

INDUSTRY INSIGHTS

Global Software Sector Update

Fall 2021



Executive Summary

Software M&A has proven resilient in the face of a resurgent pandemic, potential taper tantrum, market volatility, rising inflation and continued disruption to global supply chains. Q3 activity once again reached new record highs driven by broad-based buyer participation, ample liquidity and continued strong growth in software spending.

Publicly traded companies, including non-tech, are on pace to announce the highest number of software deals in over a decade, as they rely on M&A to drive "digital transformation". Despite increasing investor redemptions and regulatory scrutiny, the number of tech companies acquired by special purpose acquisition companies in Q3 doubled from Q3 2020. PE acquirers kept up the pressure on strategics by printing some of the largest software deals in the quarter and increasingly dominated the mid-market software M&A scene.

Valuations are rising to never-before-seen levels. Average revenue multiples exceed 2020 figures by over 50%, while PE acquirers are on track to have paid a premium to strategics for the first year on record. Software as a Service valuations continued to trade at a premium, with top-quartile deals on average commanding double digit revenue multiples. With rising prices, target KPI hurdles are also shifting, extending the bifurcation between top and median performers.

We continue to observe a record pace of deal-making, especially in the U.S., where capacity constraint is a key process consideration when coming to market. Based on our activity and investor interactions, we anticipate a very active end to the year and an already strong pipeline coming into 2022.

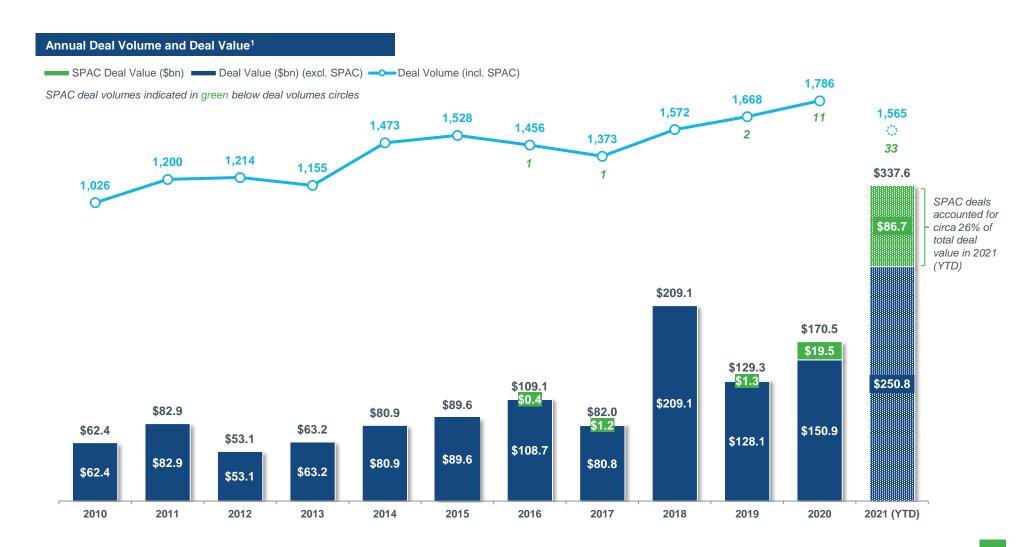
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Robust Momentum Continues in Q3 2021

2021 (YTD) Deal Value Has Already Reached a New 10-Year High





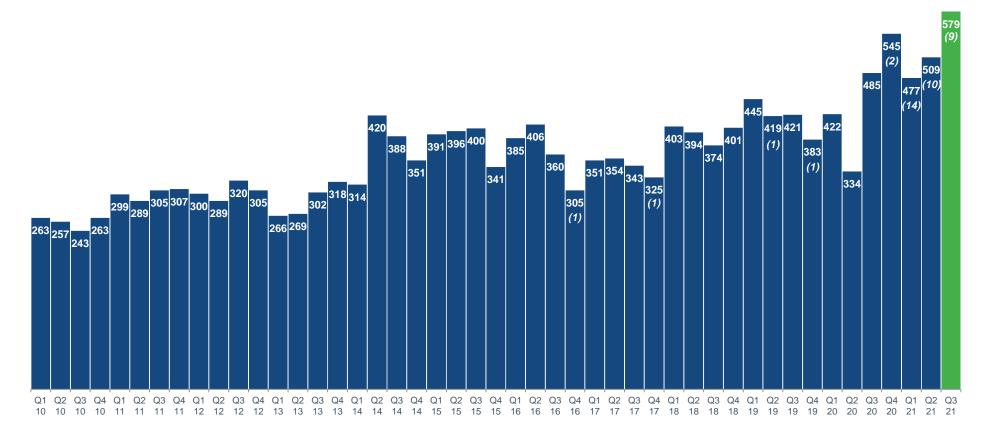


Software Deal Activity Continues above Historical Average

Q3 2021 Recorded the Largest Deal Volumes by Quarter Since Q1 2010

Quarterly Deal Volume (Q1 2010 to Q3 2021)1

Top number in each bar indicates total deal volumes in quarter (incl. SPAC deals) SPAC deal volumes indicated in parentheses

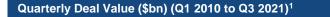




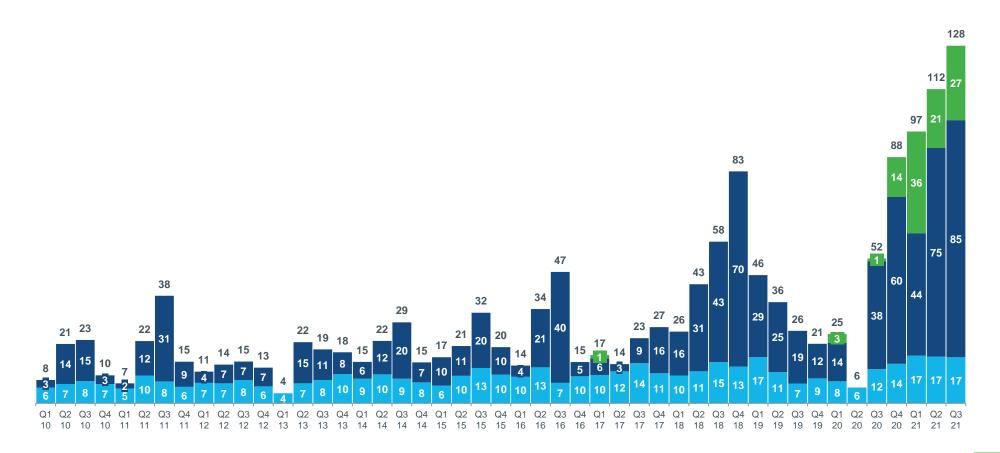


Quarterly Deal Values Continue to Reach Record Highs

Q3 2021 Deal Values Surpassed Q2 2021's Record with Increased SPAC Momentum



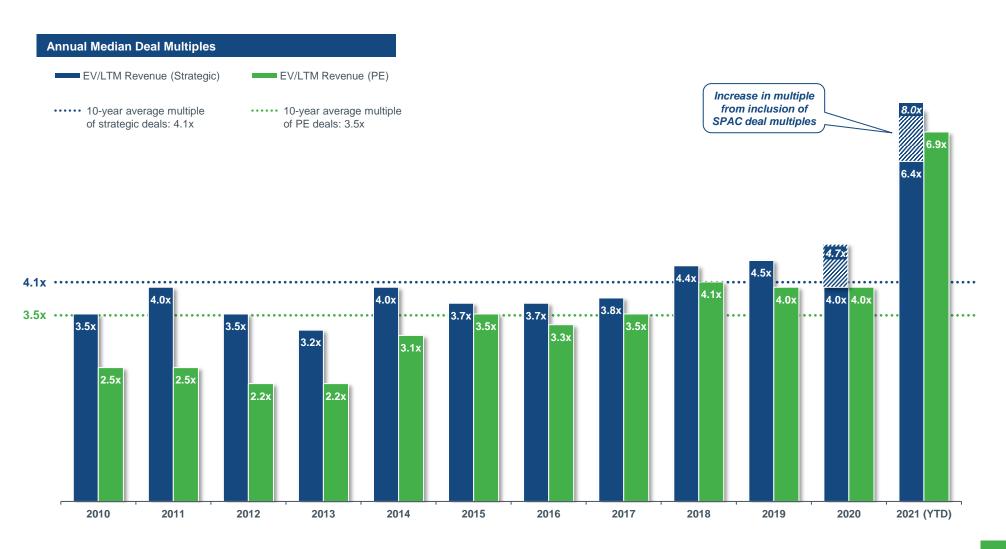






Software Multiples Remain above Long-Term Levels

PE Demonstrates Premium Valuation Compared to Strategics

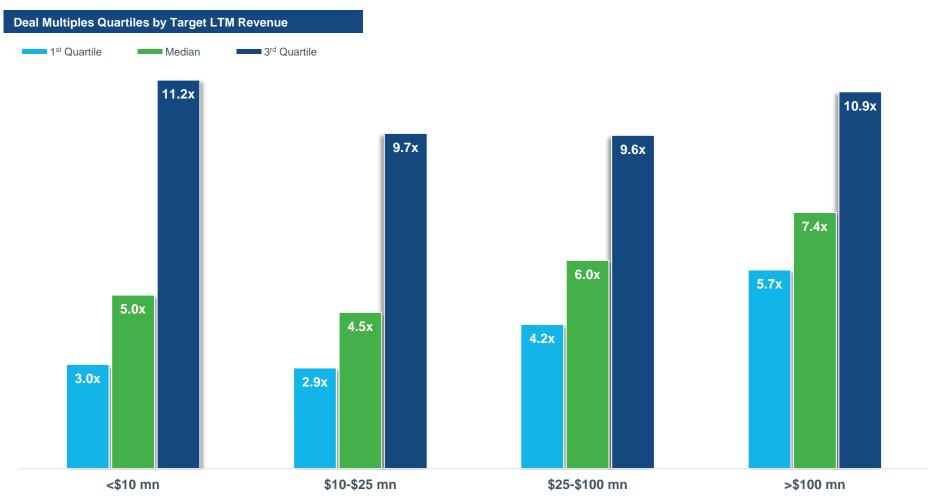






SaaS Deal Multiples by Quartile and Target Revenue

Third-Quartile Multiples Command Average Premiums of 50%-120% vs. Median





Top 6 Software Acquisitions over Q3 2021 by Deal Value

September 2021



acquired by





Mailchimp provides Al-based marketing automation, digital marketing analytics, and reporting SaaS and related mobile application to businesses globally. Software provides sign-up forms, digital advertising, shoppable landing pages, survey creation, email automation and marketing, marketing CRM through customer analytics, and revenue reporting and analytics.

With the acquisition of Mailchimp, Intuit will accelerate two of its previously shared strategic Big Bets: to become the center of small business growth, and to disrupt the small mid-market business

August 2021



acquired by



9.3x



Avast provides Al-based PC, Mac and mobile anti-virus, antispam and firewall SaaS and software for consumers and businesses globally. Its technology uses machine learning that places a flag on malicious requests, continually updates software and keeps a track of malware.

With this combination, NortonLifeLock is able to strengthen its Cyber Safety platform and make it available to more than 40 million customers and 500 million users. The combined firm will also have the ability to further accelerate innovation to transform Cyber Safety.

August 2021



acquired by







Inovalon provides business and predictive analytics and electronic health record (EHR) analytics SaaS for healthcare organizations in the U.S. Through the Inovalon ONE Platform, Inovalon brings to the marketplace a national-scale capability to interconnect with the healthcare ecosystem, aggregate and analyze data in real time, and empower the application of resulting insights to drive meaningful impact at the point of care. As data-driven insights become even more important in improving healthcare, the acquisition will enable Inovalon to continue to transform the healthcare ecosystem.

July 2021

Medallia

acquired by





Medallia provides omni-channel customer and employee experience management SaaS for businesses globally. Software leverages AI to capture, analyze, and enable real-time feedback via branded in-application surveys, email, websites, two-way SMS, connected devices, and social media reviews. In a world where enterprises are only beginning to understand the power of using experience data to run their businesses, Thoma Bravo will enable Medallia to continue to capitalize on a massive, growing market opportunity by providing additional resources, deep sector expertise and greater flexibility to the company.

August 2021

⇔rnerstone

acquired by



\$5.2 bn 6.3x Cornerstone OnDemand provides workforce management SaaS for businesses, government agencies, educational institutions, and nonprofit organizations globally. Software provides features for employee recruitment, performance management, and training.

With a compelling suite of market-leading SaaS solutions and history of product innovation, Cornerstone is well positioned in the growing and rapidly evolving talent management market. Leveraging Clearlake's O.P.S.® framework will help Cornerstone to strengthen its strategic growth plans and accelerate the pace of execution.

July 2021



acquired by





N/A

The deal encompasses the enterprise asset management (EAM) business of Infor, which provides AI-enabled cloud-based ERP EAM software and SaaS for businesses in various sectors globally, including manufacturing, power and energy, and transportation. Software enables monitoring and tracking of assets along with risk management for planning and operations.

The terms of the agreement include establishing a deeper commercial relationship between Hexagon and Infor as well as Hexagon and Koch Equity Development, both subsidiaries of Koch Industries, Inc. Hexagon gains a best-in-class, SaaS-based asset management solution.





Other Notable Software Deals during Q3 2021

Strategic	Deals (Q3 2021)				PE Deals	s¹ (Q3 2021)			
Date	Target	Acquirer	Deal Value and Multiple ²	Target Abstract	Date	Target	Acquirer ¹	Deal Value and Multiple ²	Target Abstract
Jul-21	TRANSPLACE	Uber Freight	\$2,250 mn N/A	Logistics management SaaS & BPO	Jul-21	♦ sphera •	Blackstone	\$1,400 mn N/A	Health & safety management software & SaaS
Aug-21	R <u>M</u> S	Moody's	\$2,000 mn N/A	Risk management software	Sep-21	blue prism	₩ VISTA	\$1,320 mn 6.1x	Robotic process automation software & SaaS
Aug-21	APPRISS° INSIGHTS	EQUIFAX	\$1,825 mn N/A	Tracking, fraud detection & analytics SaaS	Jul-21	flashtalking",,	w mediaocean VISTA	\$500 mn 6.3x	Advertising serving SaaS
Aug-21))II: Frame.io	A Adobe	\$1,275 mn N/A	Video team collaboration SaaS	Jul-21	• FLASHPOINT	△ Audax Private Equity	\$325 mn 8.1x	Threat intelligence software, SaaS & services
Jul-21	ServiceChannel	Ø FORTIVE	\$1,200 mn N/A	Facilities service management SaaS	Jul-21	auvik	Great Hill	\$250 mn N/A	Network management SaaS
Jul-21	CLARABRIDGE	qualtrics. ^{xx}	\$1,125 mn 11.3x	VOC text analysis software & SaaS	Sep-21	LINNWORKS	MARLIN (FEQUITY	\$200 mn 10.0x	E-commerce automation SaaS
Sep-21	ExpressVPN	⋠ kape⁴	\$936 mn N/A	VPN & cyber security SaaS	Jul-21	တ ALLOCADIA	BrandMaker RUBICON ESCHOLOGY DATURES	\$180 mn 10.0x	Marketing performance management SaaS
Sep-21	OHVR	"N Fivetran	\$700 mn 20.0x	Database integration software & SaaS	Jul-21	SKOUT	Barracuda THOMABRAVO	\$150 mn 10.0x	Cyber security & XDR SaaS
Aug-21	sqills exceeding expectations	SIEMENS	\$653 mn N/A	Public transportation management SaaS	Jul-21	LiquidFrameworks	SERVICEMAX SILVERLAKE	\$145 mn N/A	Mobile field service SaaS
Jul-21	O RISKIQ	Microsof	t \$650 mn N/A	Threat intelligence SaaS	Sep-21	Reflektion	sitecore IEQT	\$90 mn 6.9x	E-commerce predictive analytics SaaS
Jul-21	✓ Invoice2go	bill .com	\$625 mn N/A	Invoice and estimate software	Aug-21	RįSKSENSE	ivanti TAASSOCIATES	\$45 mn 4.5x	Vulnerability management software



Vertical

Pagemill Partners-Tracked Software Universe

















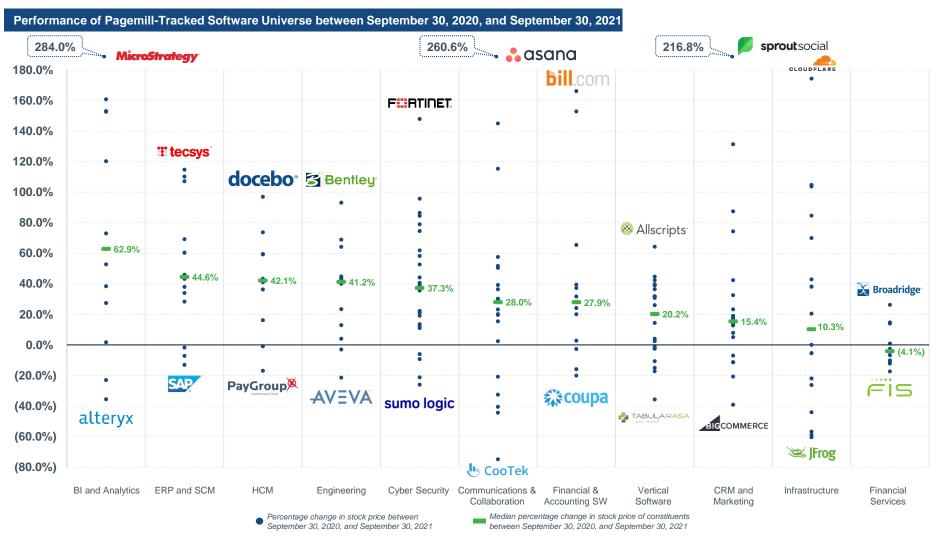






LTM Performance of Stock Prices

All Software Sectors Demonstrate Significant Gains during the Last 12 Months

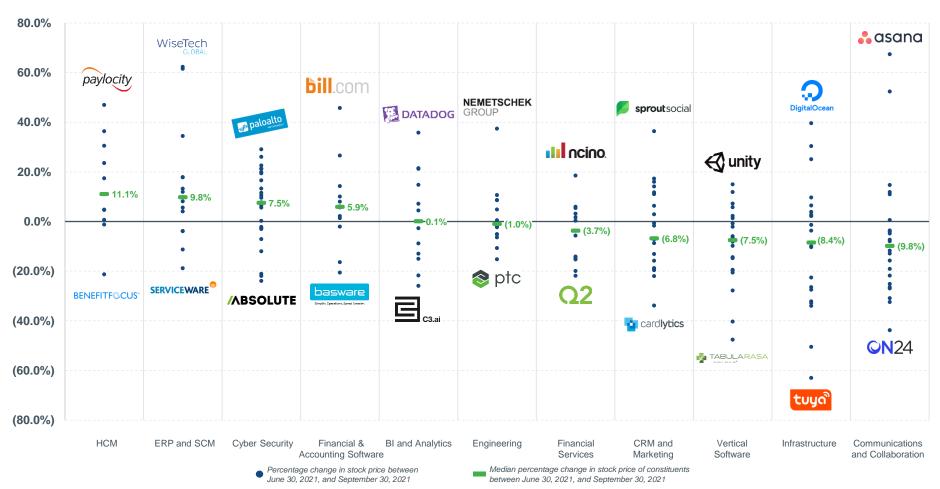




Quarterly Performance of Stock Prices

After a Strong Q2, Mixed Performance in Q3

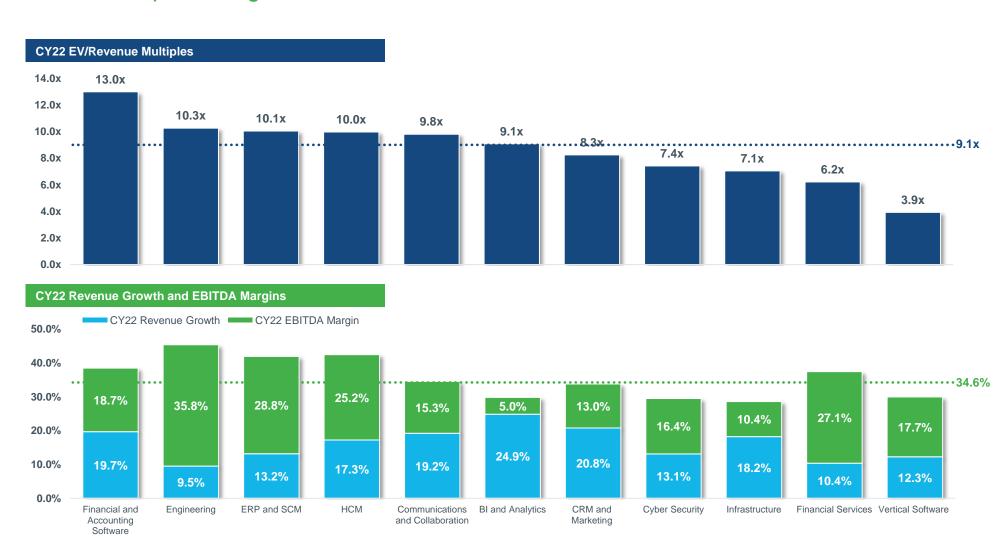
Performance of Pagemill-Tracked Software Universe between June 30, 2021, and September 30, 2021





Public Software Market Multiples

Sector Multiples Range from 13.0x to 3.9x, with a Median of 9.1x CY 2022 Revenues





SaaS Companies Continue to Trade at Post-GFC Highs

After a Sharp Increase in Q2, the Pagemill Partners SaaS Index Traded Mostly Flat in All Quartiles in Q3





IPO Window Remains Open with Notable First-Day Pops ...

Average Post-IPO Performance Slightly Below First-Day Pop

Company	Date of Listing	Gross Proceeds (\$)	Offering Share Price (\$)	Market Cap at Listing ² (\$)	First-Day Pop ¹	Latest Market Cap	Change in Share Price Since Listing
CLEARWATER ANALYTICS.	23-Sep	540.0	18.00	3,186	41% Median: 31	4,429	42% Median: 28%
EngageSmart	23-Sep	378.3	26.00	4,185	31%	5,482	31%
□toast	21-Sep	869.6	40.00	19,964	56%	25,093	25%
freshworks	21-Sep	1,026.0	36.00	10,132	32%	12,136	19%
✓ riskified	28-Jul	367.5	21.00	3,310	24%	3,655	9%
Paycor	20-Jul	425.5	23.00	3,940	13%	6,133	53%
(II) SentinelOne*	29-Jun	1,225.0	35.00	8,973	21%	14,198	53%
PROCORE	30-Sep	634.5	67.00	8,585	31%	11,715	33%
Ui Path	30-Sep	1,337.9	56.00	29,073	23%	27,017	-6%
DigitalOcean	23-Mar	775.5	47.00	4,949	-10%	8,333	65%
tuyດີ	17-Mar	915.4	21.00	11,755	19%	5,077	-57%



IPO Window Remains Open with Notable First-Day Pops...

Average Post-IPO Performance Slightly Below First-Day Pop

Company	Date of Listing	Gross Proceeds (\$)	Offering Share Price (\$)	Market Cap at Listing ² (\$)	First Day Pop ¹	Latest Market Cap	Change in Share Price Since Listing
olo	16-Mar	450.0	25.00	3,550	39% Median: 31%	4,436	20% Median: 28%
○N 24	3-Feb	428.0	50.00	2,224	42%	930	-60%
qualtrics. ^{xx}	28-Jan	1,550.9	30.00	15,084	52%	21,995	42%
■ _{C3.ai}	8-Dec	651.0	42.00	4,026	120%	4,824	1,0%
⋈ McAfee [®]	21-Oct	740.0	20.00	3,309	7%	3,888	11%
Q Palantir	30-Sep	Direct Listing	7.25	11,961	3 1%	46,953	2329
. asana	30-Sep	Direct Listing	21.00	3,246	37%	19,096	3949
3 Bentley	22-Sep	236.5	22.00	6,362	52%	18,726	176%
⊲ unity	18-Sep	1,300.0	52.00	13,695	31%	35,668	143%
sumo logic	16-Sep	325.6	22.00	2,171	22%	1,779	-27%
☞ JFrog	16-Sep	509.0	44.00	3,902	47%	3,212	-24%



Select Recent Pagemill Transactions



On July 2, 2021, white Cryption, a leading provider of cyber security software and a pioneer in mobile application shielding and cryptographic key protection, was acquired by Zimperium, the global leader in mobile security.

whiteCryption's security software protects mobile and desktop applications, firmware, and embedded applications, and is available for all popular platforms such as Android, iOS, Windows, and macOs. It has a core focus on providing app shielding products for banks, financial institutions, medical device companies, automakers and media companies.



On April 14, 2021, Insurance Information Technologies ("Instec"), a SaaS-based insurance software provider, was acquired by Insurity, a leading provider of cloudbased software for P&C carriers, brokers and MGAs.

Instec delivers mid-size P&C carriers a policy administration platform that insurance carriers and MGAs can leverage to build out new insurance products, refresh existing ones or acquire new books of business. Instec's unique approach enables mid-size P&C carriers to migrate, launch or expand complex commercial offerings from start to first quote in as little as four weeks.



On March 19, 2021, Rockley Photonics ("Rockley"), a leading developer of integrated silicon photonic chips and modules, announced a strategic investment from Medtronic, one of the largest medical device companies in the world.

Rockley has positioned itself for hyper scale manufacture with a uniquely capable platform that can address multiple huge and emerging markets, including health monitoring in consumer devices, data communications and machine vision.

Rockley has partnered with multiple tier-1 customers across the markets it serves to deliver the complex optical systems required for transformational product realization.



Select Recent Pagemill Transactions



On March 2, 2021, Applied Technologies Internet SAS ("AT Internet"), a market leader in digital analytics and contextual data, was acquired by Piano Software Inc. ("Piano"), a global subscription commerce and customer experience platform.

AT Internet empowers organizations to effectively measure and analyze how visitors arrive on their digital platforms, as well as their subsequent actions and behaviors. The combination of AT Internet and Piano forms an industry-first customer experience platform powered by contextual analytics, which empowers digital marketing, data and product teams for enterprise customers globally.



On February 17, 2021, NuSource Financial ("NuSource"), a market-leading bank technology integration company, was acquired by Mosaic Capital Partners ("Mosaic") from Tonka Bay Equity Partners ("Tonka Bay").

NuSource provides Automated Teller Machine (ATM)/Interactive Teller Machine (ITM) equipment and security systems to financial institutions. The company provides technology integration and installation of ATMs and ITMs as well other related system integration programs to enable customers to digitize and comprehensively transform its branches and customers' staffing needs.



On December 23, 2020, Sage plc ("Sage"), a market leader in cloud business management solutions, announced a significant partnership with Brightpearl Limited ("Brightpearl"), a market leading digital operations platform targeted at digital retailers across the globe.

Under the partnership, Sage made a minority investment of approximately \$23 mn into the business and took a seat on Brightpearl's board. Together, Sage and Brightpearl will help retail and e-commerce customers take advantage of the best-of-breed cloud finance and retail management solutions, supporting them on their digital journey.



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Company Nama	Share Price	52-V	Veek	% of 52-	Market	Enterprise	Rev	enue	Revenue	EBITDA	EBITDA	EV/Re	evenue
Company Name	09/30/2021	Low	High	Week High	Cap	Value	LTM	CY2020	Growth ¹	LTM	Margin ²	CY 2021	CY 2022
5.													
Bl and Analytics													
Alteryx, Inc.	\$73.10	\$66.66	\$154.83	(52.8%)	\$4,917.4	\$5,096.3	\$529.1	\$527.0	18%	(\$15.9)	(3.0%)	9.7x	8.2x
C3.ai, Inc.	46.34	44.35	183.90	(74.8%)	4,824.4	3,729.4	195.1	227.3	35%	(89.0)	(45.6%)	16.4x	12.2x
Datadog, Inc.		69.73	150.67	(6.2%)	43,820.7	43,203.5	764.3	943.7	37%	(24.8)	(3.2%)	45.8x	33.3x
Domo, Inc.		31.01	98.35	(14.1%)	2.715.5	2,752.1	233.4	254.7	19%	(67.7)	(29.0%)	10.8x	9.1x
Dynatrace, Inc.		33.83	74.34	(4.5%)	20,175.8	20.204.2	757.7	860.3	25%	132.2	17.4%	23.5x	18.8x
Expert.ai S.p.A.	2.75	2.29	4.04	(32.0%)	141.4	128.3	44.4	38.9	39%	(14.3)	(32.3%)	3.3x	2.4x
MicroStrategy Incorporated	578.40	145.16	1,315.00	(56.0%)	5,821.4	8,006.8	507.0	509.9	5%	85.8	16.9%	15.7x	15.0x
New Relic, Inc.	71.77	51.52	82.76	(13.3%)	4,654.1	4,405.9	685.5	718.7	9%	(167.5)	(24.4%)	6.1x	5.6x
PagerDuty, Inc.	41.42	25.90	58.36	(29.0%)	3.519.6	3,282.2	244.2	275.0	25%	(77.5)	(31.7%)	11.9x	9.5x
Palantir Technologies Inc.		8.90	45.00	(46.6%)	46,953.1	44,861.7	1,328.3	1,502.4	30%	(1,249.8)	(94.1%)	29.9x	23.0x
Splunk Inc.	144.71	110.28	222.19	(34.9%)	23,377.3	24,152.8	2,411.4	2,574.3	20%	(864.0)	(35.8%)	9.4x	7.8x
Teradata Corporation	57.35	17.99	59.58	(3.7%)	6,256.9	6,221.9	1,927.0	1,916.3	2%	361.0	18.7%	3.2x	3.2x
Veritone, Inc.	23.89	8.50	50.34	(52.5%)	826.1	711.9	70.0	99.8	71%	(56.3)	(80.4%)	7.1x	4.2x
Average												14.8x	11.7x
Median												10.8x	9.1x



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Company Name	Share Price	52-V	Veek	% of 52-	Market	Enterprise	Rev	enue	Revenue	EBITDA	EBITDA	EV/Re	evenue
Company Name	09/30/2021	Low	High	Week High	Cap	Value	LTM	CY2020	Growth ¹	LTM	Margin ²	CY 2021	CY 2022
Communications and Collab	oration												
8x8, Inc.	\$23.39	\$15.33	\$39.17	(40.3%)	\$2,620.5	\$2,885.0	\$558.9	\$595.5	14%	(\$129.9)	(23.2%)	4.8x	4.2x
Agora, Inc.	29.00	24.29	114.97	(74.8%)	3,360.2	2,539.6	146.7	160.7	24%	(39.1)	(26.7%)	15.8x	12.8x
Asana, Inc.	103.84	20.57	124.85	(16.8%)	19,096.3	18,972.8	293.4	359.1	31%	(219.2)	(74.7%)	52.8x	40.4x
Atlassian Corporation Plc	391.42	176.42	420.23	(6.9%)	98,499.7	97,762.4	2,089.1	2,334.0	19%	143.8	6.9%	41.9x	35.1x
Avaya Holdings Corp.	19.79	15.17	34.06	(41.9%)	1,666.6	4,296.6	2,968.0	2,962.5	3%	476.0	16.0%	1.5x	1.4x
Box, Inc.	23.67	15.08	27.41	(13.6%)	3,587.1	3,917.3	811.8	858.6	11%	49.4	6.1%	4.6x	4.1x
CooTek (Cayman) Inc.	1.22	1.20	7.20	(83.1%)	81.1	78.4	372.9	329.8	NA	(47.3)	(12.7%)	0.2x	NM
DocuSign, Inc.	257.43	179.49	314.76	(18.2%)	50,641.2	50,731.6	1,794.7	2.086.3	29%	(28.9)	(1.6%)	24.3x	18.8x
Dropbox, Inc.	29.22	17.66	33.00	(11.5%)	11,264.8	11,787.2	2,033.7	2.140.3	9%	378.2	18.6%	5.5x	5.0x
Everbridge, Inc.	151.04	100.17	178.98	(15.6%)	5,797.7	5,906.5	315.7	363.2	25%	(53.1)	(16.8%)	16.3x	13.0x
Extreme Networks, Inc.	9.85	3.84	12.29	(19.9%)	1,277.6	1,422.7	1,009.4	1,056.0	5%	94.3	9.3%	1.3x	1.3x
Five9. Inc.	159.74	128.01	211.68	(24.5%)	10,819.2	11,007.6	521.7	578.6	21%	17.2	3.3%	19.0x	15.8x
Jamf Holding Corp.	38.52	27.77	40.68	(5.3%)	4,570.5	4.370.9	314.1	359.7	24%	18.8	6.0%	12.2x	9.8x
Juniper Networks, Inc.	27.52	19.51	29.77	(7.6%)	8.948.2	9,470.7	4,607.5	4.710.9	3%	678.2	14.7%	2.0x	1.9x
ON24, Inc.	19.94	18.88	81.98	(75.7%)	930.2	539.5	198.1	202.6	16%	15.8	8.0%	2.7x	2.3x
Open Text Corporation	48.74	36.18	55.25	(11.8%)	13,168.9	15,431.7	3,386.1	3,424.2	2%	1.042.3	30.8%	4.5x	4.4x
RingCentral, Inc.	217.50	210.37	449.00	(51.6%)	19,903.4	20,996.2	1,369.8	1,544.8	24%	(82.0)	(6.0%)	13.6x	11.0x
Smartsheet Inc.	68.82	48.04	85.65	(19.6%)	8,669.0	8,308.8	457.6	532.2	28%	(123.1)	(26.9%)	15.6x	12.2x
TeamViewer AG	29.43	28.99	57.53	(48.9%)	5.917.0	6,404.0	568.3	608.5	28%	199.8	35.2%	10.5x	8.2x
Twilio Inc.			457.30	(30.2%)		51,859.1	2,255.0	2,682.7	31%	(456.9)	(20.3%)	19.3x	14.8x
Vonage Holdings Corp.	16.12	9.93	16.65	(3.2%)	4.059.9	4,535.5	1,253.1	1,388.4	10%	122.7	9.8%	3.3x	3.0x
Zoom Video Communications	261.50	255.25	588.84	(55.6%)	77,698.9	72,693.9	3,637.4	4,016.0	18%	1,085.7	29.8%	18.1x	15.4x
Average												13.2x	11.2x
Median												11.3x	9.8x



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Company Name	Share Price	52-V	/eek	% of 52-	Market	Enterprise	Rev	enue	Revenue	EBITDA	EBITDA	EV/Re	evenue
Company Name	09/30/2021	Low	High	Week High	Cap	Value	LTM	CY2020	Growth ¹	LTM	Margin ²	CY 2021	CY 2022
CRM and Marketing													
Adobe Inc.	\$575.72	\$420.78	\$673.88	(14.6%)	\$273,927.6	\$272,448.6	\$15,099.0	\$15,757.3	15%	\$6,103.0	40.4%	17.3x	15.0x
Aimia Inc.	3.42	2.64	4.41	(22.4%)	316.7	209.5	16.5	10.3	50%	(4.2)	(25.4%)	NM	13.6x
BigCommerce Holdings, Inc.		42.17	109.15	(53.6%)	3,601.0	3,412.0	178.6	211.4	27%	(40.7)	(22.8%)	16.1x	12.7x
Brightcove Inc.	11.54	9.97	25.26	(54.3%)	471.0	437.5	209.1	212.4	9%	15.0	7.2%	2.1x	1.9x
Cardlytics, Inc.	83.94	69.55	161.47	(48.0%)	2,773.4	2,716.2	225.2	254.5	36%	(49.0)	(21.8%)	10.7x	7.9x
ChannelAdvisor Corporation	25.23	13.36	29.42	(14.2%)	752.7	671.0	156.3	165.4	9%	23.3	14.9%	4.1x	3.7x
HubSpot, Inc.	42.69	40.05	49.25	(13.3%)	12,136.0	15,172.4	308.1	NA	NA	(5.3)	(1.7%)	NM	NM
LivePerson, Inc.	676.09	281.57	736.15	(8.2%)	31,779.9	31,295.9	1,072.6	1,271.4	28%	(32.7)	(3.1%)	24.6x	19.3x
Medallia, Inc.	58.95	47.62	72.23	(18.4%)	4,112.7	4,018.2	424.4	468.8	26%	(3.8)	(0.9%)	8.6x	6.8x
NICE Ltd.	278.89	214.47	302.72	(7.9%)	17,603.8	16,933.8	1,755.5	1,851.4	11%	442.8	25.2%	9.1x	8.3x
Pegasystems Inc.	127.10	109.06	148.80	(14.6%)	10,353.0	10,586.5	1,163.8	1,258.5	19%	(38.3)	(3.3%)	8.4x	7.0x
Qualtrics International Inc.	42.74	29.36	57.28	(25.4%)	21,994.9	22,102.1	973.2	1,014.0	21%	(726.0)	(74.6%)	21.8x	17.9x
salesforce.com, inc.	271.22	201.51	286.36	(5.3%)	265,524.4	271,648.4	23,539.0	26.333.1	21%	3.570.0	15.2%	10.3x	8.5x
Shopify Inc.	1,355.78	875.00	1,650.00	(17.8%)	169,658.5	162,979.9	3,853.2	4,629.2	34%	531.6	13.8%	35.2x	26.2x
Sprout Social, Inc.	121.95	37.14	145.42	(16.1%)	6,566.9	6,420.3	156.5	182.4	31%	(20.2)	(12.9%)	35.2x	26.9x
Momentive Global Inc.	19.60	16.35	28.12	(30.3%)	2,891.3	2,901.8	408.1	445.9	19%	(70.9)	(17.4%)	6.5x	5.5x
TechTarget, Inc.	82.42	43.31	101.12	(18.5%)	2,320.9	2,434.2	198.8	261.9	15%	43.0	21.6%	9.3x	8.0x
Upland Software, Inc.	33.44	33.31	53.00	(36.9%)	1,017.0	1,390.3	302.7	308.0	6%	48.8	16.1%	4.5x	4.2x
Verint Systems Inc.			77.70	(42.4%)	2,929.8	3,513.9	1,299.3	872.7	7%	173.3	13.3%	NM	3.8x
Yext, Inc.	12.03	11.78	20.23	(40.5%)	1,538.0	1,429.4	371.4	387.4	15%	(73.8)	(19.9%)	3.7x	3.2x
Zendesk, Inc.	116.39	101.17	166.60	(30.1%)	13,969.1	13.674.1	1.161.7	1.314.9	25%	(116.0)	(10.0%)	10.4x	8.3x
ZoomInfo Technologies Inc.	61.19	35.50	69.72	(12.2%)	16,350.4	17,145.3	590.4	707.2	31%	167.7	28.4%	24.2x	18.5x
Average												13.8x	10.8x
Median												10.3x	8.3x



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Company Name	Share Price	52-V	Veek	% of 52-	Market	Enterprise	Rev	renue	Revenue	EBITDA	EBITDA	EV/Re	evenue
Company Name	09/30/2021	Low	High	Week High	Cap	Value	LTM	CY2020	Growth ¹	LTM	Margin ²	CY 2021	CY 2022
Cyber Security			4										
Absolute Software Corporation	\$11.01	\$9.69	\$19.77	(44.3%)	\$546.5	\$420.5	\$120.8	\$160.3	37%	\$8.6	7.1%	2.6x	1.9x
Avast Plc	7.67	5.64	8.25	(7.1%)	7,935.2	8,438.0	931.1	951.8	7%	482.3	51.8%	8.9x	8.3x
Check Point Software	113.04	109.07	139.26	(18.8%)	15,011.5	11,039.3	2,106.5	2,144.3	3%	941.5	44.7%	5.1x	5.0x
CrowdStrike Holdings, Inc.	245.78	118.10	289.24	(15.0%)	56,085.2	55,082.8	1,137.9	1,405.8	38%	(66.7)	(5.9%)	39.2x	28.4x
CyberArk Software Ltd.	157.82	95.12	171.34	(7.9%)	6,274.9	5,594.3	481.1	492.0	12%	(12.0)	(2.5%)	11.4x	10.1x
F5 Networks, Inc.	198.78	121.77	216.15	(8.0%)	11,988.9	11,953.1	2,536.2	2,636.7	7%	528.0	20.8%	4.5x	4.2x
Mandiant, Inc.	17.80	12.30	25.53	(30.3%)	4,226.0	4,435.1	979.8	479.7	21%	(56.0)	(5.7%)	NM	7.7x
Fortinet, Inc.	292.04	106.75	322.00	(9.3%)	47,696.0	45,632.6	2,910.5	3,239.3	17%	630.4	21.7%	14.1x	12.0x
F-Secure Oyj	5.56	3.82	5.91	(5.9%)	881.2	866.4	269.5	274.0	7%	27.7	10.3%	3.2x	2.9x
McAfee Corp.	22.11	14.80	32.83	(32.7%)	3,888.0	15,198.0	3,078.0	1,857.8	11%	482.0	15.7%	NM	7.4x
Mimecast Limited	63.60	37.03	71.45	(11.0%)	4,181.0	4,085.5	528.8	565.4	13%	82.6	15.6%	7.2x	6.4x
NortonLifeLock Inc.	25.30	17.98	28.92	(12.5%)	14,717.9	17,416.9	2,623.0	2,753.0	12%	1,235.0	47.1%	6.3x	5.6x
Okta, Inc.	237.34	199.08	294.00	(19.3%)	36,707.7	36,174.0	1,018.6	1,249.0	38%	(384.7)	(37.8%)	29.0x	21.1x
Palo Alto Networks, Inc.	479.00	219.34	495.92	(3.4%)	46,657.5	47,361.6	4,256.1	4,771.4	22%	(59.1)	(1.4%)	9.9x	8.1x
Ping Identity Holding Corp.	24.57	19.97	37.23	(34.0%)	2,017.5	2,051.6	271.0	283.1	12%	(28.0)	(10.3%)	7.2x	6.5x
Qualys, Inc.	111.29	86.65	148.84	(25.2%)	4,334.2	3,915.7	384.3	406.7	12%	139.8	36.4%	9.6x	8.6x
Radware Ltd.	33.72	21.66	39.78	(15.2%)	1,535.4	1,186.3	268.0	280.7	10%	23.8	8.9%	4.2x	3.9x
Rapid7, Inc.	113.02	59.20	125.32	(9.8%)	6,304.6	6,632.6	462.1	522.5	22%	(54.2)	(11.7%)	12.7x	10.4x
SecureWorks Corp.	19.88	10.01	26.89	(26.1%)	1,696.7	1,526.0	555.0	538.8	2%	(0.3)	(0.0%)	2.8x	2.8x
SentinelOne, Inc.	53.57	39.94	73.47	(27.1%)	14,197.8	12,538.1	137.6	189.4	70%	(189.5)	(137.8%)	66.2x	38.8x
Sumo Logic, Inc.	16.12	15.79	46.37	(65.2%)	1,779.2	1,416.7	219.1	237.9	19%	(95.2)	(43.5%)	6.0x	5.0x
Tenable Holdings, Inc.	46.14	33.25	58.45	(21.1%)	4,917.5	4,713.9	483.8	530.1	19%	(6.0)	(1.2%)	8.9x	7.5x
Tufin Software Technologies	9.83	6.34	20.11	(51.1%)	366.2	289.3	103.7	108.2	12%	(31.1)	(30.0%)	2.7x	2.4x
Varonis Systems, Inc.	60.85	37.39	75.33	(19.2%)	6,505.9	5,980.6	335.2	379.4	23%	(74.2)	(22.1%)	15.8x	12.8x
Zix Corporation	7.07	5.76	10.37	(31.8%)	393.8	704.9	235.6	253.5	14%	39.4	16.7%	2.8x	2.4x
Zscaler, Inc.	262.22	120.34	293.44	(10.6%)	36,379.3	35,841.4	673.1	812.8	37%	(182.4)	(27.1%)	44.1x	32.3x
Average												13.5x	10.1x
Median												8.1x	7.4x



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Company Name	Share Price		Veek	% of 52-	Market	Enterprise		enue	Revenue	EBITDA	EBITDA		evenue
	09/30/2021	Low	High	Week High	Cap	Value	LTM	CY2020	Growth ¹	LTM	Margin ²	CY 2021	CY 2022
Engineering													
Altair Engineering Inc.	\$68.94	\$41.95	\$76.91	(10.4%)	\$5,409.2	\$5,377.6	\$510.0	\$517.1	11%	\$43.3	8.5%	10.4x	9.4x
ANSYS, Inc.	340.45	292.79	413.19	(17.6%)	29,705.1	29,632.4	1,800.5	1,879.8	10%	621.5	34.5%	15.8x	14.3x
Aspen Technology, Inc.	340.45 122.80	108.15	162.56	(24.5%)	8,237.0	8,186.8	709.4	1,879.8 681.9	10% 8%	372.5	52.5%	15.8x 12.0x	14.3x 11.1x
Autodesk, Inc.	285.17	223.51	344.39	(17.2%)	62,694.8	63,854.9	4,040.6	4,369.7	19%	761.5	18.8%	14.6x	12.3x
AVEVA Group plc	48.61	41.37	65.67	(26.0%)	14,635.6	15,282.6	1,130.2	1,375.1	30%	214.2	19.0%	11.1x	8.6x
Bentley Systems, Incorporate		29.15	71.92	(15.7%)	18,725.7	19,919.2	867.5	955.7	14%	246.7	28.4%	20.8x	18.3x
Cadence Design Systems, Inc	. 151.44	104.48	168.61	(10.2%)	41,915.6	41,415.6	2,890.8	2,952.5	14% 8%	246.7 901.0	31.2%	14.0x	13.0x
Dassault Systèmes SE	52.69	33.45	59.31	(11.1%)	69,239.7	70,768.8	5,433.5	5,571.5	10%	1,176.4	21.7%	12.7x	11.6x
Hexagon AB (publ)	15.54	10.31	17.40	(10.7%)	39,890.9	42,319.9	5,433.5 4,779.9	4,991.6	10% 9%	1,689.6	21.7% 35.3%	8.5x	11.6x 7.8x
Nemetschek SF	105.12	59.05	108.76	(3.3%)	12,141.7	12,164.3 15,377.5	750.5	775.5	9%	192.5 404.5	25.6%	15.7x	14.4x
PTC Inc.	119.79	79.36	153.73	(3.3%) (22.1%)	14,061.2	15,377.5	1,717.5	1,786.5	11%	404.5	25.6% 23.6%	8.6x	7.7x
Roper Technologies, Inc.	446 13	362.90	499.21	(10.6%)	47,032.7	55,396.8	6,274.0	6,422.4	5%	2,306.0	36.8%	8.6x	8.2x
Synopsys, Inc.	299.41	210.33	340.66	(12.1%)	45,660.8	44,808.9	4,077.2	4,337.9	5% 9%	909.7	22.3%	10.3x	9.5x
Trimble Inc.	82.25	47.19	96.49	(14.8%)	20,695.7	21,689.5	3,453.5	3,626.7	9%	743.2	21.5%	6.0x	5.5x
Average				,		· ·		<u> </u>				12.1x	10.8x
Median												11.6x	10.3x
ERP and SCM													
American Software, Inc.	\$23.75	\$13.85	\$28.45	(16.5%)	\$790.6	\$683.8	\$113.4	\$117.6	8%	\$6.4	5.7%	5.8x	5.4x
Kinaxis Inc.	144.53	98.11	176.37	(18.1%)	3,947.0	3,733.5	227.8	246.1	8% 27%	\$6.4 10.8	4.7%	5.8x 15.2x	11.9x
Manhattan Associates, Inc.	153.03	83.74	167.75	(8.8%)	9,702.1	9,524.1	619.8	648.1	9%	136.5	22.0%	14.7x	13.5x
Microsoft Corporation	281.92	199.62	305.84	(7.8%)	2,118,598.1	2,070,620.1	168,088.0	180,747.3	9% 13%	80,816.0	48.1%	11.5x	10.1x
Oracle Corporation	87.13	55.14	92.27	(5.6%)	238,186.1	282,005.1	40,840.0	41,252.1	5%	18,117.0	44.4%	6.8x	6.5x
SAP SE	135.47	104.23	157.19	(13.8%)	159,792.8	169,112.5	32,195.2	31,772.4	4%	8,227.9	25.6%	5.3x	5.1x
ServiceNow, Inc.	622.27	448.27	681.10	(8.6%)	123,293.5	122,398.5	5,171.5	5,840.0	25%	633.2	12.2%	21.0x	16.7x
Serviceware SE	15.59	14.02	22.02	(29.2%)	163.7	129.6	94.5	92.7	14%	(0.9)	(1.0%)	1.4x	1.2x
SPS Commerce, Inc.	161.31	78.10	169.15	(4.6%)	5,780.0	5,568.3	347.5	382.0	15%	76.1	21.9%	14.6x	12.7x
Technology One Limited	161.31 8.23	5.50	8.73	(4.6%) (5.7%)	2,646.6	5,568.3 2,594.7	347.5 231.8	382.0 228.5	15% 13%	76.1 75.3	21.9% 32.5%	11.4x	10.1x
Tecsys Inc.	45.37	22.15	52.66	(13.8%)	658.0	641.2	102.7	106.1	8%	9.3	9.0%	6.0x	5.6x
The Descartes Systems Grou	p 81.54	53.75	87.79	(7.1%)	6,900.5	6,785.8	384.3	420.9	8% 13%	9.3 153.1	39.8%	16.1x	14.3x
TOTVS S.A.	6.66	4.60	7.61	(12.5%)	4,048.1	4,240.5	568.3	580.5	18%	101.1	17.8%	7.3x	6.2x
WiseTech Global Limited	38.86	18.11	41.51	(6.4%)	12,550.9	12,347.0	380.5	405.2	24%	133.9	35.2%	30.5x	24.5x
Zuora, Inc.	16.58	9.27	18.65	(11.1%)	2,065.9	1,930.5	323.3	341.4	15%	(56.1)	(17.4%)	5.7x	4.9x
Average												11.5x	9.9x
Median												11.4x	10.1x



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Financial and Accounting Software Anaplan, Inc. \$60.89 \$46.00 \$86.17 (29.3%) \$8,901.1 \$8,643.5 \$511.5 \$573.0 25% (\$158.9) (31.1%) 15.1x 12.1x Avalara, Inc. 174.77 117.33 191.67 (8.8%) 15.085.5 14.509.3 595.3 674.6 23% (52.9) (8.9%) 21.5x 17.5x Basware Oyi 37.44 36.45 50.82 (26.3%) 541.2 593.6 176.4 180.4 12% 12.8 7.3% 3.3x 2.9x Bill corn Holdings, Inc. 266.95 89.19 301.99 11.6%) 27.136.6 27,056.2 238.3 358.7 62% (90.1) 37.8%) 75.4x 46.5x BlackLine, Inc. 118.06 87.33 154.61 (23.6%) 6.895.8 6.838.0 386.8 421.9 21% (7.4) (1.9%) 16.2x 13.4x Coupa Software Incorporated 219.18 203.51 377.04 (41.9%) 16.232.3 17.206.1 642.7 707.1 23% (113.3) (17.6%) 24.3x 19.8x Reckon Limited 0.73 0.50 0.87 (15.5%) 82.9 98.0 56.7 52.4 2% 11.3 20.0% 1.9x 1.8x The Sage Group plc 9.58 7.33 10.26 (6.7%) 9.992.8 10,146.7 2,569.3 2,501.1 6% 611.7 23.8% 4.1x 3.8x Wolters Kluwer N.V 106.14 74.04 114.46 (7.3%) 27.550.9 30.352.2 5.441.1 5.438.5 4% 1.637.4 30.1% 56.x 54.x Workivaline 100.68 73.08 114.44 (12.0%) 14.947.3 14.841.2 593.3 671.2 32% 51.4 8.7% 22.1x 16.7x Average Bottomline Technologies, Inc. \$39.28 \$36.05 \$55.09 (28.7%) \$1,792.7 \$1,814.4 \$471.4 \$492.3 12% \$444.1 9.4% 3.7x 3.3x Encadridge Financial Solutions 166.64 131.23 177.16 (5.9%) 19.358.3 23.274.0 \$1.69.2 \$2.46.8 7% 10.04.9 21.0% 4.4x 4.1x Clearwater Analytics Holdings 25.61 23.25 27.68 (7.5%) 4.429.2 4.812.5 237.0 NA NA (30.8) (13.0%) NM NM	Company Name	Share Price		Veek	% of 52-	Market	Enterprise		enue	Revenue	EBITDA	EBITDA		evenue
Anaplan, Inc. \$60,89 \$46,00 \$86,17 (29,3%) \$8,901.1 \$8,643.5 \$511.5 \$573.0 25% (5158.9) \$31.1% \$15.1% \$12.1% Avalara, Inc. \$174,77 \$117.33 \$116.7 (8.6%) \$15,085.5 \$14,509.5 \$593.6 \$74.6 \$23% \$62.9 (8.9%) \$21.5% \$17.5% Basware Cyj \$37.44 \$36.45 \$50.82 (26,3%) \$59.85 \$61.2 \$593.6 \$176.4 \$180.4 \$12.8 \$7.3% \$3.3% \$2.2 \$% Bilcom Holdings, Inc. \$18.06 \$87.33 \$154.61 (23.5%) \$6.825.8 \$6.83.0 \$38.8 \$21.8 \$30.9 \$11.16 \$10.2 \$% \$1.16 \$10.2 \$% \$1.2 \$		09/30/2021	Low	High	Week High	Cap	Value	LTM	CY2020	Growth ¹	LTM	Margin ²	CY 2021	CY 2022
Anaplan, Inc. \$60,89 \$46,00 \$86,17 (29,3%) \$8,901.1 \$8,643.5 \$511.5 \$573.0 25% (5158.9) \$31.1% \$15.1% \$12.1% Avalara, Inc. \$174,77 \$117.33 \$116.7 (8.6%) \$15,085.5 \$14,509.5 \$593.6 \$74.6 \$23% \$62.9 (8.9%) \$21.5% \$17.5% Basware Cyj \$37.44 \$36.45 \$50.82 (26,3%) \$59.85 \$61.2 \$593.6 \$176.4 \$180.4 \$12.8 \$7.3% \$3.3% \$2.2 \$% Bilcom Holdings, Inc. \$18.06 \$87.33 \$154.61 (23.5%) \$6.825.8 \$6.83.0 \$38.8 \$21.8 \$30.9 \$11.16 \$10.2 \$% \$1.16 \$10.2 \$% \$1.2 \$	Financial and Accounting So	oftware												
Avalara, Inc. 174,77 117,33 191,67 (8.8%) 15,085,5 14,509,3 595,3 674,6 23% (52.9) (8.9%) 21,5x 17,5x Basware Cyl 37,44 36,45 50.82 (26.3%) 541,2 593,6 176,4 180,4 12% 12.8 7,3% 3.3% 2.9x Bill.com Holdings, Inc. 268,95 89,19 301,99 (11.6%) 27,136,6 27,056,2 238,3 358,7 62% (90.1) (37,8%) 75,4x 46,5x BillackLine, Inc. 118.06 87,33 154,61 (23.6%) 6,895,8 6,898,0 386,8 421,9 21% (7.4) (1.9%) 16,2x 19,4x Coups Software Incorporated 219,18 20,551 377,04 (41,9%) 16,222,3 17,266,1 642,7 707,1 23% (113.3) (17.6%) 24,5x 19,5x 10,111 (10.6 393,51) 312,05 582,96 (7.5%) 147,355,8 182,9 98,0 56,7 52,4 2% 11.3 20,0% 193,4x 12.6 26,8 19,14 (10.6 393,51) 12,05 582,96 (7.5%) 147,355,8 185,945,8 9,353,0 10,861,3 6% 2,844,0 29,5% 13.4x 12.6 26,8 19,14 (10.6 393,14 (10			\$46.00	\$86.17	(29.3%)	\$8,901.1	\$8,643.5	\$511.5	\$573.0	25%	(\$158.9)	(31.1%)	15.1x	12.1x
Basware Oyj 37,44 36,45 50,82 (26,3%) 541,2 593,6 176,4 180,4 12% 12,8 7,3% 3,3x 2,9x 180 110,00m Holdings, Inc. 266,95 89,19 301,99 (11,6%) 27,136,6 27,056,2 238,3 358,7 6,2% (90,1) 37,8% 75,4x 46,5x 181,60m Holdings, Inc. 118,06 87,33 154,61 (23,6%) 6,895,8 6,838,0 36,8 421,9 21% (7,4) (1,9%) 16,2x 13,4x 18,4x 19,4x 19,4	Avalara, Inc.	174.77								23%	(52.9)			17.5x
Bill.com Holdings, Inc. 266, 95 89, 19 301, 99 (11,6%) 27,136, 6 27,056, 2 38, 3 38, 8, 62% (90.1) (37,8%) 75, 4x 46,5x 46,5x 18,6x 11,6x 118,06 87,33 154,61 (23,6%) 6,895, 8 6,839, 0 386,8 421,9 21% (7.4) (1,9%) 16,2x 13,4x 20,00 1,00 1,00 1,00 1,00 1,00 1,00 1,0	Basware Oyj	37.44	36.45	50.82	(26.3%)	541.2		176.4	180.4	12%	12.8	7.3%	3.3x	2.9x
Blackline, Inc. 118,06 87,33 154,61 (23,6%) 6,895,8 6,838,0 386,8 421,9 21% (7,4 11,9%) 16,2x 13,4x 12,6x 13,4x 13,4x 12,6x 13,4x 13,4x 12,6x 13,4x	Bill.com Holdings, Inc.	266.95	89.19	301.99	(11.6%)	27,136.6	27,056.2	238.3	358.7	62%	(90.1)	(37.8%)	75.4x	46.5x
Intuit Inc. 539,51 312,05 582,96 (7,5%) 147,358,8 145,945,8 9,633,0 10,861,3 6% 2,844,0 29,5% 13,4x 12,6x Reckon Limited 0,73 0,59 0,87 (15,5%) 82,9 98,0 56,7 52,4 2% 11,3 20,0% 19,x 1,9x 1	BlackLine, Inc.	118.06	87.33	154.61	(23.6%)	6,895.8	6,838.0	386.8	421.9	21%	(7.4)	(1.9%)	16.2x	13.4x
Intuit Inc. 539,51 312,05 582,96 (7,5%) 147,358,8 145,945,8 9,633,0 10,861,3 6% 2,844,0 29,5% 13,4x 12,6x Reckon Limited 0,73 0,59 0,87 (15,5%) 82,9 98,0 56,7 52,4 2% 11,3 20,0% 19,x 1,9x 1	Coupa Software Incorporated	219.18	203.51		(41.9%)	16,232.3	17,206.1	642.7	707.1	23%	(113.3)	(17.6%)	24.3x	19.8x
Reckon Limited 0.73 0.50 0.87 (15.5%) 8.2 9 98.0 56.7 52.4 2% 11.3 20.0% 1.9x 1.8x The Sage Group Ic 9.58 7.33 10.26 (6.7%) 9.992.8 10.146.7 2.569.3 2.501.1 6% 611.7 23.8% 4.1x 3.8x Wolters Kluwer N.V. 106.14 74.04 114.46 (7.3%) 27.550.9 30.352.2 54.41.1 5.438.5 4% 16.37.4 30.1% 5.6x 5.4x Workiva Inc. 140.96 52.86 156.48 (9.9%) 7.109.1 6.890.0 391.7 431.3 18% (10.6) (2.7%) 16.0X 13.5x Xero Limited 100.68 73.08 114.44 (12.0%) 14.947.3 14.841.2 593.3 671.2 32% 51.4 8.7% 22.1x 16.7x Average Median		539.51		582.96	(7.5%)	147,335.8	145,945.8	9,633.0		6%	2,844.0	29.5%	13.4x	12.6x
The Sage Group pic 9.58 / 33 10.26 (6.7%) 9.998. 10,146 / 2,589.3 2,501.1 6% 611.7 23.8% 4.1 x 3.8 x Workiva Inc. 106.14 74,04 114.46 (7.3%) 27,550.9 30,352.2 5,441.1 5,438.5 4% 1,637.4 30.1% 5.6 x 5.4 x Workiva Inc. 140.96 52.86 156.48 9.9%) 7,109.1 6.890.0 391.7 431.3 18% (10.6) (2.7%) 16.0 x 13.5 x Xero Limited 100.68 73.08 114.44 (12.0%) 14,947.3 14,841.2 593.3 671.2 32% 51.4 8.7% 22.1 x 16.7 x 4 Xero Limited 100.68 73.08 114.44 (12.0%) 14,947.3 14,841.2 593.3 671.2 32% 51.4 8.7% 22.1 x 16.7 x 13.6 x 14.5 x 14.		0.73	0.50		(15.5%)	82.9		56.7	52.4			20.0%	1.9x	1.8x
Wolters Kluwer N.V. 106.14 74.04 114.46 (7.3%) 27.550.9 30.352.2 5.441.1 5.438.5 4% 1.637.4 30.1% 5.6x 5.4x Workiva Inc. 140.96 52.86 156.48 (9.9%) 7.109.1 6.890.0 391.7 431.3 18% (10.6) (2.7%) 16.0x 13.5x Xero Limited 100.68 73.08 114.44 (12.0%) 14.947.3 14.841.2 593.3 671.2 32% 51.4 8.7% 22.1x 15.7x Average Median 114.44 (12.0%) 14.947.3 14.841.2 593.3 671.2 32% 51.4 8.7% 22.1x 15.7x 15.5x 13.0x 15.5x 1		9.58	7.33	10.26	(6.7%)	9,992.8	10,146.7		2,501.1	6%	611.7	23.8%	4.1x	3.8x
Workivalinc. 140.96 52.86 156.48 (9.9%) 7,109.1 6,890.0 391.7 431.3 18% (10.6) (2.7%) 16.0x 13.5x 13.6x 14.44 100.68 73.08 114.44 (12.0%) 14,947.3 14,841.2 593.3 671.2 32% 51.4 8.7% 22.1x 16.7x 13.8x 15.5x 13.0x 15.5x	Wolters Kluwer N.V.	106.14	74.04	114.46	(7.3%)	27,550.9	30,352.2		5,438.5	4%	1,637.4	30.1%	5.6x	5.4x
Average	Workiva Inc.	140.96	52.86	156.48	(9.9%)	7.109.1	6.890.0	391.7	431.3	18%	(10.6)	(2.7%)	16.0x	13.5x
Time Property Pr		100.68	73.08		(12.0%)	14.947.3			671.2	32%		8.7%	22.1x	16.7x
Financial Services Bottomline Technologies, Inc. \$39.28 \$36.05 \$55.09 (28.7%) \$1.792.7 \$1.814.4 \$471.4 \$492.3 12% \$44.1 9.4% 3.7x 3.3x Broadridge Financial Solutions 166.64 131.23 177.16 (5.9%) 19.358.3 23.274.0 5.169.2 5.246.8 7% 1.084.0 21.0% 4.4x 4.1x Clearwater Analytics Holdings 25.61 23.25 27.68 (7.5%) 4.429.2 4.812.5 237.0 NA NA NA (30.8) (13.0%) NM NM Duck Creek Technologies, Inc. 44.24 33.91 59.40 (25.5%) 5.827.0 5.476.6 260.4 268.5 18% 7.0 2.7% 20.4x 17.3x EVO Payments, Inc. 23.68 20.45 31.99 (26.0%) 1.120.7 2.435.4 480.1 492.9 11% 147.4 30.7% 4.9x 4.4x EVO Payments, Inc. 118.87 91.77 134.22 (11.4%) 9.875.3 9.216.9 743.3 747.3 10% (74.0) (10.0%) 12.3x 11.2x IS Verticals, Inc. 24.21 20.25 35.99 (32.7%) 532.1 837.1 191.4 239.4 13% 21.7 11.3% 3.5x 3.1x Jack Henry & Associates, Inc. 164.06 141.65 179.98 (8.8%) 12.142.7 12.252.8 1.758.2 1.833.7 8% 451.3 25.7% 6.7x 6.2x Q2 Holdings, Inc. 80.14 76.90 148.56 (46.1%) 4.525.0 4.728.1 475.8 497.8 19% (46.4) (9.8%) 9.5x 8.0x SIMCOP A/S SIMCOP A/S 118.39 111.33 145.69 (18.7%) 4.678.3 4.668.8 563.3 577.4 10% 163.1 29.0% 8.1x 7.4x SS&C Technologies Holdings 69.40 58.40 79.71 (12.9%) 17.714.8 23.994.3 4.960.2 4.982.8 4% 1.855.6 37.4% 4.8x 4.6x Temenos AG 136.21 103.33 165.04 (17.5%) 9.922.4 10.916.6 954.1 988.2 10% 26.07 27.3% 11.0x 40erage					()	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,-							
Financial Services Bottomline Technologies, Inc. \$39.28 \$36.05 \$55.09 (28.7%) \$1,792.7 \$1,814.4 \$471.4 \$492.3 12% \$44.1 9.4% 3.7x 3.3x Broadridge Financial Solutions 166.64 131.23 177.16 (5.9%) 19.358.3 23.274.0 5,169.2 5,246.8 7% 1,084.0 21.0% 4.4x 4.1x Clearwater Analytics Holdings 25.61 23.25 27.68 (7.5%) 4,429.2 4,812.5 237.0 NA NA (30.8) (13.0%) NM NM Duck Creek Technologies, Inc. 44.24 33.91 59.40 (25.5%) 5,827.0 5,476.6 260.4 268.5 18% 7.0 2.7% 20.4x 17.3x EVO Payments, Inc. 23.68 20.45 31.99 (26.0%) 1,120.7 2,435.4 480.1 492.9 11% 147.4 30.7% 4.9x 4.4x FIS 121.68 120.17 155.96 (22.0%) 75,160.6 93,463.6 13,521.0 13,910.2 8% 4.836.0 35.8% 6.7x 6.2x Guidewire Software, Inc. 118.87 91.77 134.22 (11.4%) 9,875.3 9,216.9 743.3 747.3 10% (74.0) (10.0%) 12.3x 11.2x I3 Verticals, Inc. 24.21 20.25 35.99 (32.7%) 532.1 837.1 191.4 239.4 13% 21.7 11.3% 3.5x 3.1x Jack Henry & Associates, Inc. 164.06 141.65 179.98 (8.8%) 12.142.7 12.252.8 1,758.2 1,833.7 8% 451.3 25.7% 6.7x 6.2x G2 Holdings, Inc. 80.14 76.90 148.56 (46.1%) 4,525.0 4,728.1 475.8 497.8 19% (44.8) (18.7%) 24.5x 19.8x Q2 Holdings, Inc. 80.14 76.90 148.56 (46.1%) 4,525.0 4,728.1 475.8 497.8 19% (46.4) (9.8%) 9,55x 8.0x SImCorp A/S 118.39 111.33 145.69 (18.7%) 4,678.3 4,668.8 563.3 577.4 10% 163.1 29.0% 8.1x 7.4x SS&C Technologies Holdings 69.40 58.40 79.71 (12.9%) 17,714.8 23.994.3 4,960.2 4,982.8 4% 1,855.6 37.4% 4.8x 4.6x Tempora 69														
Bottomline Technologies, Inc. \$39.28 \$36.05 \$55.09 (28.7%) \$1,792.7 \$1,814.4 \$471.4 \$492.3 12% \$44.1 9.4% 3.7x 3.3x Broadridge Financial Solutions 166.64 131.23 177.16 (5.9%) 19.358.3 23.274.0 5.169.2 5.246.8 7% 1.084.0 21.0% 4.4x 4.1x Clearwater Analytics Holdings 25.61 23.25 27.68 (7.5%) 4.429.2 4.812.5 237.0 NA NA NA (30.8) (13.0%) NM NM Duck Creek Technologies, Inc. 44.24 33.91 59.40 (25.5%) 5,827.0 5.476.6 260.4 268.5 18% 7.0 2.7% 20.4x 17.3x EVO Payments, Inc. 23.68 20.45 31.99 (26.0%) 1.120.7 2.435.4 480.1 492.9 11% 147.4 30.7% 4.9x 4.4x FIS 121.68 120.17 155.96 (22.0%) 75,160.6 93.463.6 13,521.0 13,910.2 8% 4.836.0 35.8% 6.7x 6.2x Guidewire Software, Inc. 118.87 91.77 134.22 (11.4%) 9.875.3 9.216.9 743.3 747.3 10% (74.0) (10.0%) 12.3x 11.2x 13.0cm Network Associates, Inc. 24.21 20.25 35.99 (32.7%) 532.1 837.1 191.4 239.4 13% 21.7 11.3% 3.5x 3.1x Jack Henry & Associates, Inc. 164.06 141.65 17.99 8 (8.8%) 12.142.7 12.252.8 1.758.2 1.833.7 8% 451.3 25.7% 6.7x 6.2x nCino, Inc. 71.03 48.00 90.22 (21.3%) 6,832.8 6.464.7 239.7 263.7 24% (44.8) (18.7%) 24.5x 19.8x Q2 Holdings, Inc. 80.14 76.90 148.56 (46.1%) 4,525.0 4,728.1 475.8 497.8 19% (46.4) (9.8%) 9.5x 8.0x SimCorp A/S 118.39 111.33 145.69 (18.7%) 4,678.3 4,668.8 563.3 577.4 10% 163.1 29.0% 8.1x 7.4x SS&C Technologies Holdings 69.40 58.40 79.71 (12.9%) 17,714.8 23,994.3 4,960.2 4,982.8 4% 1.855.6 37.4% 4.8x 4.6x Temenos AG 136.21 103.33 165.04 (17.5%) 9,922.4 10,916.6 954.1 988.2 10% 260.7 27.3% 11.0x 10.0x Average														
Bottomline Technologies, Inc. \$39.28 \$36.05 \$55.09 (28.7%) \$1,792.7 \$1,814.4 \$471.4 \$492.3 12% \$44.1 9.4% 3.7x 3.3x Broadridge Financial Solutions 166.64 131.23 177.16 (5.9%) 19.358.3 23.274.0 5.169.2 5.246.8 7% 1.084.0 21.0% 4.4x 4.1x Clearwater Analytics Holdings 25.61 23.25 27.68 (7.5%) 4.429.2 4.812.5 237.0 NA NA NA (30.8) (13.0%) NM NM Duck Creek Technologies, Inc. 44.24 33.91 59.40 (25.5%) 5,827.0 5.476.6 260.4 268.5 18% 7.0 2.7% 20.4x 17.3x EVO Payments, Inc. 23.68 20.45 31.99 (26.0%) 1.120.7 2.435.4 480.1 492.9 11% 147.4 30.7% 4.9x 4.4x FIS 121.68 120.17 155.96 (22.0%) 75,160.6 93.463.6 13,521.0 13,910.2 8% 4.836.0 35.8% 6.7x 6.2x Guidewire Software, Inc. 118.87 91.77 134.22 (11.4%) 9.875.3 9.216.9 743.3 747.3 10% (74.0) (10.0%) 12.3x 11.2x 13.0cm Network Associates, Inc. 24.21 20.25 35.99 (32.7%) 532.1 837.1 191.4 239.4 13% 21.7 11.3% 3.5x 3.1x Jack Henry & Associates, Inc. 164.06 141.65 17.99 8 (8.8%) 12.142.7 12.252.8 1.758.2 1.833.7 8% 451.3 25.7% 6.7x 6.2x nCino, Inc. 71.03 48.00 90.22 (21.3%) 6,832.8 6.464.7 239.7 263.7 24% (44.8) (18.7%) 24.5x 19.8x Q2 Holdings, Inc. 80.14 76.90 148.56 (46.1%) 4,525.0 4,728.1 475.8 497.8 19% (46.4) (9.8%) 9.5x 8.0x SimCorp A/S 118.39 111.33 145.69 (18.7%) 4,678.3 4,668.8 563.3 577.4 10% 163.1 29.0% 8.1x 7.4x SS&C Technologies Holdings 69.40 58.40 79.71 (12.9%) 17,714.8 23,994.3 4,960.2 4,982.8 4% 1.855.6 37.4% 4.8x 4.6x Temenos AG 136.21 103.33 165.04 (17.5%) 9,922.4 10,916.6 954.1 988.2 10% 260.7 27.3% 11.0x 10.0x Average														
Duck Creek Technologies, Inc. 44.24 33.91 59.40 (25.5%) 5,82f.0 5,476.6 260.4 268.5 18% 7.0 2.7% 20.4x 17.3x EVO Payments, Inc. 23.68 20.45 31.99 (26.0%) 1,120.7 2,435.4 480.1 492.9 11% 147.4 30.7% 4.9x 4.4x FIS 121.68 120.17 155.96 (22.0%) 75,160.6 93,463.6 13,521.0 13,910.2 8% 4,836.0 35.8% 6.7x 6.2x Guidewire Software, Inc. 118.87 91.77 134.22 (11.4%) 9,875.3 9,216.9 743.3 747.3 10% (74.0) (10.0%) 12.3x 11.2x Jack Henry & Associates, Inc. 164.06 141.65 179.98 (8.8%) 12,142.7 12,252.8 1,758.2 1,833.7 8% 451.3 25.7% 6.7x 6.2x nCino, Inc. 71.03 48.00 90.22 (21.3%) 6.832.8 6.464.7 239.7 263.7 <td>Financial Services</td> <td></td>	Financial Services													
Duck Creek Technologies, Inc. 44.24 33.91 59.40 (25.5%) 5,82f.0 5,476.6 260.4 268.5 18% 7.0 2.7% 20.4x 17.3x EVO Payments, Inc. 23.68 20.45 31.99 (26.0%) 1,120.7 2,435.4 480.1 492.9 11% 147.4 30.7% 4.9x 4.4x FIS 121.68 120.17 155.96 (22.0%) 75,160.6 93,463.6 13,521.0 13,910.2 8% 4,836.0 35.8% 6.7x 6.2x Guidewire Software, Inc. 118.87 91.77 134.22 (11.4%) 9,875.3 9,216.9 743.3 747.3 10% (74.0) (10.0%) 12.3x 11.2x Jack Henry & Associates, Inc. 164.06 141.65 179.98 (8.8%) 12,142.7 12,252.8 1,758.2 1,833.7 8% 451.3 25.7% 6.7x 6.2x nCino, Inc. 71.03 48.00 90.22 (21.3%) 6.832.8 6.464.7 239.7 263.7 <td>Bottomline Technologies, Inc.</td> <td>\$39.28</td> <td>\$36.05</td> <td>\$55.09</td> <td>(28.7%)</td> <td>\$1,792.7</td> <td>\$1,814.4</td> <td>\$471.4</td> <td>\$492.3</td> <td>12%</td> <td>\$44.1</td> <td>9.4%</td> <td>3.7x</td> <td>3.3x</td>	Bottomline Technologies, Inc.	\$39.28	\$36.05	\$55.09	(28.7%)	\$1,792.7	\$1,814.4	\$471.4	\$492.3	12%	\$44.1	9.4%	3.7x	3.3x
Duck Creek Technologies, Inc. 44.24 33.91 59.40 (25.5%) 5,82f.0 5,476.6 260.4 268.5 18% 7.0 2.7% 20.4x 17.3x EVO Payments, Inc. 23.68 20.45 31.99 (26.0%) 1,120.7 2,435.4 480.1 492.9 11% 147.4 30.7% 4.9x 4.4x FIS 121.68 120.17 155.96 (22.0%) 75,160.6 93,463.6 13,521.0 13,910.2 8% 4,836.0 35.8% 6.7x 6.2x Guidewire Software, Inc. 118.87 91.77 134.22 (11.4%) 9,875.3 9,216.9 743.3 747.3 10% (74.0) (10.0%) 12.3x 11.2x Jack Henry & Associates, Inc. 164.06 141.65 179.98 (8.8%) 12,142.7 12,252.8 1,758.2 1,833.7 8% 451.3 25.7% 6.7x 6.2x nCino, Inc. 71.03 48.00 90.22 (21.3%) 6.832.8 6.464.7 239.7 263.7 <td>Broadridge Financial Solutions</td> <td>166.64</td> <td>131.23</td> <td>177.16</td> <td>(5.9%)</td> <td></td> <td></td> <td>5,169.2</td> <td>5,246.8</td> <td>7%</td> <td>1,084.0</td> <td>21.0%</td> <td>4.4x</td> <td>4.1x</td>	Broadridge Financial Solutions	166.64	131.23	177.16	(5.9%)			5,169.2	5,246.8	7%	1,084.0	21.0%	4.4x	4.1x
Duck Creek Technologies, Inc. 44.24 33.91 59.40 (25.5%) 5,82f.0 5,476.6 260.4 268.5 18% 7.0 2.7% 20.4x 17.3x EVO Payments, Inc. 23.68 20.45 31.99 (26.0%) 1,120.7 2,435.4 480.1 492.9 11% 147.4 30.7% 4.9x 4.4x FIS 121.68 120.17 155.96 (22.0%) 75,160.6 93,463.6 13,521.0 13,910.2 8% 4,836.0 35.8% 6.7x 6.2x Guidewire Software, Inc. 118.87 91.77 134.22 (11.4%) 9,875.3 9,216.9 743.3 747.3 10% (74.0) (10.0%) 12.3x 11.2x Jack Henry & Associates, Inc. 164.06 141.65 179.98 (8.8%) 12,142.7 12,252.8 1,758.2 1,833.7 8% 451.3 25.7% 6.7x 6.2x nCino, Inc. 71.03 48.00 90.22 (21.3%) 6.832.8 6.464.7 239.7 263.7 <td>Clearwater Analytics Holdings</td> <td>25.61</td> <td>23.25</td> <td>27.68</td> <td>(7.5%)</td> <td>4,429.2</td> <td></td> <td>237.0</td> <td>NA</td> <td>NA</td> <td>(30.8)</td> <td>(13.0%)</td> <td>NM</td> <td>NM</td>	Clearwater Analytics Holdings	25.61	23.25	27.68	(7.5%)	4,429.2		237.0	NA	NA	(30.8)	(13.0%)	NM	NM
EVO Payments, Inc. 23.68 20.45 31.99 (26.0%) 1,120.7 2,435.4 480.1 492.9 11% 147.4 30.7% 4.9x 4.4x FIS 121.68 120.17 155.96 (22.0%) 75,160.6 93,463.6 13,521.0 13,910.2 8% 4,836.0 35.8% 6.7x 6.2x Guidewire Software, Inc. 118.87 91.77 134.22 (11.4%) 9,875.3 9,216.9 743.3 747.3 10% (74.0) (10.0%) 12.3x 11.2x 13 Verticals, Inc. 24.21 20.25 35.99 (32.7%) 532.1 837.1 191.4 239.4 13% 21.7 11.3% 3.5x 3.1x Jack Henry & Associates, Inc. 164.06 141.65 179.98 (8.8%) 12,142.7 12,252.8 1,758.2 1,833.7 8% 451.3 25.7% 6.2x nCino, Inc. 71.03 48.00 90.22 (21.3%) 6,832.8 6,464.7 239.7 263.7 24% (44.8) (18.7%) 24.5x 19.8x Q2 Holdings, Inc. 80.14 76.90 148.56 (46.1%) 4,525.0 4,728.1 475.8 497.8 19% (46.4) (9.8%) 9.5x 8.0x SimCorp A/S 118.39 111.33 145.69 (18.7%) 4,678.3 4,668.8 563.3 577.4 10% 163.1 29.0% 8.1x 7.4x SS&C Technologies Holdings 69.40 58.40 79.71 (12.9%) 17,714.8 23,994.3 4,960.2 4,982.8 4% 1,855.6 37.4% 4.8x 4.6x Temenos AG 136.21 103.33 165.04 (17.5%) 9,922.4 10,916.6 954.1 988.2 10% 260.7 27.3% 11.0x 10.0x Average	Duck Creek Technologies, Inc.	44.24	33.91	59.40	(25.5%)	5,827.0	5,476.6	260.4	268.5	18%	7.0	2.7%	20.4x	17.3x
FIS 121.68 120.17 155.96 (22.0%) 75,160.6 93,463.6 13,521.0 13,910.2 8% 4,836.0 35.8% 6.7x 6.2x Guidewire Software, Inc. 118.87 91.77 134.22 (11.4%) 9,875.3 9,216.9 743.3 747.3 10% (74.0) (10.0%) 12.3x 11.2x i3 Verticals, Inc. 24.21 20.25 35.99 (32.7%) 532.1 837.1 191.4 239.4 13% 21.7 11.3% 3.5x 3.1x Jack Henry & Associates, Inc. 164.06 141.65 179.98 (8.8%) 12,142.7 12,252.8 1,758.2 1,833.7 8% 451.3 25.7% 6.7x 6.2x nCino, Inc. 71.03 48.00 90.22 (21.3%) 6,832.8 6,464.7 239.7 263.7 24% (44.8) (18.7%) 24.5x 19.8x Q2 Holdings, Inc. 80.14 76.90 148.56 (46.1%) 4,525.0 4,728.1 475.8 497.8 19% (46.4) (9.8%) 9.5x 8.0x SimCorp A/S 118.39 111.33 145.69 (18.7%) 4,678.3 4,668.8 563.3 577.4 10% 163.1 29.0% 8.1x 7.4x SS&C Technologies Holdings 69.40 58.40 79.71 (12.9%) 17,714.8 23,994.3 4,960.2 4,982.8 4% 1,855.6 37.4% 4.8x 4.6x Temenos AG 136.21 103.33 165.04 (17.5%) 9,922.4 10,916.6 954.1 988.2 10% 260.7 27.3% 11.0x 10.0x Average	EVO Payments, Inc.	23.68	20.45	31.99	(26.0%)	1,120.7	2,435.4	480.1	492.9	11%	147.4	30.7%	4.9x	4.4x
Guidewire Software, Inc. 118.87 91.77 134.22 (11.4%) 9.875.3 9.216.9 743.3 747.3 10% (74.0) (10.0%) 12.3x 11.2x 13 Verticals, Inc. 24.21 20.25 35.99 (32.7%) 532.1 837.1 191.4 239.4 13% 21.7 11.3% 3.5x 3.1x Jack Henry & Associates, Inc. 164.06 141.65 179.98 (8.8%) 12.142.7 12.252.8 1,758.2 1,833.7 8% 451.3 25.7% 6.7x 6.2x nCino, Inc. 71.03 48.00 90.22 (21.3%) 6.832.8 6.464.7 239.7 263.7 24% (44.8) (18.7%) 24.5x 19.8x Q2 Holdings, Inc. 80.14 76.90 148.56 (46.1%) 4,525.0 4,728.1 475.8 497.8 19% (46.4) (9.8%) 9.5x 8.0x SimCorp A/S 118.39 111.33 145.69 (18.7%) 4,678.3 4,668.8 563.3 577.4 10% 163.1 29.0% 8.1x 7.4x SS&C Technologies Holdings 69.40 58.40 79.71 (12.9%) 17,714.8 23,994.3 4,960.2 4,982.8 4% 1,855.6 37.4% 4.8x 4.6x Temenos AG 136.21 103.33 165.04 (17.5%) 9,922.4 10,916.6 954.1 988.2 10% 260.7 27.3% 11.0x 10.0x Average	FIS	121.68	120.17	155.96	(22.0%)	75,160.6	93,463.6	13,521.0	13,910.2	8%	4,836.0	35.8%	6.7x	6.2x
3 Verticals, Inc. 24.21 20.25 35.99 (32.7%) 532.1 837.1 191.4 239.4 13% 21.7 11.3% 3.5x 3.1x Jack Henry & Associates, Inc. 164.06 141.65 179.98 (8.8%) 12.142.7 12.252.8 1.758.2 1.833.7 8% 451.3 25.7% 6.7x 6.2x nCino, Inc. 71.03 48.00 90.22 (21.3%) 6.832.8 6.464.7 239.7 263.7 24% (44.8) (18.7%) 24.5x 19.8x O2 Holdings, Inc. 80.14 76.90 148.56 (46.1%) 4.525.0 4.728.1 475.8 497.8 19% (46.4) (9.8%) 9.5x 8.0x SimCorp A/S 118.39 111.33 145.69 (18.7%) 4.678.3 4.668.8 563.3 577.4 10% 163.1 29.0% 8.1x 7.4x SS&C Technologies Holdings 69.40 58.40 79.71 (12.9%) 17.714.8 23.994.3 4.960.2 4.982.8 4% 1.855.6 37.4% 4.8x 4.6x Temenos AG 136.21 103.33 165.04 (17.5%) 9.922.4 10.916.6 954.1 988.2 10% 260.7 27.3% 11.0x 10.0x Average 9.3x 8.1x	Guidewire Software, Inc.	118.87	91.77	134.22	(11.4%)	9,875.3	9,216.9		747.3	10%	(74.0)	(10.0%)	12.3x	11.2x
Q2 Holdings, Inc. 80.14 76.90 148.56 (46.1%) 4,525.0 4,728.1 4/5.8 497.8 19% (46.4) (9.8%) 9.5x 8.0x SimCorp A/S 118.39 111.33 145.69 (18.7%) 4,678.3 4,668.8 563.3 577.4 10% 163.1 29.0% 8.1x 7.4x SS&C Technologies Holdings 69.40 58.40 79.71 (12.9%) 17,714.8 23,994.3 4,960.2 4,982.8 4% 1,855.6 37.4% 4.8x 4.6x Temenos AG 136.21 103.33 165.04 (17.5%) 9,922.4 10,916.6 954.1 988.2 10% 260.7 27.3% 11.0x 10.0x Average		24.21	20.25	35.99		532.1		191.4	239.4	13%	21.7	11.3%	3.5x	3.1x
Q2 Holdings, Inc. 80.14 76.90 148.56 (46.1%) 4,525.0 4,728.1 4/5.8 497.8 19% (46.4) (9.8%) 9.5x 8.0x SimCorp A/S 118.39 111.33 145.69 (18.7%) 4,678.3 4,668.8 563.3 577.4 10% 163.1 29.0% 8.1x 7.4x SS&C Technologies Holdings 69.40 58.40 79.71 (12.9%) 17,714.8 23,994.3 4,960.2 4,982.8 4% 1,855.6 37.4% 4.8x 4.6x Temenos AG 136.21 103.33 165.04 (17.5%) 9,922.4 10,916.6 954.1 988.2 10% 260.7 27.3% 11.0x 10.0x Average		164.06				12,142.7	12,252.8	1,758.2		8%	451.3			6.2x
Q2 Holdings, Inc. 80.14 76.90 148.56 (46.1%) 4,525.0 4,728.1 4/5.8 497.8 19% (46.4) (9.8%) 9.5x 8.0x SimCorp A/S 118.39 111.33 145.69 (18.7%) 4,678.3 4,668.8 563.3 577.4 10% 163.1 29.0% 8.1x 7.4x SS&C Technologies Holdings 69.40 58.40 79.71 (12.9%) 17,714.8 23,994.3 4,960.2 4,982.8 4% 1,855.6 37.4% 4.8x 4.6x Temenos AG 136.21 103.33 165.04 (17.5%) 9,922.4 10,916.6 954.1 988.2 10% 260.7 27.3% 11.0x 10.0x Average 9.3x 8.1x	nCino, Inc.	71.03	48.00						263.7	24%	(44.8)	(18.7%)	24.5x	19.8x
SimCorp A/S 118.39 111.33 145.69 (18.7%) 4,678.3 4,668.8 563.3 577.4 10% 163.1 29.0% 8.1x 7.4x SS&C Technologies Holdings 69.40 58.40 79.71 (12.9%) 17,714.8 23,994.3 4,960.2 4,982.8 4% 1,855.6 37.4% 4.8x 4.6x Temenos AG 136.21 103.33 165.04 (17.5%) 9,922.4 10,916.6 954.1 988.2 10% 260.7 27.3% 11.0x 10.0x Average 9.3x 8.1x	Q2 Holdings, Inc.	80.14	76.90	148.56	(46.1%)	4,525.0	4,728.1	475.8	497.8	19%	(46.4)	(9.8%)	9.5x	8.0x
SS&C Technologies Holdings 69.40 58.40 79.71 (12.9%) 17,714.8 23,994.3 4,960.2 4,982.8 4% 1,855.6 37.4% 4.8x 4.6x Temenos AG 136.21 103.33 165.04 (17.5%) 9,922.4 10,916.6 954.1 988.2 10% 260.7 27.3% 11.0x 10.0x Average 9.3x 8.1x					(18.7%)	4,678.3			577.4	10%	163.1	29.0%		7.4x
Temenos AG 136.21 103.33 165.04 (17.5%) 9,922.4 10,916.6 954.1 988.2 10% 260.7 27.3% 11.0x 10.0x Average 9.3x 8.1x		69.40	58.40					4,960.2	4,982.8	4%		37.4%		4.6x
Average 9.3x 8.1x		136.21	103.33	165.04					988.2	10%	260.7	27.3%	11.0x	10.0x
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Company Name	Share Price		Veek	% of 52-	Market	Enterprise		enue	Revenue	EBITDA	EBITDA		evenue
	09/30/2021	Low	High	Week High	Cap	Value	LTM	CY2020	Growth ¹	LTM	Margin ²	CY 2021	CY 2022
HCM													
Automatic Data Processing	\$199.92	\$135.11	\$217.15	(7.9%)	\$84,510.8	\$85,382.0	\$15,005.4	\$15,551.9	6%	\$3,866.1	25.8%	5.5x	5.2x
Benefitfocus, Inc.	11.10	9.42	17.58	(36.9%)	370.1	532.0	265.8	257.8	-1%	28.5	10.7%	2.1x	2.1x
Ceridian HCM Holding Inc.		78.20	116.70	(3.5%)	16,877.4	17,720.4	912.1	1,014.0	17%	28.2	3.1%	17.5x	14.9x
Docebo Inc.	73.15	36.23	92.97	(21.3%)	2,393.8	2,185.4	82.2	102.6	39%	(7.3)	(8.9%)	21.3x	15.4x
Paychex, Inc.	112.45	78.00	118.22	(4.9%)	40,551.8	40,307.3	4,207.5	4,282.1	5%	1,783.3	42.4%	9.4x	9.0x
Paycom Software, Inc.	495.75	302.44	515.52	(3.8%)	28,712.5	28,611.0	931.8	1,037.7	24%	243.8	26.2%	27.6x	22.2x
Paycor HCM, Inc.	35.16	24.00	39.71	(11.5%)	6,133.0	6,690.6	352.8	375.4	13%	45.4	12.9%	17.8x	15.8x
PayGroup Limited	0.33	0.31	0.59	(43.2%)	38.3	30.6	11.9	17.4	27%	0.5	4.6%	1.8x	1.4x
Paylocity Holding Corporation	280.40	154.26	298.63	(6.1%)	15,310.2	15,178.2	635.6	712.0	23%	77.8	12.2%	21.3x	17.3x
TriNet Group, Inc.	94.58	58.66	96.77	(2.3%)	6,228.8	6,186.8	4,198.0	1,080.5	8%	383.0	9.1%	NM	5.3x
Workday, Inc.	249.89	201.62	282.77	(11.6%)	61,972.7	60,812.6	4,673.0	5,106.1	19%	190.0	4.1%	11.9x	10.0x
Average												13.6x	10.8x
Median												14.7x	10.0x



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Company Name	Share Price	52-V	Veek	% of 52-	Market	Enterprise	Reve	enue	Revenue	EBITDA	EBITDA	EV/Re	evenue
Company Name	09/30/2021	Low	High	Week High	Cap	Value	LTM	CY2020	Growth ¹	LTM	Margin ²	CY 2021	CY 2022
Infrastructure													
Akamai Technologies, Inc.	\$104.59	\$92.64	\$124.91	(16.3%)	\$17,030.4	\$17,282.3	\$3,334.7	\$3,443.2	8%	\$1,091.6	32.7%	5.0x	4.7x
Appian Corporation	92.51	62.29	260.00	(64.4%)	6,575.8	6,391.3	330.8	357.0	18%	(46.8)	(14.2%)	17.9x	15.1x
Cisco Systems, Inc.	54.43	35.28	60.27	(9.7%)	229,571.4	217,738.4	49,818.0	51,757.8	5%	15,496.0	31.1%	4.2x	4.0x
Citrix Systems, Inc.	107.37	94.66	146.94	(26.9%)	13,338.8	16,484.9	3,164.7	3.230.6	8%	620.8	19.6%	5.1x	4.7x
Cloudflare, Inc.		40.50	137.07	(17.8%)	35,195.3	34,610.1	530.6	632.0	34%	(60.5)	(11.4%)	54.8x	40.9x
Commyault Systems, Inc.	75.31	38.90	84.22	(10.6%)	3,454.5	3,117.0	733.9	759.1	7%	62.9	8.6%	4.1x	3.8x
DigitalOcean Holdings, Inc.		35.35	88.48	(12.3%)	8,332.8	7,755.6	366.1	422.3	30%	63.9	17.5%	18.4x	14.1x
Elastic N.V.	148.99	97.48	176.49	(15.6%)	13,676.7	13,276.4	672.7	767.5	25%	(113.3)	(16.8%)	17.3x	13.8x
Exasol AG	13.72	13.54	34.17	(59.8%)	327.2	273.2	34.0	36.1	51%	(29.7)	(87.2%)	7.6x	5.0x
Fastly, Inc.	40.44	33.87	136.50	(70.4%)	4,715.3	4,645.1	323.2	345.2	20%	(131.4)	(40.7%)	13.5x	11.2x
JFrog Ltd.	33.50	33.28	95.20	(64.8%)	3,212.2	2,616.5	175.3	203.7	30%	(33.2)	(18.9%)	12.8x	9.9x
MongoDB, Inc.	471.51	219.51	518.34	(9.0%)	31,203.6	30,632.0	702.2	813.2	31%	(232.4)	(33.1%)	37.7x	28.8x
NetApp, Inc.	89.76	41.90	94.33	(4.8%)	20.073.0	18,416.0	5,899.0	6.151.5	5%	1.227.0	20.8%	3.0x	2.8x
Nutanix, Inc.	37.70	21.35	44.50	(15.3%)	8,076.1	8,047.3	1,394.4	1.503.4	15%	(581.2)	(41.7%)	5.4x	4.7x
OVH Groupe Société anonyme	0.00	0.00	0.00		0.0	0.0	801.1	NA	NA	300.7	37.5%	NM	NM
Rackspace Technology, Inc.	14.22	13.07	26.43	(46.2%)	2,973.9	6,910.8	2,867.6	2,997.1	9%	623.5	21.7%	2.3x	2.1x
Snowflake Inc.	302.43	184.71	429.00	(29.5%)	91,001.2	86,104.6	851.2	1,146.6	64%	(759.5)	(89.2%)	75.1x	45.7x
Software Aktiengesellschaft	46.73	35.00	51.00	(8.4%)	3,457.2	3,169.5	970.3	958.5	8%	201.8	20.8%	3.3x	3.1x
SolarWinds Corporation	16.73	16.60	48.68	(65.6%)	2,643.7	4,282.0	1,045.2	882.3	-16%	182.8	17.5%	4.9x	5.8x
Tuya Inc.	9.07	8.73	27.65	(67.2%)	5,077.0	3,839.3	263.6	338.1	61%	(113.2)	(42.9%)	11.4x	7.1x
UiPath Inc. VeriSign, Inc.	52.61	51.01	90.00	(41.5%)	27,017.1	25,139.4	736.9	873.9	33%	(370.2)	(50.2%)	28.8x	21.6x
VeriSign, Inc.	205.01	184.60	234.56	(12.6%)	22,935.4	23,600.9	1,291.2	1,327.1	9%	881.6	68.3%	17.8x	16.3x
Average												16.7x	12.6x
Median												11.4x	7.1x



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Company Name	Share Price	52-V	Veek	% of 52-	Market	Enterprise	Rev	enue	Revenue	EBITDA	EBITDA	EV/Re	evenue
Company Name	09/30/2021	Low	High	Week High	Cap	Value	LTM	CY2020	Growth ¹	LTM	Margin ²	CY 2021	CY 2022
Vertical Software													
2U, Inc.	\$33.57	\$28.45	\$59.74	(43.8%)	\$2,504.9	\$2,393.6	\$886.0	\$945.3	16%	(\$40.7)	(4.6%)	2.5x	2.2x
Allscripts Healthcare Solutions	13.37	7.89	19.01	(29.7%)	1,671.4	1,954.7	1,494.1	1,502.9	3%	70.0	4.7%	1.3x	1.3x
Amdocs Limited	75.71	54.68	82.38	(8.1%)	9,585.3	9,479.4	4,254.3	4,312.0	5%	802.0	18.9%	2.2x	2.1x
AppFolio, Inc.	120.40	110.22	186.59	(35.5%)	4,167.3	4,071.2	324.5	352.1	19%	6.3	1.9%	11.6x	9.7x
AssetMark Financial Holdings	24.87	21.10	27.20	(8.6%)	1,829.1	1,819.4	465.1	377.6	18%	34.3	7.4%	4.8x	4.1x
Black Knight, Inc.	72.00	68.60	97.19	(25.9%)	11,189.6	13,950.8	1,365.7	1,457.5	9%	476.3	34.9%	9.6x	8.8x
Blackbaud, Inc.	70.35	46.86	80.00	(12.1%)	3,349.1	3,890.8	906.2	911.3	2%	83.4	9.2%	4.3x	4.2x
Boxlight Corporation	2.25	1.29	3.80	(40.8%)	134.7	174.6	121.5	178.2	12%	0.8	0.7%	1.0x	0.9x
Castlight Health, Inc.	1.57	0.77	2.71	(42.1%)	251.6	201.8	142.8	138.5	4%	(2.4)	(1.7%)	1.5x	1.4x
CDK Global, Inc.	42.55	39.78	55.51	(23.3%)	5,141.4	6,636.6	1,673.2	1,734.4	6%	536.0	32.0%	3.8x	3.6x
Cerner Corporation	70.52	67.96	84.20	(16.2%)	20,844.7	21,824.0	5,608.2	5,791.9	5%	1,413.2	25.2%	3.8x	3.6x
Ebix, Inc.	26.93	17.83	64.14	(58.0%)	833.3	1,466.3	912.8	906.8	-35%	139.2	15.3%	1.6x	NM
EngageSmart, LLC	34.06	31.80	38.83	(12.3%)	5,482.2	5,562.7	183.2	NA	NA	25.0	13.6%	NM	NM
Envestnet, Inc.	80.24	61.00	88.45	(9.3%)	4,374.3	4,971.1	1,080.2	1,173.8	12%	153.4	14.2%	4.2x	3.8x
FINEOS Corporation Holdings	3.14	2.43	3.73	(15.9%)	997.2	989.7	128.5	136.7	15%	(9.8)	(7.6%)	7.2x	6.3x
HealthStream, Inc.	28.58	17.95	31.11	(8.1%)	901.8	873.6	251.0	255.8	7%	37.3	14.9%	3.4x	3.2x
Olo Inc.	30.03	22.88	49.00	(38.7%)	4,435.5	3,860.3	130.1	145.3	28%	3.7	2.8%	26.6x	20.8x
Procore Technologies, Inc.	89.34	78.96	108.75	(17.8%)	11,715.2	10,746.3	448.1	500.0	23%	(176.8)	(39.4%)	21.5x	17.5x
Riskified Ltd.	22.81	22.50	40.48	(43.7%)	3,655.3	3,720.2	205.5	224.8	20%	1.6	0.8%	16.5x	13.8x
Stride, Inc.	35.94	20.39	37.21	(3.4%)	1,444.2	1,483.9	1,566.0	1,509.5	1%	145.5	9.3%	1.0x	1.0x
Tabula Rasa HealthCare, Inc.	26.21	26.19	69.31	(62.2%)	612.4	968.8	306.5	343.8	15%	(33.4)	(10.9%)	2.8x	2.4x
Toast, Inc.	49.95	49.00	65.99	(24.3%)	25,093.3	25,566.1	1,183.0	NA	NA	(131.0)	(11.1%)	NM	NM
Tyler Technologies, Inc.	458.65	346.45	498.98	(8.1%)	18,732.8	20,046.1	1,267.9	1.550.7	18%	257.9	20.3%	12.9x	10.9x
Unity Software Inc.	126.25	76.00	174.94	(27.8%)	35,668.0	34,209.3	929.5	1,060.4	26%	(380.0)	(40.9%)	32.3x	25.6x
Unity Software Inc. Veeva Systems Inc.	288.17	235.74	343.96	(16.2%)	44,210.4	42,005.6	1,663.4	1,834.6	19%	481.0	28.9%	22.9x	19.3x
Average												8.7x	7.6x
Median												4.2x	3.9x





Firm Overview

Pagemill Partners A KROLL BUSINESS



DUFF&PHELPS A KROLL BUSINESS

Pagemill Partners, a division of Duff & Phelps, is a technology advisory firm located in the heart of Silicon Valley with representation in London and Paris.

Significant Transaction Experience

- Over 300 transactions completed
- Strong track record of execution, running bespoke and competitive processes

Deep Domain Expertise

- Fluency in key trends in the technology sector
- Thought leaders and strategic advisors to entrepreneurs and the PE community

Unparalleled Access to Buyers

- Unmatched access to technology-focused financial sponsors and strategics
- Regular dialogue with key players in the ecosystem

Unconflicted and Focused Approach

- Singular focus on the technology sector
- Purely focused on M&A advisory services for emerging growth and middle-market clients

Global advisory focused firm ranked No. 5 middle-market M&A advisor for the past 10 years with 350+ corporate finance professionals and nearly 4,000 advisory-focused professionals¹

- Advised on over 75 M&A transactions in 2020
- c.1,000 sell/buy and refinance transactions for 100+ PE firms, corporates and banks in 2020
- Advised 50 cross-border engagements in 2020
- Five dedicated industry practices, each with deep sector expertise
- Established technology, industrials, business services, healthcare and consumer practices
- Provides advisory services to over 65% of the Fortune 100 companies
- Global relationships across industry sectors and geographies
- Unconflicted as the firm does not provide audit services
- Independent advisors to all our clients



Distinguished Enterprise Software Franchise

- Pagemill Partners has completed over 300 transactions, the majority of which are in enterprise software
 - Industry leaders leveraging both SaaS and perpetual models, including companies with hybrid delivery models
 - Underlying technology architecture, reliance on third-party technologies and strategic partnerships, product roadmaps and vertical go-to-market strategies are all important attributes that we have demonstrated experience in articulating and positioning

Perpetual License/Transactional Model





Vertically Focused

Horizontally Focused

































































Experienced Technology M&A Advisors



TRUE WIND



Vertical Software/SaaS

Fintech & Payments

Retail and Commerce Technologies

Consumer Technologies







































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About Duff & Phelps

About Duff & Phelps, A Kroll Business

For nearly 100 years, Duff & Phelps has helped clients make confident decisions in the areas of valuation, real estate, taxation and transfer pricing, disputes, M&A advisory and other corporate transactions. For more information, visit www.duffandphelps.com.

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