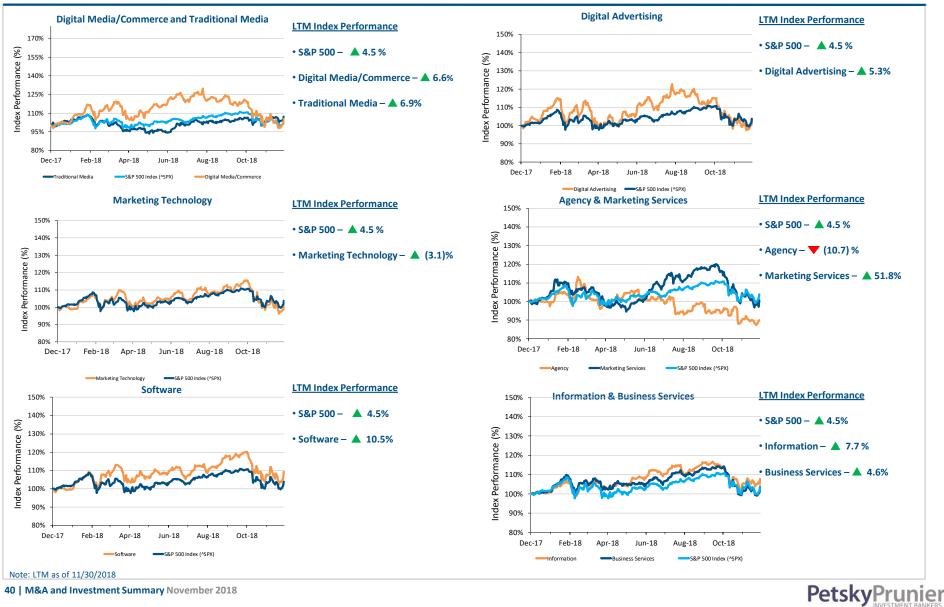
Current Summary Trading Valuation Information

As of close of business on 11/30/18

*Calculation is market cap weighted and excludes revenue multiples that are 3 standard deviations above the mean and EBITDA multiples that are 2 standard deviations above the mean



PPLLC Indices LTM Share Pricing Trends



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lues Disclosed	Target	Target Segment	Buyer/Investor	Reported TV
	Cylance, Inc.	Software	BlackBerry Ltd.	\$ 1,500.
	Oasis Outsourcing, Inc.	Business Services	Paychex, Inc.	1,200.
	Investment Technology Group, Inc.	Business Services	Virtu Financial, Inc.	1,100.
	Editis S.A.	Traditional Media	Vivendi S.A.	1,000.
	PlanGrid, Inc.	Software	Autodesk, Inc.	875
	MatrixCare	Software	Res Med Corporation	750
	Eclipx Group Limited	Digital Media/Commerce	McMillan Shakespeare Limited	661
	Corporate Spending Innovations	Software	Edenred S.A.	600
	Nuance Document Imaging Solutions	Marketing Technology	Kofax Limited	400
	Farelogix, Inc.	Software	Sabre Corporation	360
	Liaison Technologies	Software	OpenText Corporation	310
	SiriusDecisions, Inc.	Marketing Technology	Forrester Research, Inc.	245
	Sapho, Inc.	Software	Citrix Systems, Inc.	200
	Datawatch Corporation	Software	Altair Engineering, Inc.	178
	Destinations of the World	Digital Media/Commerce	Webjet Limited	173
	Fortune Magazine	Traditional Media	(Private Investors)	150
	Periscope, Inc.	Agency & Marketing Services	Quad/Graphics, Inc.	13
	Massive Interactive	Marketing Technology	deltatre s.p.a.	127
	SecurityMatters B.V.	Software	ForeScout Technologies, Inc.	113
	CarsOnTheWeb Belgium NV	Digital Media/Commerce	KAR Auction Services, Inc.	103
	Spin.app	Digital Media/Commerce	Ford Motor Company	100
	City Gear	Digital Media/Commerce	Hibbett Sports, Inc.	8
	ezbuy Holdings Limited	Digital Media/Commerce	LightInTheBox	8
	Inuvo, Inc.	Digital Advertising	ConversionPoint Technologies, Inc.	8
	Frustum, Inc.	Software	PTC, Inc.	7
	Stitch, Inc.	Software	Talend S.A.	6
	Stanson Health, Inc.	Software	Premier, Inc.	5
	Coffee Stain Studios AB	Digital Media/Commerce	THQ Nordic AB	43
	Callcap	Marketing Technology	Marchex, Inc.	3
	SharedLABS, Inc.	Business Services	Glowpoint, Inc.	3
	Martin Healthcare Group	Business Services	HNI Healthcare	2
	Stelligent Systems LLC	Software	MphasiS Ltd.	2
	Javelin Networks, Inc.	Software	Symantec Corporation	2
	Baffin, Inc.	Digital Media/Commerce	Canada Goose, Inc.	24
	Grovo Learning, Inc.	Business Services	Cornerstone OnDemand, Inc.	24
	10 Regional Radio Stations of RNC Media, Inc.	Traditional Media	Cogeco, Inc.	1
	OrderDynamics	Marketing Technology	TECSYS, Inc.	13
	Exaxe.com	Software	Majesco.com	1
	Telemetrics, Inc.	Marketing Technology	Marchex, Inc.	1
	DealerMine, Inc.	Marketing Technology	Quorum Information Technologies, Inc.	1
	Instafile Ltd.	Software	Xero Ltd.	(
	Mic Network, Inc.	Digital Media/Commerce	Bustle.com	



ues Disclosed	Target	Target Segment	Buyer/Investor	Repo	rted T\
	Dovetail Digital Limited	Software	EMIS Group Plc	\$	
	N8 Identity	Software	Data443 Risk Mitigation, Inc.		
	Viewpoint Creative	Agency & Marketing Services	Dolphin Entertainment, Inc.		



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closed	Target	Target Segment	Buyer/Investor	Reported 1
	360 Live Media	Agency & Marketing Services	SmithBucklin Corporation	Ś
	Albion Media	Agency & Marketing Services	Premier PR	Υ
	Bengar Films	Agency & Marketing Services	Bastion Collective Pty. Ltd.	
	BevBiz Marketing	Agency & Marketing Services	HCA Marketing	
	Bonita Print Shop	Agency & Marketing Services	iPartnerMedia, Inc.	
	CrowdfundX	Agency & Marketing Services	Issuance, Inc.	
	Demac Media Inc.	Agency & Marketing Services	Bounteous	
	Effilab Australia	Agency & Marketing Services	The One Centre	
	Eleven, Inc.	Agency & Marketing Services	BlueFocus International	
	Endpoint Direct	Agency & Marketing Services	BR Printers, Inc.	
	Essential Design	Agency & Marketing Services	PA Consulting Group Limited	
	Fil Rouge	Agency & Marketing Services	Altavia Group	
	FISH Technologies LLC	Agency & Marketing Services	Patron Technology	
	Flow Digital Limited	Agency & Marketing Services	Venture Stream Ltd.	
	Fosina Marketing Group	Agency & Marketing Services	Digital Media Solutions, LLC	
	Fourteen Digital	Agency & Marketing Services	Tug Agency	
	Happy Cog Studios LLC	Agency & Marketing Services	Vector Media Group	
	HAT Media	Agency & Marketing Services	Gozoop Online Pvt. Ltd.	
	Hurrah Productions	Agency & Marketing Services	Golin	
	Kolle Rebbe GmbH	Agency & Marketing Services	Accenture plc	
	Logo Sports wear	Agency & Marketing Services	Digital Room, Inc.	
	Markkinointi Akatemia	Agency & Marketing Services	Sogemedier A/S	
	Meridium AB	Agency & Marketing Services	Tieto Oy	
	Meyvyn LLC	Agency & Marketing Services	A.P. Keaton	
	MK2 Audiovisual B.V.	Agency & Marketing Services	Kinly B.V.	
	One Smooth Stone	Agency & Marketing Services	PRA. Inc.	
	Outsite Networks, Inc.	Agency & Marketing Services	Professional Datasolutions. Inc.	
	Peppy Marketing	Agency & Marketing Services	Force 24 Ltd.	
	Persuasive Communications	Agency & Marketing Services	Mason Marketing	
	Playbook, Inc.	Agency & Marketing Services	VaynerMedia LLC	
	Reading Room	Agency & Marketing Services	Fat Media Ltd.	
	Sys-Teams Ltd.	Agency & Marketing Services	Stratacache, Inc.	
	ТЕАМСНОМР	Agency & Marketing Services	Dished	
	THINK	Agency & Marketing Services	EPAM Systems, Inc.	
	Upfront Business Development	Agency & Marketing Services	Propeller Group	
	Virtual Marketing LLC	Agency & Marketing Services	Sage Communications	
	W12 Studios Limited	Agency & Marketing Services	Tata Consultancy Services Limited	
	Wiz studios Linited Way to Blue Ltd.	Agency & Marketing Services	Miroma Group Ltd.	
	25sevenIT Ltd.	Business Services	Timico Limited	
	Actiwate	Business Services	Viithiisys Technologies Pvt. Ltd.	
	AdvantEdge Accounting Solutions	Business Services	Basis 365 Accounting	
	Advantedge Accounting Solutions	Business Services	Insurance Technologies Corporation	



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Strategic				
Undisclosed	Target	Target Segment	Buyer/Investor	Reported TV
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	Athena Advanced Networks, Inc.	Business Services	Mission Critical Partners, Inc.	\$ -
	bd4travel GmbH	Business Services	Dnata	-
	Berico Technologies LLC	Business Services	Novetta Solutions, LLC	-
	BlueLine Associates, Inc.	Business Services	ThreeBridge Solutions	-
	Bridgepoint Group	Business Services	Tata Consultancy Services Limited	-
	Buckman-Mitchell, Inc.	Business Services	Arthur J. Gallagher & Co.	-
	BusinessNow and TESM	Business Services	DXC Technology Company	-
	Cambridge Consulting Group LLC	Business Services	NFP Corporation	-
	CloudinIT Ltd.	Business Services	Deloitte LLP	-
	Cloudstrong Limited	Business Services	Arkphire Ireland Limited	-
	ColorGATE Digital Output Solutions GmbH	Business Services	Ricoh Co., Ltd.	-
	Crestle.ai	Business Services	Doc.ai, Inc.	-
	Critical Metrics	Business Services	Talmetrix	-
	Custodela	Business Services	Checkmarx, Inc.	-
	Dev6	Business Services	Aquent	-
	Dynamic Engineering Solutions, Inc.	Business Services	EverWatch Solutions Corporation	-
	Eview Technology, Inc.	Business Services	Syncsort, Inc.	-
	Executive Alliance	Business Services	Sikich, LLP.	-
	Flywheel Digital	Business Services	Ascential plc	-
	Harvard Card Systems, Inc.	Business Services	PLI Card Markeing Solutions	-
	Hedgepoint Solutions	Business Services	Abacus Group LLC	-
	HiTechnique	Business Services	Executech.com	-
	iCompass	Business Services	Braintri	-
	Impuls	Business Services	BearingPoint, Inc.	-
	InfoGeographics, Inc.	Business Services	Avineon, Inc.	-
	Intrigo Systems, Inc.	Business Services	Accenture plc	-
	IT Nexus, Inc.	Business Services	Scantron Corporation	-
	Keytech Managed Services Ltd.	Business Services	Pure Technology Group Ltd.	-
	LegalComet	Business Services	Rajah & Tann Asia	-
	LexPredict LLC	Business Services	Elevate Services, Inc.	-
	Noah Data	Business Services	Indium Software, Inc.	-
	Pall Mall Risk Reduction	Business Services	Delta Capita Ltd.	-
	Proteus Performance Management, Inc.	Business Services	HUB International Limited	-
	Q-Centrix LLC	Business Services	TPG Growth	-
	Qsource Networks	Business Services	Integritek, Inc.	-
	SI Technologies, Inc.	Business Services	Convergint Technologies LLC	-
	SPEAR Incorporated	Business Services	CALIBRE Systems, Inc.	-
	Survivex Limited	Business Services	3T Energy Group Ltd.	-
	TopDown Consulting	Business Services	Archtype Consulting	-
	Ultra Airport Systems	Business Services	ABD SAFEGATE BVBA	-
	Value Prime Solutions, Inc.	Business Services	ValueSelling Associates, Inc.	-
	Veriphy Ltd.	Business Services	Davies Group Limited	-
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lisclosed	Target	Target Segment	Buyer/Investor	Reported 1
	Viverae	Business Services	Virgin Pulse	Ś
	Wambiz Ltd.	Business Services	Allocate Software Limited	Ŷ
	Watershed Systems, Inc.	Business Services	Learning Technologies Group plc	
	Workbench	Business Services	Google	
	Independer.nl N.V.	Digital Advertising	De Persgroep N.V.	
	JUICE Mobile	Digital Advertising	Curate Mobile Ltd.	
	Manage.com	Digital Advertising	Criteo SA	
	Qualia, Inc.	Digital Advertising	IDIFY	
	Unlockd Media Pty. Ltd.	Digital Advertising	Wesfarmers Limited	
	Wikibuy	Digital Advertising	Capital One Financial Corporation	
	Adrenaline.com.au	Digital Media/Commerce	Big Red Group	
	Bitches Who Brunch	Digital Media/Commerce	Volvo City	
	Bugbear Entertainment Ltd.	Digital Media/Commerce	THQ Nordic AB	
	Carizy	Digital Media/Commerce	Groupe Renault	
	Channel 40.com.au	Digital Media/Commerce	Freelancer Technology Pty Limited	
	Chirpi, Inc.	Digital Media/Commerce	HUBConnect, Inc.	
	Chronofy, Inc.	Digital Media/Commerce	WatchBox Global	
	ComicBlitz	Digital Media/Commerce	Cinedigm Corporation	
	Dictionary.com & Thesaurus.com	Digital Media/Commerce	Rock Holdings, Inc.	
	DogBuddy	Digital Media/Commerce	A Place for Rover	
	Edge Case Games Ltd.	Digital Media/Commerce	Wargaming.net. LLP	
	Frederick's of Hollywood Group, Inc.	Digital Media/Commerce	Naked Brand Group Limited	
	InCourt News Pvt Ltd.	Digital Media/Commerce	La wyered.in	
	inXile Entertainment, Inc.	Digital Media/Commerce	Microsoft Corporation	
	Ketchupp.in	Digital Media/Commerce	Cartoq.com	
	Local Solo	Digital Media/Commerce	Communo Corporation	
	MoneySense.ca	Digital Media/Commerce	Ratehub, Inc.	
	Neds International	Digital Media/Commerce	GVC Holdings PLC	
	ofo	Digital Media/Commerce	Bounce (fka Metro Bikes)	
	Operation Sports LLC	Digital Media/Commerce	Enthusiast Gaming, Inc.	
	Play Raven	Digital Media/Commerce	Rovio Entertainment Ltd.	
	PostBuzz NV	Digital Media/Commerce	Roularta Media Group NV	
	Reserve Media, Inc.	Digital Media/Commerce	Resy Network, Inc.	
	Seraniti	Digital Media/Commerce	Cure Fit Healthcare Pvt. Ltd.	
	Telexis B.V.	Digital Media/Commerce	Enghouse Systems Limited	
	TicketWorld, Inc.	Digital Media/Commerce	TEG Pty. Ltd.	
	Tictail AB	Digital Media/Commerce	Shopify Inc.	
	TidyMe.com.au	Digital Media/Commerce	Oneflare Pty Ltd.	
	TravelBird	Digital Media/Commerce	Secret Escapes Ltd.	
	Trion Worlds, Inc.	Digital Media/Commerce	gamigo ag	
	Vicinity Enterprises LLC	Digital Media/Commerce	Surf Media, Inc.	
	Waitr, Inc.	Digital Media/Commerce	Landcadia Holdings, Inc.	



sclosed	Target	Target Segment	Dunion/Inconton	
			Buyer/Investor	Reported T
	Wellio, Inc.	Digital Media/Commerce	The Kraft Heinz Company	\$
	White Hinge Ltd.	Digital Media/Commerce	Dee Set Logistics Limited	
	Zombie Catchers	Digital Media/Commerce	Deca Games	
	Crowdtiz LLC	Information	Kings crowd LLC	
	Ernst Publishing Co., LLC	Information	Black Knight, Inc.	
	Noddle	Information	Credit Karma, Inc.	
	Nutrino Health Ltd.	Information	Medtronic, Inc.	
	Tabulaex	Information	Burning Glass Technologies, Inc.	
	a 2Z, Inc.	Marketing Technology	Personify Corporation	
	Active Online GmbH	Marketing Technology	Elecosoft plc	
	Adgyde Solutions Pvt Ltd.	Marketing Technology	MoMagic Technologies Pty Ltd.	
	Barometric	Marketing Technology	Claritas, LLC	
	Bizense Pte. Ltd.	Marketing Technology	Terragon Group	
	Businessworx	Marketing Technology	BLOK Technologies, Inc.	
	Canopy Labs Software, Inc.	Marketing Technology	Drop Technologies, Inc.	
	CenterStone Technologies, Inc.	Marketing Technology	PlumRiver LLC	
	Delmondo.co	Marketing Technology	Conviva, Inc.	
	DocbookMD	Marketing Technology	Medici.md	
	Growlabs.com, Inc.	Marketing Technology	AdRoll, Inc.	
	ImageQuix	Marketing Technology	Alpine SG LLC	
	IntroNet	Marketing Technology	SAM.AI	
	Jelli, Inc.	Marketing Technology	iHeartMedia, Inc.	
	Kaplan.se	Marketing Technology	Accenture plc	
	Magnetic Software	Marketing Technology	Silvers oft.co.za	
	Mexia Interactive, Inc.	Marketing Technology	SITA.aero	
	MightySignal.com	Marketing Technology	Instacart, Inc.	
	MillerTech	Marketing Technology	ClearCourse Partnership LLP	
	Multiwizz SAS	Marketing Technology	LINK Mobility Group ASA	
	Newzmate sp.z.o.o.	Marketing Technology	Piano Software, Inc.	
	PageFair Limited	Marketing Technology	Blockthrough, Inc.	
	Pixel Power Ltd.	Marketing Technology	Rohde & Schwarz	
	Real Contact LLC	Marketing Technology	BoomTown	
	Rightprice.ai	Marketing Technology	PriceEdge	
	Tixsee LLC	Marketing Technology	PumpJack Dataworks	
	Torqus Systems Pvt. Ltd.	Marketing Technology	Dineout.co.in	
	Vistadash	Marketing Technology	Car Wars	
	Welcome Commerce, Inc.	Marketing Technology	Salsify, Inc.	
	8MAN	Software	SolarWinds, Inc.	
	ACE Enterprise	Software	Bentley Systems, Inc.	
	Appthority, Inc.	Software	Symantec Corporation	
	Assembla, LLC	Software	Idera, Inc.	



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sclosed	Target	Target Segment	Buyer/Investor	Repor	rted TV
	Beam Portal	Software	Majid Al Futtaim	Ś	
	BlueData Software, Inc.	Software	HP, Inc.	Ý	
	Bluefyre	Software	Threat Stack. Inc.		
	Buildpulse	Software	CopperTree Analytics		
	Capana Sweden AB	Software	Enghouse Systems Limited		
	Cherry Advertising Limited	Software	AVENIR GLOBAL		
	Chi Engineering Services, Inc.	Software	NV5 Global, Inc.		
	Clearplan, Inc.	Software	KAR Auction Services, Inc.		
	Cognify, Inc.	Software	Tabula Rasa Healthcare, Inc.		
	Contextor SAS	Software	SAP AG		
	CoVi Analytics	Software	Charles Taylor Insuretech Limited		
	Cozy Services Ltd.	Software	CoStar Group, Inc.		
	CXO Software	Software	InsightSoftware.com, Inc.		
	Digital H2O	Software	Sourcewater, Inc.		
	Dipper Technologies Private Limited	Software	FarEve		
	EClinic24/7	Software	Medlife International Private Limited		
	e-Courier, Inc.	Software	Alpine SG LLC		
	Ensoft Limited	Software	Cisco Systems, Inc.		
	Evidox Corporation	Software	Qdiscovery LLC		
	FASTPace Software	Software	Soft-Pak Software Solutions		
	Finanz AG	Software	MoneyFarm		
	Firmify AB	Software	Cool Company Skandinavien AB		
	FSLogix, Inc.	Software	Microsoft Corporation		
	Geosoft, Inc.	Software	Seeguent Limited		
	Goji	Software	Seeman Holtz Property & Casualty LLC		
	Gowento	Software	Splio SAS		
	HealthLoop, Inc.	Software	GetWellNetwork, Inc.		
	Heptio, Inc.	Software	VMware, Inc.		
	HTBase Corp.	Software	Juniper Networks, Inc.		
	Inobas GmbH	Software	STP Informationstechnologie AG		
	Insyston.com.au	Software	White Clarke Group Limited		
	Interactive Solutions, Inc.	Software	AVI-SPL, Inc.		
	Medical Networking, Inc.	Software	MJH Associates		
	MVP Systems Software, Inc.	Software	HelpSystems, LLC		
	National Crime Check Pty Ltd.	Software	Sterling Talent Solutions		
	NetMinder	Software	Zelis Healthcare Corporation		
	Netwinder Nidasu Pty. Ltd.	Software	Infomedia Ltd.		
	Nidasu Pty. Ltd. NooBaa, Inc.	Software	Red Hat, Inc.		
	octimine technologies GmbH	Software	The Dennemeyer Group		
	OvalEdge	Software	FutureTech Holding Company		
	Parallels IP Holdings GmbH	Software	Corel Corporation		
	Parallels IP Holdings GmbH Plotwatt, Inc.	Software	American Efficient. Inc.		



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disclosed	Target	Target Segment	Buyer/Investor	Reported T
	PrecisionAccess	Software	Verizon Communications, Inc.	\$
	Safelayer Secure Communications S.A.	Software	Entrust Datacard Corporation	
	Silk Labs, Inc.	Software	Apple Inc.	
	Stewardship Technology, Inc.	Software	Paya, Inc.	
	StopLift Checkout Vision Systems	Software	NCR Corporation	
	Stratagem Technologies	Software	Blockchain.com	
	Talari Networks	Software	Oracle Corporation	
	TalentShare	Software	The Muse	
	Technology Resource Associates	Software	KEV Group	
	Telairity, Inc.	Software	VITEC Multimedia	
	Three Sigma Software, Inc.	Software	GCOM Software, Inc.	
	TRUSTID, Inc.	Software	NeuStar, Inc.	
	Voicefox Ltd.	Software	Showpad, Inc.	
	XOXCO, Inc.	Software	Microsoft Corporation	
	Yellow Brand Protection AB	Software	Corsearch, Inc.	
	Art Media Holdings LLC	Traditional Media	Penske Media Corporation	
	BayFest	Traditional Media	Hub Music Factory Srl	
	Esprit Magazine	Traditional Media	The Intermedia Group Pty. Ltd.	
	FishFlix.com	Traditional Media	Generos Media Group	
	Healthcare Informatics Group	Traditional Media	Endeavor Business Media LLC	
	Inkjet Sumit and Digital Packaging Summit	Traditional Media	NAPCO Media	
	Matador Content LLC	Traditional Media	Boat Rocker Media, Inc.	
	Medical Pay Review, Inc.	Traditional Media	Protolytic LLC	
	Metafora Publishing House	Traditional Media	GRADA Publishing a.s.	
	MP3 Disgues	Traditional Media	Quebecor, Inc.	
	Paradise Publishers	Traditional Media	Stirling Corp.	
	Progressive Business Media	Traditional Media	New Media Investment Group, Inc.	
	Snap Global LLC	Traditional Media	Hemisphere Media Group, Inc.	
	SnowGlobe Music Festival	Traditional Media	MTV Networks	
	SSE Audio Group Limited	Traditional Media	Solotech, Inc.	
	Synchron GmbH	Traditional Media	BTI Studios AB	
	The Goldsboro News-Argus	Traditional Media	Paxton Media Group LLC	
	Zest Books LLC	Traditional Media	Lerner Publishing Group	



Apptio, Inc. Software Vista Equity Partners 1,8	
athenahealth, Inc. Software Veritas Capital \$ 5,6 Apptio, Inc. Software Vista Equity Partners 1,8	
Apptio, Inc. Software Vista Equity Partners 1,8	
	644.0
	367.2
ConvergeOne, Inc. Business Services CVC Capital Partners Ltd. 1,7	00.0
Jostens, Inc. Digital Media/Commerce Platinum Equity, LLC 1,3	0.00
Veracode, Inc. Software Thoma Bravo, Inc. 9	50.0
MobFox Mobile Advertising GmbH Digital Advertising Tightline Holdings Limited	7.5
Buyout Deals	
Undisclosed Target Target Segment Buyer/Investor Reported	τν
ACES INCORPORATED Business Services Enlightenment Capital \$	
	-
Eliassen Group, LLC Business Services Stone Point Capital, LLC	-
Interfolio, Inc. Business Services Insight Venture Partners	-
Jane Lewis Business Services Montreaux Healthcare Fund	-
Rocaton Investment Advisors Business Services Goldman Sachs Asset Management, L.P.	-
SRS Acquiom, Inc. Business Services Lovell Minnick Partners LLC	-
The Kleinfelder Group, Inc. Business Services Wind Point Partners	-
TrustTeam NV Business Services Ardian SA	-
Constructive Media, LLC Digital Media/Commerce Sandbox & Co.	-
Sundance Catalog Company, Inc. Digital Media/Commerce Webster Capital	-
Autonomous Research LLP Information AllianceBernstein L.P.	-
LiveEdit Marketing Technology Nuel Capital	-
Miles 33 Ltd Marketing Technology Ethos Capital Partners	-
SCHEMA Group Marketing Technology IK Investment Partners	-
SHIFT.io Marketing Technology Marlin Equity Partners	-
Tempo Software ehf Marketing Technology Diversis Capital	-
Adhoc-Infos.de Software Capital Lounge	-
ClearFactr.com Software Goldman Sachs Merchant Banking	-
Fleet Complete Software Ontario Teachers' Pension Plan	-
InSight Telepsychiatry Software Harbourpoint Capital	-
Netatmo SAS Software Iris Capital	-
BigCityBeats GmbH Traditional Media Beyond Capital Partners	-
Bobit Business Media Traditional Media Gemspring Capital LLC	-



VC/Growth Capital				
Values Disclosed	Target	Target Segment	Buyer/Investor	Reported TV
	Coupang.com	Digital Media/Commerce	SoftBank Corporation	\$ 2,000.0
	NetEase Cloud Music	Digital Media/Commerce	General Atlantic, LLC	600.0
	Getty Images, Inc.	Digital Media/Commerce	Koch Equity Development	500.0
	iFood	Digital Media/Commerce	Innova Capital	500.0
	DeepMap, Inc.	Software	Generation Investment Management LLP	450.0
	Zume Pizza, Inc.	Digital Media/Commerce	SoftBank Capital	375.0
	Xinchao Media	Traditional Media	Baidu, Inc.	300.0
	Automation Anywere, Inc.	Software	SoftBank Corporation	300.0
	Instacart, Inc.	Digital Media/Commerce	Tiger Global Management, LLC	271.0
	GrabTaxi Pte. Ltd.	Digital Media/Commerce	Hyundai Motor Company	250.0
	Plusgrade LLP	Marketing Technology	CDPQ	200.0
	WuXi NextCODE	Information	Sequoia Capital	200.0
	Netskope, Inc.	Software	Lightspeed Venture Partners	168.7
	ServiceTitan, Inc.	Software	Index Ventures	165.0
	Nested	Digital Media/Commerce	Northzone	154.2
	TripActions, Inc.	Software	Andreessen Horowitz	154.0
	Airtable	Software	Thrive Capital	152.0
	Peilian.com	Business Services	Tencent Holdings Ltd.	150.0
	Propertyfinder.ae	Digital Advertising	General Atlantic, LLC	120.0
	Sojern, Inc.	Marketing Technology	Technology Crossover Ventures	120.0
	BlablaCar.com	Digital Media/Commerce	SNCF Mobilities Group	114.5
	Oriente.com	Software	JG Summit Holdings	105.0
	Venafi, Inc.	Software	QuestMark Partners	100.0
	Sezzle, Inc.	Software	Bastion Capital	100.0
	Poynt Co.	Software	National Australia Bank, Ltd.	100.0
	HashiCorp	Software	GGV Capital	100.0
	Wave Computing	Software	Oakmont Corporation	86.0
	Deputy.com	Software	OpenView Venture Partners	81.0
	Bitfury Holding B.V.	Software	Dentsu Aegis Network, Inc.	80.0
	Neo4j, Inc.	Software	One Peak Partners	80.0
	Zopa Ltd.	Digital Media/Commerce	Undisclosed	78.7
	Baifendian Corporation	Software	National Fund	72.0
	Aras Corporation	Software	Goldman Sachs Merchant Banking	70.0
	Agora.io	Marketing Technology	Coatue Management, LLC	70.0
	Dia & Co.	Digital Media/Commerce	Union Square Ventures	70.0
	Hippo Insurance Services	Digital Media/Commerce	Felicis Ventures	70.0
	Clearbanc Finance Technology Corp.	Software	Emergence Capital Partners	70.0
	QuintoAndar Ltd.	Digital Advertising	General Atlantic, LLC	64.0
	Deskera	Software	Jungle Ventures	60.0
	Lightricks Ltd.	Marketing Technology	Insight Venture Partners	60.0
	Turvo, Inc.	Software	Felicis Ventures	60.0
	Social Solutions, Inc.	Software	Ballmer Group	59.0
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VC/Growth Capital					
Values Disclosed	Target	Target Segment	Buyer/Investor	Repor	ted TV
	Asana	Software	8VC	\$	50.0
	Topica Edtech Group	Business Services	The NorthStar Group		50.0
	Workable Software Limited	Software	Endeavor Catalyst		50.0
	VOI Technology AB	Digital Media/Commerce	LocalGlobe		50.0
	Mojo Vision, Inc.	Software	New Enterprise Associates		50.0
	GrabTaxi Pte. Ltd.	Digital Media/Commerce	Kasikornbank		50.0
	Meesho.com	Digital Media/Commerce	Y Combinator		50.0
	FinLeap GmbH	Business Services	Ping An Ventures		47.0
	InstaReM Pty Ltd.	Software	Vertex Venture Capital		45.0
	MapAnything	Software	Salesforce Ventures		42.5
	quip	Digital Media/Commerce	Sherpa Capital		40.0
	Primer Technologies, Inc.	Software	Lux Capital Management		40.0
	Standard Cognition Corporation	Software	CRV		40.0
	Dragos, Inc.	Software	Canaan Partners		37.0
	Axoni	Software	HSBC Holdings		36.0
	Compare.com Insurance Agency, LLC	Digital Advertising	(Private Investors)		35.0
	Wine.com, Inc.	Digital Media/Commerce	Goldman Sachs Merchant Banking		32.5
	Jump Technologies, Inc.	Software	Black Granite Capital		32.0
	Wonolo, Inc.	Digital Media/Commerce	Bain Capital Ventures		32.0
	Velox Ltd.	Business Services	JAL Ventures		32.0
	PlayVS, Inc.	Digital Media/Commerce	New Enterprise Associates		30.5
	CyberGRX	Software	Scale Venture Partners		30.0
	OpenLegacy, Inc.	Business Services	Silverhorn Investment Advisors		30.0
	Samanage Ltd.	Software	Expansion Capital Partners, LLC.		30.0
	RapidSOS, Inc.	Software	Highland Capital Partners		30.0
	StarMaker Interactive	Digital Media/Commerce	Opera Limited		30.0
	Airobotics, Ltd.	Software	BlueRun Ventures		30.0
	RingDNA, Inc.	Marketing Technology	Goldman Sachs Merchant Banking		30.0
	Engineer.ai	Software	Jungle Ventures		29.5
	Vicis, Inc.	Digital Media/Commerce	Rx3 Ventures		28.5
	UNICAF	Business Services	Goldman Sachs Merchant Banking		28.0
	RideCell, Inc.	Digital Media/Commerce	Undisclosed		28.0
	Plastiq, Inc.	Software	Kleiner Perkins Caufield & Byers		27.0
	ClearDATA Networks, Inc.	Software	Humana, Inc.		26.0
	Shape Security, Inc.	Software	Norwest Venture Partners		26.0
	RealtimeBoard Inc.	Software	Altair Capital		25.0
	ScienceLogic, Inc.	Software	Square 1 Bank		25.0
	Framer.com	Software	Accel Partners		24.0
	You.i TV	Software	Causeway Media Partners		23.0
	Tigets	Digital Media/Commerce	HPE Growth Capital		23.0
	Mayvenn, Inc.	Digital Media/Commerce	Essence Ventures		23.0
	Wind Mobility GmbH	Digital Media/Commerce	HV Holtzbrinck Ventures		22.0



VC/Growth Capital					
Values Disclosed	Target	Target Segment	Buyer/Investor	Reporte	d TV
	XM Cyber Ltd.	Software	Macquarie Capital Limited	\$	22.0
	Rockset, Inc.	Software	Greylock Partners		21.5
	Force Therapeutics LLC	Software	Insight Venture Partners		21.0
	Oncology Analytics, Inc.	Software	McKesson Ventures		21.0
	BioInformatics, Inc.	Business Services	BroadOak Capital Partners		21.0
	Drive zy.com	Digital Media/Commerce	DAS Capital		20.0
	eko Communications, Inc.	Software	Gobi Partners		20.0
	EmergeTMS	Software	Greycroft Partners LLC		20.0
	Airspace Technologies, Inc.	Software	Scale Venture Partners		20.0
	KuCoin.com	Software	IDG Capital Partners		20.0
	ClearSky Data	Software	General Catalyst Partners LLC		20.0
	Taranis	Software	Viola Ventures		20.0
	botkeeper, Inc.	Software	Greycroft Partners LLC		18.0
	Prose, Inc.	Digital Media/Commerce	Insight Venture Partners		18.0
	PropelPLM, Inc.	Marketing Technology	Norwest Venture Partners		18.0
	4iQ	Software	C5 Capital		18.0
	Rael, Inc.	Digital Media/Commerce	BAM Ventures		17.5
	Transit App, Inc.	Digital Media/Commerce	Accel Partners		17.5
	Zenjob GmbH	Digital Media/Commerce	Redalpine Venture Partners AG		17.1
	Bidroom	Digital Media/Commerce	Undisclosed		17.0
	HolidayMe	Digital Media/Commerce	Accel Partners		16.0
	Zero Financial, Inc.	Software	New Enterprise Associates		16.0
	Overwolf Ltd.	Digital Media/Commerce	Intel Capital		16.0
	Apex.Al	Software	Lightspeed Venture Partners		15.5
	LeanTaaS	Software	Insight Venture Partners		15.0
	Templafy ApS	Marketing Technology	Insight Venture Partners		15.0
	Dapper Labs, Inc.	Digital Media/Commerce	Andreessen Horowitz		15.0
	KaDa Story	Business Services	Trustbridge Partners		14.4
	DBSec	Software	Delian Capital		14.3
	Huddle Insurance Pty Ltd.	Software	AirTree Ventures		14.1
	Liangzibao.cn	Digital Media/Commerce	Titan Ventures		14.0
	Fraugster Ltd.	Software	CommerzVentures		14.0
	Vizolution	Marketing Technology	HSBC Holdings		13.4
	MondoBrain	Software	Japia Finamar		13.3
	ModoPayments	Software	Deutsche Bank Group		13.0
	Form3 Financial Cloud	Software	Draper Espirit		13.0
	Italic, Inc.	Digital Media/Commerce	Comcast Ventures		13.0
	Securitize, Inc.	Software	Blockchain Capital		12.8
	PlayerLync, LLC	Software	Anschutz Investments		12.5
	Cameo.com	Digital Media/Commerce	Lightspeed Venture Partners		12.0
	DWNLD	Marketing Technology	Greylock Partners		12.0
	Sam Seamless Network Ltd.	Software	Intel Capital		12.0



VC/Growth Capital					
Values Disclosed	Target	Target Segment	Buyer/Investor	Reported 1	TV
	Edo.com	Marketing Technology	Breyer Capital		12.0
	Wizbii SAS	Digital Advertising	CapHorn Invest		11.3
	Credimi S.p.A.	Software	United Ventures		11.3
	Crowdcube Limited	Software	Draper Espirit		11.2
	Vedantu Innovations Pvt. Ltd.	Business Services	Omidyar Network		11.0
	Trifo, Inc.	Software	Undisclosed		11.0
	Click & Grow LLC	Digital Media/Commerce	SEB Alliance		11.0
	IntelyCare, Inc.	Software	Longmeadow Capital Partners		10.8
	Festicket Ltd.	Digital Media/Commerce	Beringea LLC		10.5
	Corvus Insurance Agency LLC	Software	.406 Ventures, LLC		10.0
	Aquant, Inc.	Software	Lightspeed Venture Partners		10.0
	Mech Mocha Game Studios	Digital Media/Commerce	Accel Partners		10.0
	Isara Corporation	Software	Shasta Ventures		10.0
	Kaloom, Inc.	Software	FTQ		10.0
	Pachyderm, Inc.	Software	Benchmark Capital		10.0
	Self Lender, Inc.	Software	Altos Ventures		10.0
	WalkMe, Inc.	Software	EDB Investments Pte. Ltd.		10.0
	Simple Habit, Inc.	Digital Media/Commerce	Foundation Capital		10.0
	Datacoral, Inc.	Software	Madrona Venture Group		10.0
	Quantela, Inc.	Software	Digital Alpha		10.0
	UNIKEN, Inc.	Software	(Private Investors)		10.0
	PressLogic Limited	Marketing Technology	Meituan-Dianping		10.0
	PredictHQ Ltd.	Software	Lightspeed Venture Partners		10.0
	Inpher, Inc.	Software	JP Morgan Chase & Co.		10.0
	Setter Home Services	Digital Media/Commerce	Sequoia Capital		10.0
	ShipMonk, Inc.	Software	Grotech Ventures		10.0
	Tock LLC	Marketing Technology	Valor Equity Partners		9.5
	GlobalTix Pte. Ltd.	Marketing Technology	Tin Men Capital Private Limited		9.0
	Charlie Finance Co.	Marketing Technology	Propel Venture Partners		9.0
	Visor	Software	Universal Ventures		9.0
	CHAOSSEARCH, Inc.	Marketing Technology	.406 Ventures, LLC		9.0
	Opternative, Inc.	Software	Pritzker Group		9.0
	Partnerize	Marketing Technology	GP Bullhound		9.0
	Cognigo Research Ltd.	Software	OurCrowd		8.5
	Birdie Care Services	Software	AXA SA		8.5
	Plus One Robotics, Inc.	Software	Pritzker Group		8.3
	TeleClinic GmbH	Software	Idinvest Partners		8.0
	Numerated Growth Technologies	Software	Venrock Associates		8.0
	Tripledot Studios Ltd.	Digital Media/Commerce	Velo Partners		8.0
	Heyday, Inc.	Digital Media/Commerce	Fifth Wall Ventures		8.0
	Votiro, Inc.	Software	Senetas		8.0
	quantilope GmbH	Software	Dawn Capital		8.0
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Values Disclored Taget Segment Bue//Investor Reported TV Name Software Grossink Capital \$	VC/Growth Capital					
YotaScale, Inc.SoftwareCossink Capital8.0Evoke Cravie Ltd.Traditional MediaBGF7.7Understory, Inc.Information4490 Ventures7.5Saw TechnologySoftwareEastward Capital Partners, LLC7.5ZizooDigital Media/CommerceRevo Capital Partners, LLC7.5Bite J Legal, Inc.SoftwareRelay Ventures7.0Banuba LimitedSoftwareIntel Capital7.0AddeiaSoftwareIntel Capital7.0Ibanfirst.comSoftwareUnork Capital7.0QuantitationSoftwareOncork Capital7.0Mya LabsDigital Media/CommerceUnork Capital7.0Mya LabsDigital Media/CommerceUnork Capital7.0Mya LabsSoftwarePartnerg Ventures6.8Off TechnologyBol6.66.6LianStreet, Inc.SoftwareNared Sotted6.6InortSoftwareNared Sotted6.5InortSoftwareNared Sotted6.5InortSoftwareNared Sotted6.5InortSoftwareNared Sotted6.5InortSoftwareNared Sotted6.5InortSoftwareNared Souted6.5InortSoftwareNared Souted6.5InortSoftwareNared Souted6.5InortSoftwareNared Souted6.5InortSoftwareNared Souted6.5InortS	Values Disclosed	Target	Target Segment	Buyer/Investor	Repor	ted TV
YotaScale, Inc.SoftwareCossink Capital8.0Evoke Cravie Ltd.Traditional MediaBGF7.7Understory, Inc.Information4490 Ventures7.5Saw TechnologySoftwareEastward Capital Partners, LLC7.5ZizooDigital Media/CommerceRevo Capital Partners, LLC7.5Bite J Legal, Inc.SoftwareRelay Ventures7.0Banuba LimitedSoftwareIntel Capital7.0AddeiaSoftwareIntel Capital7.0Ibanfirst.comSoftwareUnork Capital7.0QuantitationSoftwareOncork Capital7.0Mya LabsDigital Media/CommerceUnork Capital7.0Mya LabsDigital Media/CommerceUnork Capital7.0Mya LabsSoftwarePartnerg Ventures6.8Off TechnologyBol6.66.6LianStreet, Inc.SoftwareNared Sotted6.6InortSoftwareNared Sotted6.5InortSoftwareNared Sotted6.5InortSoftwareNared Sotted6.5InortSoftwareNared Sotted6.5InortSoftwareNared Sotted6.5InortSoftwareNared Souted6.5InortSoftwareNared Souted6.5InortSoftwareNared Souted6.5InortSoftwareNared Souted6.5InortSoftwareNared Souted6.5InortS						
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Understory, Inc.Information4490 Ventures7.5Savi TechnologySoftwareEastward Capital Partners, LLC7.5ZizooDigital Media/CommerceRev Capital7.4Bue Jegal, Inc.SoftwareRelay Ventures7.0Banuba LimitedSoftwareLarabel Ventures7.0IdadieioSoftwareLarabel Ventures7.0IdadieioSoftwareLarabel Ventures7.0Idantist.comDigital Media/CommerceCartant, Inc.7.0Maia LaisDigital Media/CommerceZetta Venture Partners6.8Adgit, Inc.Digital Media/CommerceZetta Venture Partners6.8Fleetondemand LimitedMarketing TechnologyBiof6.6Fleetondemand LimitedSoftwarePortag3 Ventures6.5Soft Fleetondemand LimitedSoftwareMarching Technology6.5John Fleetondemand LimitedSoftwareMarching Technology6.5John Fleetondemand LimitedSoftwareNova Partners6.5PartnersSoftwareNova Partners6.5Digital Media/CommerceNarden SoftwareNova Partners6.5SoftwareDigital Media/CommerceKanet6.5Digital Media/CommerceCapital One Growth Ventures6.0Digital Media/CommerceKanet6.5PoblePostDigital Media/CommerceCapital One Growth Ventures6.0Digital Media/CommerceCapital One Growth Ventures6.0Digital Media/CommerceCapit						
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Argent Labs LimitedSoftwareIndex VenturesEnboarder.Me Pty Ltd.SoftwareGreycroft Partners LLCBOU Brands LLCDigital Media/Commerce(Private Investors)Bunch.liveDigital Media/CommerceFounders FundAnalytical Flavor Systems, Inc.InformationLeawood Venture CapitalDrivetime, Inc.Digital Media/CommerceFelicis VenturesRoad Botics, Inc.Digital Media/CommerceHyperplane Venture Capitalyu life Ltd.Digital Media/CommerceLocalGlobeHotelmize Ltd.Digital Media/CommerceInvestiblePoint Inside, Inc.SoftwareVestech PartnersOzcode Ltd.SoftwareVestech PartnersDormify, Inc.Digital Media/CommerceAmerican Eagle OutfittersOneDome Ltd.Traditional MediaEvolve FoundationJourny, Inc.Digital Media/CommerceMenical Eagle OutfittersGydeSoftwareRed Sea VenturesPhar, Inc.Norwest VenturesNifty GamesDigital Media/CommerceNifty GamesDigital Media/CommerceNifty GamesDigital Media/Commerce		Building Intelligence, Inc.	Software	Founders Equity, Inc.		4.1
Enboarder.Me Pty Ltd.SoftwareGreycroft Partners LLCBOU Brands LLCDigital Media/Commerce(Private Investors)Bunch.liveDigital Media/CommerceFounders FundAnalytical Flavor Systems, Inc.InformationLeawood Venture CapitalDrivetime, Inc.Digital Media/CommerceFelicis VenturesRoadBotics, Inc.Digital Media/CommerceHyperplane Venture Capitalyu life Ltd.Digital Media/CommerceLocalGlobePoint Inside, Inc.SoftwareVestech PartnersOzCode Ltd.SoftwareTPY CapitalDormify, Inc.Digital Media/CommerceUndisclosedOneDome Ltd.Traditional MediaEvolve FoundationJourny, Inc.Digital Media/CommerceUndisclosedOrdy Inc.Digital Media/CommerceMenican Eagle OutfittersOurny, Inc.Digital Media/CommerceMenicolosedOurny, Inc.Digital Media/CommerceMenio VenturesClydeSoftwareRed Sea VenturesPhiar, Inc.SoftwareRed Sea VenturesNifty GamesDigital Media/CommerceMenio VenturesNifty GamesDigital Media/CommerceMenio Ventures		CognitionX Ltd.	Information	Unilever Ventures		4.1
BOU Brands LLCDigital Media/Commerce(Private Investors)Bunch.liveDigital Media/CommerceFounders FundAnalytical Flavor Systems, Inc.InformationLeawood Venture CapitalDrivetime, Inc.Digital Media/CommerceFelicis VenturesRoadBotics, Inc.SoftwareHyperplane Venture Capitalyu life Ltd.Digital Media/CommerceLocalGlobeHotelmize Ltd.Digital Media/CommerceLocalGlobePoint Inside, Inc.SoftwareVestech PartnersOzCode Ltd.SoftwareVestech PartnersDringi, Inc.Digital Media/CommerceUndistresOrcode Ltd.SoftwareVestech PartnersOrnify, Inc.Digital Media/CommerceUndistresOne Dome Ltd.Traditional MediaEvolve FoundationJourny, Inc.Digital Media/CommerceMenlo VenturesClydeSoftwareRed Sea VenturesPhiar, Inc.SoftwareNorwest Venture PartnersNifty GamesDigital Media/CommerceMarch Capital		Argent Labs Limited	Software	Index Ventures		4.0
Bunch.liveDigital Media/CommerceFounders FundAnalytical Flavor Systems, Inc.InformationLeawood Venture CapitalDrivetime, Inc.Digital Media/CommerceFelicis VenturesRoadBotics, Inc.SoftwareHyperplane Venture Capitaly life Ltd.Digital Media/CommerceLocalGlobeHotelmize Ltd.Digital Media/CommerceInvestiblePoint Inside, Inc.SoftwareVestech PartnersOzCode Ltd.SoftwareTPY CapitalDornify, Inc.Digital Media/CommerceUndisclosedCrisp BVDigital Media/CommerceUndisclosedOneDome Ltd.Traditional MediaEvolve FoundationJourny, Inc.Digital Media/CommerceMenio VenturesClydeSoftwareRed Sea VenturesPhiar, Inc.SoftwareNorwest VenturesPhiar, Inc.SoftwareNorwest VenturesNifty GamesDigital Media/CommerceMarch Capital		Enboarder.Me Pty Ltd.	Software	Greycroft Partners LLC		4.0
Analytical Flavor Systems, Inc.InformationLeawood Venture CapitalDrivetime, Inc.Digital Media/CommerceFelicis VenturesRoadBotics, Inc.SoftwareHyperplane Venture Capitalyu life Ltd.Digital Media/CommerceLocal GlobeHotelmize Ltd.Digital Media/CommerceInvestiblePoint Inside, Inc.SoftwareVestech PartnersOzcode Ltd.SoftwareTPY CapitalDormify, Inc.Digital Media/CommerceUndisclosedOneDome Ltd.Traditional MediaEvolve FoundationJourny, Inc.Digital Media/CommerceMenlo VenturesClydeSoftwareRed Sea VenturesPhiar, Inc.SoftwareNorwest Venture PartnersNifty GamesDigital Media/CommerceMarch Capital		BOU Brands LLC	Digital Media/Commerce	(Private Investors)		4.0
Drivetime, Inc.Digital Media/CommerceFelicis VenturesRoadBotics, Inc.SoftwareHyperplane Venture Capitalyu life Ltd.Digital Media/CommerceLocalGlobeHotelmize Ltd.Digital Media/CommerceInvestiblePoint Inside, Inc.SoftwareVestech PartnersOzCode Ltd.SoftwareTPY CapitalDormify, Inc.Digital Media/CommerceUndisclosedOneDome Ltd.Digital Media/CommerceUndisclosedJourny, Inc.Digital Media/CommerceUndisclosedClydeSoftwareSoftwarePhiar, Inc.Digital Media/CommerceMenlo VenturesResSoftwareRes VenturesNorwest Venture SoftwareNorwest Venture PartnersNifty GamesDigital Media/CommerceMarch Capital		Bunch.live	Digital Media/Commerce	Founders Fund		4.0
RoadBotics, Inc.SoftwareHyperplane Venture Capitalyu life Ltd.Digital Media/CommerceLocalGlobeHotelmize Ltd.Digital Media/CommerceInvestiblePoint Inside, Inc.SoftwareVestech PartnersOzcode Ltd.SoftwareTPY CapitalDormify, Inc.Digital Media/CommerceAmerican Eagle OutfittersOneDome Ltd.Digital Media/CommerceUndisclosedJourny, Inc.Digital Media/CommerceWestove FoundationIduary, Inc.Digital Media/CommerceMenlo VenturesCiybeSoftwareRed Sea VenturesIduary, Inc.Digital Media/CommerceMenlo VenturesPhiar, Inc.SoftwareRed Sea Venture PartnersNifty GamesDigital Media/CommerceNorwest Venture Partners		Analytical Flavor Systems, Inc.	Information	Leawood Venture Capital		4.0
yu life Ltd.Digital Media/CommerceLocal GlobeHotelmize Ltd.Digital Media/CommerceInvestiblePoint Inside, Inc.SoftwareVestech PartnersOzCode Ltd.SoftwareTPY CapitalDormify, Inc.Digital Media/CommerceAmerican Eagle OutfittersCrisp BVDigital Media/CommerceUndisclosedOneDome Ltd.Traditional MediaEvolve FoundationJourny, Inc.Digital Media/CommerceMenlo VenturesClydeSoftwareRed Sea VenturesPhiar, Inc.SoftwareNorwest Venture PartnersNifty GamesDigital Media/CommerceMarch Capital		Drivetime, Inc.		Felicis Ventures		4.0
Hotelmize Ltd.Digital Media/CommerceInvestiblePoint Inside, Inc.SoftwareVestech PartnersOzCode Ltd.SoftwareTPY CapitalDormify, Inc.Digital Media/CommerceAmerican Eagle OutfittersCrisp BVDigital Media/CommerceUndisclosedOneDome Ltd.Traditional MediaEvolve FoundationJourny, Inc.Digital Media/CommerceMenlo VenturesClydeSoftwareRed Sea VenturesPhiar, Inc.SoftwareNorwest Venture PartnersNifty GamesDigital Media/CommerceMarch Capital		RoadBotics, Inc.	Software	Hyperplane Venture Capital		3.9
Point Inside, Inc.SoftwareVestech PartnersOzCode Ltd.SoftwareTPY CapitalDormify, Inc.Digital Media/CommerceAmerican Eagle OutfittersCrisp BVDigital Media/CommerceUndisclosedOneDome Ltd.Traditional MediaEvolve FoundationJourny, Inc.Digital Media/CommerceMenlo VenturesClydeSoftwareRed Sea VenturesPhiar, Inc.SoftwareNorwest Venture PartnersNifty GamesDigital Media/CommerceMarch Capital		yu life Ltd.	Digital Media/Commerce	LocalGlobe		3.9
OzCode Ltd.SoftwareTPY CapitalDormify, Inc.Digital Media/CommerceAmerican Eagle OutfittersCrisp BVDigital Media/CommerceUndisclosedOneDome Ltd.Traditional MediaEvolve FoundationJourny, Inc.Digital Media/CommerceMenlo VenturesClydeSoftwareRed Sea Venture SantaresPhiar, Inc.SoftwareNorwest Venture PartnersNifty GamesDigital Media/CommerceMarch Capital		Hotelmize Ltd.	Digital Media/Commerce	Investible		3.8
Dormify, Inc.Digital Media/CommerceAmerican Eagle OutfittersCrisp BVDigital Media/CommerceUndisclosedOneDome Ltd.Traditional MediaEvolve FoundationJourny, Inc.Digital Media/CommerceMenlo VenturesClydeSoftwareRed Sea Venture SantaresPhiar, Inc.SoftwareNorwest Venture PartnersNifty GamesDigital Media/CommerceMarch Capital		Point Inside, Inc.	Software	Vestech Partners		3.5
Crisp BVDigital Media/CommerceUndisclosedOneDome Ltd.Traditional MediaEvolve FoundationJourny, Inc.Digital Media/CommerceMenlo VenturesClydeSoftwareRed Sea VenturesPhiar, Inc.SoftwareNorwest Venture PartnersNifty GamesDigital Media/CommerceMarch Capital		OzCode Ltd.	Software	TPY Capital		3.5
OneDome Ltd.Traditional MediaEvolve FoundationJourny, Inc.Digital Media/CommerceMenlo VenturesClydeSoftwareRed Sea VenturesPhiar, Inc.SoftwareNorwest Venture PartnersNifty GamesDigital Media/CommerceMarch Capital		Dormify, Inc.	Digital Media/Commerce	American Eagle Outfitters		3.5
Journy, Inc.Digital Media/CommerceMenlo VenturesClydeSoftwareRed Sea VenturesPhiar, Inc.SoftwareNorwest Venture PartnersNifty GamesDigital Media/CommerceMarch Capital		Crisp BV	Digital Media/Commerce	Undisclosed		3.4
ClydeSoftwareRed Sea VenturesPhiar, Inc.SoftwareNorwest Venture PartnersNifty GamesDigital Media/CommerceMarch Capital		OneDome Ltd.	Traditional Media	Evolve Foundation		3.3
Phiar, Inc. Software Norwest Venture Partners Nifty Games Digital Media/Commerce March Capital		Journy, Inc.	Digital Media/Commerce	Menlo Ventures		3.2
Nifty Games Digital Media/Commerce March Capital		Clyde	Software	Red Sea Ventures		3.0
		Phiar, Inc.	Software	Norwest Venture Partners		3.0
Genesis Global Technology Limited Software Illuminate Financial Management			Digital Media/Commerce	March Capital		3.0
		Genesis Global Technology Limited	Software	Illuminate Financial Management		3.0
PharmaCCX Marketing Technology Accel Partners		PharmaCCX	Marketing Technology	Accel Partners		3.0
ItsACheckmate.com, Inc. Marketing Technology Tiger Global Management, LLC		ItsACheckmate.com, Inc.	Marketing Technology	Tiger Global Management, LLC		3.0
Health iPASS, Inc. Software QED Investors LLC		Health iPASS, Inc.	Software	QED Investors LLC		3.0
Birdylabs SAS Digital Media/Commerce Rising Sun Ventures		Birdylabs SAS	Digital Media/Commerce	Rising Sun Ventures		3.0



VC/Growth Capital				
Values Disclosed	Target	Target Segment	Buyer/Investor	Reported TV
	AND Global LLC	Software		\$ 2.8
	Censys, Inc.	Software	Google Ventures	2.6
	Nova Leah Ltd.	Software	Bank of Ireland - Media Finance	2.6
	HeleCloud Ltd.	Business Services	BGF	2.6
	Keyto, Inc.	Digital Media/Commerce	Craft Ventures	2.5
	Guardian Optical Technologies Ltd.	Software	Union Ventures	2.5
	Kukua.me	Business Services	EchoVC	2.5
	EquiFi	Software	Intero Real Estate	2.5
	Lone Rooftop Bv	Software	Nimbus Ventures	2.5
	JOOX Music	Digital Media/Commerce	Rokk3r, Inc.	2.3
	Exein SpA	Software	United Ventures	2.3
	Educative, Inc.	Business Services	Trilogy Equity Partners, LLC	2.3
	Precision OS Technology, Inc.	Software	AO Invest	2.3
	DUST Identity, Inc.	Software	Kleiner Perkins Caufield & Byers	2.3
	Shogun Labs, Inc.	Marketing Technology	Y Combinator	2.1
	Admix	Marketing Technology	Suir Valley Ventures	2.1
	Rehersal	Business Services	Cypress Growth Capital	2.0
	NeuroFlow, Inc.	Software	Independence Blue Cross	2.0
	HYAS Infosec, Inc.	Software	Silicon Valley Bank	2.0
	Vitcord	Digital Media/Commerce	Banc Sabadell	2.0
	Feedr Ltd.	Digital Media/Commerce	Episode 1 Ventures	2.0
	WeRecover LLC	Digital Advertising	Crosslink Capital	2.0
	IDELIC Tech & SafetyBox	Software	Bain Capital Ventures	2.0
	Clik Payment (Cambodia) Co. Ltd.	Software	OpenWay Europe	2.0
	King Children	Digital Media/Commerce	Great Oaks Venture Capital	2.0
	Banked	Software	Backed VC	1.9
	EduMe Ltd.	Business Services	Connect Ventures	1.8
	MedPilot, Inc.	Software	Valley Growth Ventures	1.7
	MioAssicuratore Srl	Digital Advertising	Innogest SGR	1.7
	Banked.com	Information	Backed VC	1.7
	Attribytes, Inc.	Software	Tailwave Capital	1.7
	Oji Life Lab, Inc.	Business Services	Evolve Venture	1.7
	Portify Ltd.	Software	Kindred Capital	1.7
	Shopfront Limited	Software	Omidyar Network	1.6
	Aiden.ai	Marketing Technology	Partech Ventures	1.6
	Swet Tailor, Inc.	Digital Media/Commerce	Burch Creative Capital	1.5
	Knack Technologies, Inc.	Business Services	(Private Investors)	1.5
	Sastaticket.pk	Digital Media/Commerce	Gobi Partners	1.5
	Scala Computing, Inc.	Software	Undisclosed	1.5
	Kinvolved, Inc.	Software	Draper Richards Kaplan Foundation	1.5
	Around Media	Software	Green Park Investment Partners (Wim Vernaeve)	1.4
	Logical Clocks AB	Software	Frontline Ventures	1.4



VC/Growth Capital Values Disclosed	Target	Target Segment	Buyer/Investor	Repor	ted TV
	VenueScanner Ltd.	Digital Media/Commerce	(Private Investors)	\$	1.3
	Wluper Ltd.	Marketing Technology	IQ Capital Partners LLP		1.3
	Neotas Ltd.	Software	Force Over Mass Capital		1.3
	Living Security, Inc.	Business Services	Active Capital		1.3
	ShoppingGives	Software	Asset Blue		1.2
	Sift Healthcare, Inc.	Software	Winnebago Capital Partners		1.0

VC/Growth Capital				
Undisclosed	Target	Target Segment	Buyer/Investor	Reported TV
	Target Media Nusantara	Agency & Marketing Services	Alpha JWC Ventures	\$ -
	AdSwerve, Inc.	Business Services	Arby Partners	-
	CET Structures Ltd.	Business Services	Palantine Private Equity	-
	LEGACY Supply Chain Services	Business Services	Eos Partners LP	-
	Electric Power Systems, Inc.	Business Services	IGP Industries LLC	-
	DataArt, Inc.	Business Services	Da Vinci Capital Management	-
	Visionary Integration Professionals	Business Services	Morgan Stanley Credit Partners	-
	Cando Rail Services Ltd.	Business Services	TorQuest Partners	-
	Vector-Solutions.com, Inc.	Business Services	Golden Gate Capital	-
	Seven Star Digital Ltd.	Digital Advertising	Ki Capital	-
	Moteefe	Digital Media/Commerce	Ascension Ventures Limited	-
	WeTrip Ltd.	Digital Media/Commerce	InMotion Ventures	-
	Lamudi GmbH	Digital Media/Commerce	Ringier AG	-
	Chushou TV	Digital Media/Commerce	iQiyi.com	-
	Visible Body	Digital Media/Commerce	Capitala Investment Advisors	-
	Calabrio, Inc.	Digital Media/Commerce	Kohlberg Kravis Roberts & Company L.P.	-
	OWNDAYS Singapore Pte Ltd.	Digital Media/Commerce	L Catterton	-
	Kkday.com	Digital Media/Commerce	Alibaba Capital Partners	-
	Betterview Marketplace, Inc.	Information	Plug & Play Tech Ventures	-
	Bonify	Information	Mosaic Venture Partners	-
	iCapital Network	Information	The Carlyle Group	-
	iCapital Network	Information	BlackRock, Inc.	-
	Loyalty Prime Germany GmbH	Marketing Technology	Bayerische Beteiligungsgesellschaft	-
	Fuigo, Inc.	Marketing Technology	(Private Investors)	-
	Stable Research	Marketing Technology	Bastion Collective Pty. Ltd.	-
	SAM.AI	Marketing Technology	UpVentures Capital	-
	IRI	Marketing Technology	Vester Capital	-
	Decisions AS	Marketing Technology	Holta Invest AS	-
	TRG Screen	Marketing Technology	Pamlico Capital	-
	Messagepoint, Inc.	Marketing Technology	NewSpring Capital	-
	Skelter Labs, Inc.	Marketing Technology	Golden Gate Ventures	-
	PatientPop, Inc.	Marketing Technology	Leerink Transformation Partners, LLC	-
	Wrike, Inc.	Software	Vista Equity Partners	-
	Bindable.com	Software	Motive Capital Management	-
	Health Data Vision, Inc.	Software	Upfront Ventures	-
	Hart, Inc.	Software	Palisades Growth Capital	-
	Zdaly, Inc.	Software	S3 Ventures	-
	SupplyShift, Inc.	Software	Blackhorn Ventures	-
	Axio Global, Inc.	Software	NFP Ventures	
	Dathena Science Pte. Ltd.	Software	Cerra Capital Ventures	
	SouthTech Systems, Inc.	Software	Undisclosed	
	Riversand Technologies	Software	Crestline Investors, Inc.	
_	inversaria realitorogres	Jontware	Greatine investors, inc.	



VC/Growth Capital				
Undisclosed	Target	Target Segment	Buyer/Investor	Reported TV
	Arkose Labs	Software	PayPal, Inc.	\$ -
	Automox, Inc.	Software	TechOperators LLC	-
	Sonect GmbH	Software	SixThirty Ventures	-
	RADAR, Inc.	Software	Vista Equity Partners	-
	NueHealth, Inc.	Software	Ares Management LLC	-
	Astarte Medical Partners, Inc.	Software	Next Act Fund	-
	Allegro.Al	Software	Hyundai Motor Company	-
	AirGateway GmbH	Software	High Tech Grunderfonds	-
	1touch.io	Software	Jerusalem Venture Partners	-
	Edmunds & Associates	Software	LLR Partners, Inc.	-



Petsky Prunier: Maximizing Shareholder Value

- Top-ranked, global investment bank dedicated to digital advertising and marketing, e-commerce, digital media, technology, information, business services, and healthcare services industries
 - Extensive sell-side M&A and capital raise expertise, with a transaction closing rate unmatched at our level of deal volume
- Founded in 1999
- More than 50 focused professionals; growth of 40% since 2011
 - New York, Las Vegas, Chicago, Charlotte
- Deep relationships across a broad spectrum of strategic buyers, as well as private equity, growth equity, and VC groups and lenders
- Strategic consulting firm Winterberry Group one of the largest industry-specific advisors providing strategic and transactional services
- Global reach enhanced through our partnerships in China and India
- Securities transactions are processed through Petsky Prunier Securities LLC, a member of FINRA and an affiliated entity



- M&A Advisory and Sell-Side Representation
 - Privately-Owned Companies
 - Entrepreneur-Led Businesses
 - Private Equity Portfolio Companies
 - VC-Backed Companies
 - Corporate Divestitures
 - Selected Buy-Side Engagements
- Capital Raising and Private Placements

- Advertising & Marketing
- E-commerce
- Digital Media
- Technology
- Information
- Business Services
- Healthcare Services

- Business Current Situation Assessment and Profit Improvement Planning
- Opportunity Mapping: Strategic Planning & Development

GROUP

- Competitive Landscape Analysis
- M&A Transaction Due Diligence Support
- Buy-Side Targeting Criteria & Integration Strategy
- Custom Market Research

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Publishing, Speaking, and Thought Leadership



Bloomberg M&A League Tables TOP ADVISORS SERVING THE MIDDLE MARKET INTERNET & ADVERTISING SECTORS				
2011-2017				
Rank	Advisor	Deal Count		
1	Petsky Prunier	114		
2	Goldman Sachs	104		
3	KPMG Corporate Finance	78		
4	Morgan Stanley	77		
5	PwC	76		
6	Jordan Edmiston	74		
7	JP Morgan	64		
7	GCA Savvian	64		
9	Ernst & Young	63		
10	Rothschild	60		

Based on number of deals announced in 2011-2017 valued at \$500 million or less. Internet and Advertising is defined by Bloomberg.

 With more than 75 transactions closed in the last 36 months, and more than 140 transactions closed since 2011 (across all industries in addition to Internet and Advertising), Petsky Prunier is one of the most active M&A practices within the marketing, advertising, ecommerce, and media industries



Representative Recent Transactions



PetskyPrunier