# FOUNDERS

#### SAAS

INDUSTRY UPDATE | Q2 2021



#### **NOTABLE & QUOTABLE**

"Something that potential investors must understand: we do not chase revenue as the primary driver of our business. Shopify has been about empowering merchants since it was founded, and we have always prioritized long-term value over short-term revenue opportunities. We don't see this changing." -Shopify Co-Founder, Tobias Lutke

"The future of SaaS will be defined by doing more with less. Today, technology is proactive but tomorrow technology will be predictive."-SalesForce Head of Technology, Chris Makkreel

"Today, 5 percent of the world's [gross domestic product] is spent on tech. In 10 years' time—in fact, this COVID crisis may have accelerated it—that's going to be 10 percent. We are lucky enough to be in an industry that's going to double, and the partner opportunity therefore is clear."—Microsoft CEO, Satya Nadella

PORTING

Founders Advisors continues to field questions from clients around ASC 606 and how it applies specifically to SaaS revenue. Popular SaaS blog Chargebee provides a <a href="https://high-leveloverview">high-leveloverview</a> of the accounting standard in terms that apply specifically to the SaaS model. In addition, the article focuses on how ASC 606 affects tracking of key metrics like MRR, an important valuation benchmark for SaaS businesses.

LUATION

Valuations for the global SaaS market are higher than ever before. PwC's <u>Technology Deals Insights</u> makes the point that, although deal volume was down in Q2, valuations were up for the second highest transaction value per deal in the past 5 years. The pandemic forced companies to embrace cloud-based offerings which continues to benefit the SaaS industry in terms of deal activity.

**JUTLOOK** 

Companies across many industries are expected to spend more on software this year. Jared Council of the Wall Street Journal states that as <u>pandemic restrictions ease</u> and the economy continues to recover, tech spending is expected to rise to record rates. Additionally, Deloitte's <u>Technology Market Outlook</u> highlights growth opportunities throughout the technology industry.

#### **Technology Team Contacts**

Zane Tarence | Managing Director ztarence@foundersib.com

**Chris Weingartner** | *Director* cweingartner@foundersib.com

**Brad Johnson** | *Director* bjohnson@foundersib.com

**Billy Pritchard** | *Vice President* bpritchard@foundersib.com

William Short | Senior Associate wshort@foundersib.com

JP Sloan | Senior Analyst jpsloan@foundersib.com

**Peter Maluff |** *Analyst* pmaluff@foundersib.com

**Swede Umbach |** *Analyst* sumbach@foundersib.com

Rachael Fairchild | Practice Manager rfairchild@foundersib.com

#### **Table of Contents**

Market Quotes & Insights	1
Software Valuation Trends	2-3
Founders Overview	4
Recent Transactions	5-6
Metrics Overview	7
Valuation & Growth Metrics	8-9
Operating Statistics	10-11
Balance Sheet Metrics	12-13
Founders Tech Experience	14



#### How Enterprise Value Translates to Net Transaction Proceeds

In the world of private capital transactions, deal values and statistics are discussed primarily using the Enterprise Value metric. The term "Enterprise Value" (EV) is often defined as the total value ascribed to the business, inclusive of both the company's equity and the debt used to finance operations. When deal values are reported publicly, or through other proprietary databases, we tend to see Enterprise Values for those transactions quoted as a multiple of EBITDA or Total Revenue. EV is an important metric in an investment banking process for several reasons: i) it allows buyers to state a value of the company based on true operational performance, regardless of capitalization and ii) it is the cleanest way for Sellers to compare and discuss different offers on an apples-to-apples basis. However, for many founders of private businesses, Enterprise Values often do not tell the complete story of what a transaction means to them individually.

The adage "Not all Enterprise Values are created equally" is used often around our firm. When reviewing the full scope of an offer to buy a business, the headline Enterprise Value is just a starting point as we determine the true value of the offer. Certainly, a primary factor to consider is the type of transaction (i.e., buyout vs. recapitalization) and the structure of any rollover equity consideration in a recapitalization. Equity preferences and coupon rates can make two similar EVs vastly different from a long-term perspective. However, even in a comparison between offers of 100% buyouts, there are a multitude of factors that sellers should consider in addition to the headline Enterprise Value.

During the decision-making process, we look to equate all offers to a **Net Transaction Proceeds** amount for our clients. In other words, once the deal closes, how much will the shareholders collectively receive from the transaction net of closing adjustments, debt-like items, escrows, and other transaction expenses? As a founder considers a potential liquidity event, they need to fully understand the Net Transaction Proceeds amount in order to plan for the future and make an informed decision on whether a transaction at the stated Enterprise Value trumps another competing offer or outweighs the benefits of retaining the business.

Discussed below are several variables that will impact how Enterprise Value translates into Net Transaction Proceeds. With most of these variables, a lot of time and energy is spent negotiating the specifics of each during the closing process. Sellers should have a complete understanding of these variables and how to approach those negotiations early in the process in order to maximize their Net Transaction Proceeds.

Let's look at an example and discuss the various structural components that create the bridge from a \$100 Million Enterprise Value to a true Net Transaction Proceeds Amount (in this scenario, \$94 Million).

#### **Letter of Intent Language**

In this hypothetical example, a founder will see language in a Letter of Intent (LOI) ascribing value of \$100 Million to the business. That language would likely be worded as follows:

We propose to acquire 100% equity of the Company, on a cash-free, debt-free basis, at an Enterprise Valuation of \$100 Million. The Enterprise Valuation is based on the Trailing Twelve Months EBITDA of \$10 Million. The Purchase Price, subject to standard closing adjustments, will be paid to the Sellers upon successful completion of the definitive transaction documents.

The remainder of the Letter of Intent may discuss a few of the key closing adjustments at a high level (like an Escrow Amount range), but most Buyers will need to complete various levels of their due diligence before agreeing to specific terms and amounts. It is prudent for a Seller to push for an LOI with as much detail as possible for key structure terms. However, Buyers will be hesitant to commit with conviction without a deeper level of due diligence.

#### **Stock Purchase Agreement Language**

Once diligence is underway and legal documents are in process, language will be negotiated in the Purchase Agreement to formalize the terms and the amounts of many closing adjustments. The language in a Stock Purchase Agreement for this hypothetical would likely be structured as follows:

The "Initial Purchase Price" shall be an amount equal to (i) \$100,000,000 (the "Enterprise Value"), plus (ii) Estimated Closing Cash, minus (iii) the Adjustment Escrow Amount, minus (iv) the Indemnity Escrow Amount, minus (v) the aggregate amount of Indebtedness of Seller, minus (vi) the aggregate amount of Estimated Seller Transaction Expenses, plus or minus (vii) the Estimated Net Working Capital Adjustment.

Each of these variables will have separate definitions in the Purchase Agreement, and the negotiations will be centered on what those definitions include or exclude in order to land at an estimated amount for each at the time of closing. While a true-up period will exist post-closing to clean up any missed estimates at the closing table, the negotiated definitions will control the post-closing adjustment process.



## HOW ENTERPRISE VALUE TRANSLATES TO NET TRANSACTION PROCEEDS

#### **Key Closing Adjustments**

In the chart below, we have highlighted several of the common closing adjustments and some key considerations when thinking through how each will impact the Net Proceeds amount.

Structure Item	Overview	Key Considerations
Closing Cash	The amount of Cash left in the business at closing; given the cash-free setup of this transaction, the Buyer is buying that cash amount from the Seller on a dollar-for-dollar basis in most transaction scenarios.	<ul> <li>Timing of Close (end of month v. mid-month) and the impacts of AR and Payroll cycles</li> <li>Is a Minimum Cash amount required to offset a lack of NWC?</li> </ul>
Adjustment Escrow Amount	The Adjustment Escrow is an amount of the purchase price that is set aside at Closing to fund any adjustments to the Initial Purchase Price calculation during the true-up period.	The amount of Estimated Closing Adjustments, including Transaction Expenses & Indebtedness, will determine the reasonable level of the escrow amount
Indemnity Escrow Amount	The Indemnity Escrow is an amount of the purchase price that is set aside at Closing to fund any indemnity claims that arise post-closing.	<ul> <li>Indemnity Escrows are typically determined by a percentage of EV and may be adjusted up or down based on certain findings during the diligence process</li> <li>RWI Insurance Policies can reduce the need for a larger Escrow amount</li> </ul>
Seller Indebtedness	As part of a "debt-free" transaction, Buyers will direct an amount of Transaction Proceeds to payoff any long-term debt. Seller Indebtedness will include any third-party bank debt, but the definition may also be extended to include items such as Accrued Bonuses, Accrued Commissions, and Deferred Revenue.	<ul> <li>For third party debt obligations, Sellers should consider the timing and the bank's process for paying off that debt amount</li> <li>For the business-related liabilities, Sellers will want to negotiate the definition of Indebtedness to prevent a Purchase Price reduction by keeping certain accounts in the Net Working Capital definition</li> </ul>
Seller Transaction Expenses	As part of the Closing funds flow, certain transaction expenses of the Seller will be paid directly from the total proceeds amount. These expenses will include professional fees, and the definition can also be broadened to capture company related expenses like Management Transaction Bonuses.	<ul> <li>Sellers should understand the structure of professional fees, including success-based fees</li> <li>For any management bonuses or other employee incentive compensation, the tax implications of those payments should be considered as part of the funds flow</li> </ul>
Net Working Capital Adjustment	The Net Working Capital adjustment is a protection mechanism for the buyer, which sets a definition for the business's normal course of Working Capital and requires that the Seller deliver that amount through the Balance Sheet at Closing. At a high level, Net Working Capital is typically defined as Current Assets (excluding Cash) minus Current Liabilities.	<ul> <li>In general, Sellers should continue to operate their business on normal course, as NWC primarily protects Buyers from a Seller playing with key Balance Sheet accounts prior to Closing</li> <li>Sellers should be focused on the exact accounts that are included in the definition of Net Working Capital, and the timing of Closing should also be considered, as mid-month closes can have an impact to key NWC accounts</li> </ul>

#### **Summary Thoughts**

- "Not all Enterprise Values are created equally."
- Sellers, along with a team of experienced advisors, should look at a Net Transaction Proceeds estimate early in the sell-side process to fully understand the impact of the potential transaction.
- While Letters of Intent are formal offers, they often remain vague on key structure items that can materially impact a Seller's Net Transaction Proceeds, until further diligence can be performed.
- The definitions of each Closing Adjustment should be carefully reviewed and negotiated by the Seller's team during the legal negotiation process.
- Sellers, along with their advisory team, should be prepared to deliver specific closing day estimates based on the definitions of each Closing Adjustment.
- An experienced sell-side advisor should prepare Sellers for this process by introducing a comprehensive <u>Proceeds Analysis</u> or <u>Flow of Funds</u> model prior to a decision at the Letter of Intent Stage.

View the full blog post, complete with sample proceeds calculations, on Founders Advisors' website.



#### **FOUNDERS ADVISORS OVERVIEW**

#### ACTIVE SaaS VERTICALS EXPERIENCE AND COVERAGE



Fleet Management



**EdTech** 



Supply Chain



GIS Mapping



**FinTech** 



**Non-Profits** 



PropTech



**Payments** 



HCIT



GovTech

## SILICON Y'ALL - SAAS & TECHNOLOGY SUMMIT 2021

From October 26<sup>th</sup> – 28<sup>th</sup>, Founders will host its 8<sup>th</sup> SaaS & Technology Summit – Silicon Y'all. For 2021, the event will take place at the scenic Renaissance Golf Resort and Spa at Ross Bridge, allowing us to show off the best of our home state. The summit is an exclusive gathering of select SaaS and Technology company leaders – registration is limited to 60 CEOs and 15 of the top tech private equity groups spanning the capital continuum. Attendees engage in meaningful discussions about growth, value, and current industry trends.



For more information, please visit SiliconYall.com and click here to join the 2021 waitlist.



Learn from top entrepreneurs in the tech world who have created substantial wealth for themselves and their shareholders.



Network with other executives and entrepreneurs amidst the scenic beauty, rich heritage, and friendly Southern Hospitality.



Enjoy southern cuisine and tradition at its finest during the SaaS & Internet Summit, while you socialize with industry peers.



Hear from keynote speakers as they provide first-hand accounts of their experiences, both missteps and successes.



Engage with private equity groups and strategic acquirers that are focused on SaaS and Internet businesses.



#### **FOUNDERS' CAPABILITIES**



Sell-side Advisory



Targeted Buyside



Strategic Advisory



Divestitures/ Spin Offs



Capital Raises



Debt Recapitalizations

# 17 REAS@NS

For years, Zane has worked to educate entrepreneurs and help them understand steps they need to take in order to build a business that would attract buyers and investors. Those lessons are now available in his recently published book: 17 Reasons Your Company is NOT Investment Grade & What To Do About It.

For more information or to order your own copy, visit <a href="https://www.17-reasons.com">www.17-reasons.com</a>



# **RECENT TRANSACTIONS**

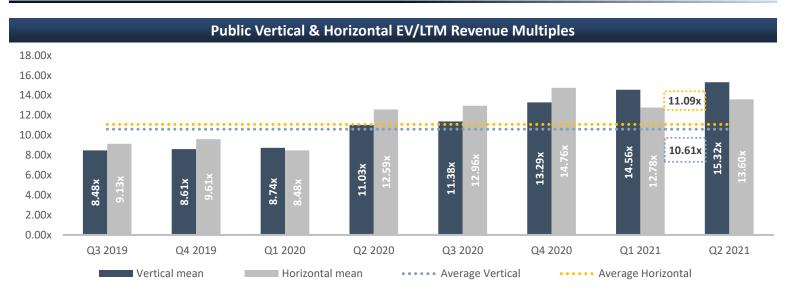
Date	Target	Buyer	Purchase Price	Revenue	EBITDA	Enterprise Value / Revenue	Enterprise Value / EBITDA
6/28/2021	(A) ALLOCATE	<b>⇔</b> RLDatix <sup>™</sup>	\$1,362.0	N/A	N/A	N/A	N/A
6/28/2021	<b>∏</b> QAD	<b>THOMABRAVO</b>	\$1,846.9	\$316.7	\$24.0	5.9x	83.5x
6/25/2021	PL=X°	Rockwell Automation	\$2,200.0	\$150.0	N/A	14.7x	N/A
6/24/2021	tink <sup>*</sup>	VISA	\$2,178.0	N/A	N/A	N/A	N/A
6/23/2021	Playdemic	Electronic Arts	\$1,400.0	N/A	N/A	N/A	N/A
6/22/2021		© Constant Contact	\$213.1	\$30.2	-\$6.9	7.9x	-34.6x
6/17/2021	turbonomic		\$1,750.0	N/A	N/A	N/A	N/A
6/17/2021	Confluence	CLEARLAKE CAPITAL	\$900.0	N/A	N/A	N/A	N/A
6/10/2021	ZEGO	globalpayments	\$925.0	N/A	N/A	N/A	11.9x
6/9/2021	Message Media	sinch	\$1,130.0	\$151.0	\$51.0	7.5x	22.2x
6/9/2021	EKCTO	mastercard.	\$850.0	N/A	N/A	N/A	N/A
6/8/2021	<b>•</b> ExtraHop	BainCapital	\$900.0	\$91.2	N/A	9.9x	N/A
6/7/2021	ecwid	& lightspeed	\$500.0	\$20.0	N/A	25.0x	N/A
6/4/2021	BIGBEAR.AI	<b>⇔</b> GigCapital₄	\$1,565.0	N/A	N/A	N/A	N/A
6/2/2021	stack overflow	prosus	\$1,800.0	N/A	N/A	N/A	N/A
6/1/2021	<b>\</b> * Divvy	<b>bill</b> .com	\$2,500.0	N/A	N/A	N/A	N/A
6/1/2021	FIRST AMERICAN	deluxe.	\$960.0	\$2,079.1	N/A	10.0x	25.0x
6/1/2021	// absorb	WCAS	\$500.0	\$50.0	N/A	10.0x	N/A
6/1/2021	CLOUDERA	DUBILIER 6 RICE KKR	\$4,782.2	\$883.1	\$18.0	6.0x	294.9x

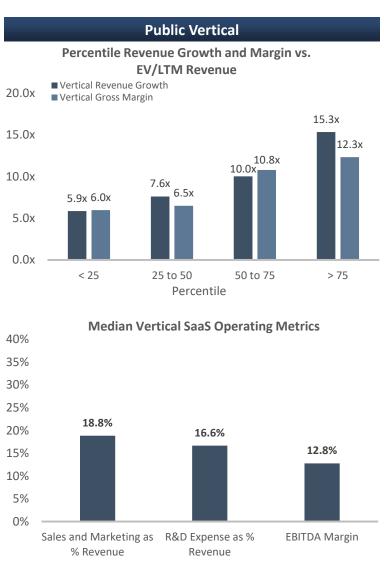


# RECENT TRANSACTIONS, CONT'D

Date	Target	Buyer	Purchase Price	Revenue	EBITDA	Enterprise Value / Revenue	Enterprise Value / EBITDA
5/27/2021	B L U JAY	E20PEN	\$1,700.0	N/A	N/A	N/A	N/A
5/25/2021	nd netdocuments	H COVE HILL	\$1,400.0	N/A	N/A	N/A	N/A
5/18/2021	Soprano	<b>Slink</b> mobility	\$432.7	\$81.0	\$20.8	5.3x	20.8x
5/17/2021	ProQuest.	Clarivate Analytics	\$5,300.0	\$876.0	\$250.0	6.1x <sup>(1)</sup>	21.2x
5/17/2021	<b>2</b> zipwhip	<b>twilio</b>	\$850.0	N/A	N/A	N/A	N/A
5/17/2021	Supplyframe	SIEMENS	\$700.0	\$70.0	N/A	10.0x	N/A
5/7/2021	xmatters x	<b>everbridge</b>	\$240.0	N/A	N/A	4.8x <sup>(1)</sup>	N/A
5/6/2021	NOBLE SYSTEMS	abry partners	\$1,000.0	N/A	N/A	N/A	N/A
5/5/2021	BitGo.	GALAXY DIGITAL	\$1,200.0	N/A	N/A	N/A	N/A
5/4/2021	fenergo:	astorg.	\$1,165.0	\$107.0	N/A	10.9x <sup>(1)</sup>	N/A
5/2/2021	Boomi	FP FRANCISCO PARTNERS	\$4,000.0	N/A	N/A	N/A	N/A
5/4/2021	proofpoint.	THOMABRAVO	\$12,300.0	\$1,090.0	N/A	11.3x	N/A
5/2/2021	<b>♣</b> BlueYonder	Panasonic	\$8,500.0	\$1,000.0	N/A	8.5x	N/A
4/13/2021	ÆNVERUS	Hellman&Friedman	\$4,250.0	\$300.0	N/A	14.2x	N/A
4/12/2021	NUANCE	Microsoft	\$19,700.0	\$1,384.1	\$225.1	14.2x	71.1x
4/8/2021	punchh.	P4R°	\$500.0	\$65.0 <sup>(1)</sup>	N/A	7.7x <sup>(1)</sup>	N/A

#### **METRICS OVERVIEW**





#### **Public Horizontal** Percentile Revenue Growth and Margin vs. **EV/LTM Revenue** ■ Horizontal Revenue Growth 30.0x ■ Horizontal Gross Margin 25.8x 25.0x 17.8x 20.0x 15.8x 13.2x 15.0x 12.6x 10.5x 9.9x 10.0x 5.4x 5.0x 0.0x< 25 25 to 50 50 to 75 > 75 Percentile **Median Horizontal SaaS Operating Metrics** 40% 34.5% 35% 30% 25% 19.5% 20% 15% 10% 3.2% 5% 0% Sales and Marketing as R&D Expense as % **EBITDA Margin** % Revenue Revenue



Source: PitchBook

# **VALUATION & GROWTH METRICS**

	ndex - Valuation & Growth - As of Q2	2021						
(In millions,	)		TTM	YoY		TTM	Enterpris	e Value /
Ticker	Company Name		Revenue	Growth		EBITDA	LTM Revenue	LTM EBITDA
	aaS Companies							
TWOU	2U	\$	831.5	7.4%	\$	(75.9)	3.6x	NI
AMSWA	American Software	\$	112.1	(2.5%)	\$	10.9	5.5x	134.5
APPF	AppFolio	\$	316.5	2.1%	\$	221.8	15.1x	21.5
BKI	Black Knight (US)	\$	1,297.5	4.8%	\$	581.2	13.1x 11.6x	25.8
BL	BlackLine	\$	368.0	4.6%	\$	(8.4)	17.4x	NI NI
BLKB	Blackbaud	\$	908.8	(0.5%)	\$	125.1	4.7x	34.2
BNFT	Benefitfocus	\$	267.1	(0.4%)	ب \$	32.8	2.4x	19.2
CVET	Covetrus	\$	4,376.0	0.9%	۶ \$	74.0	1.0x	61.9
EBIX	Ebix	\$	777.8	24.3%	\$	144.1	2.2x	11.6
FDS	FactSet Research Systems	\$	1,537.7	1.5%	\$	561.5	8.3x	21.8
GWRE	Guidewire Software	\$	757.5	(0.6%)	\$	(1.6)	11.6x	ZI.O NN
HLYK	HealthLynked	\$	6.6	7.3%	\$	(12.1)	21.9x	NI
HSTM	HealthStream	\$	246.7	0.8%	\$	44.0	3.5x	19.4
INOV	Inovalon Holdings	\$	690.5	3.4%	\$	200.9	8.9x	30.6
ISDR	Issuer Direct	\$	19.5	5.2%	\$	3.6	4.3x	23.5
ITI	Iteris	\$ \$	117.1	2.4%	۶ \$	3.3	2.2x	79.7
MCO	Moody's	۶ \$	5,681.0	5.8%	۶ \$	2,929.0	12.7x	24.6
MORN	Morningstar	۶ \$	1,458.3	5.0%	۶ \$	2,929.0 468.1	7.7x	23.9
MOST	MobileSmith	۶ \$	2.0		۶ \$	(72.0)	109.2x	23.9 NN
NCNO	nCino	> \$	2.0	(9.4%) 8.6%	\$ \$	(72.0) (49.7)	109.2x 24.2x	NI
NH	NantHealth	\$ \$	71.2	(2.7%)	۶ \$	(49.7)	6.8x	NI
QTWO	Q2 Software	۶ \$	426.9	6.0%	۶ \$	(49.2)	13.7x	NI
SAIC		۶ \$	7,177.0	1.7%	۶ \$	(47.5) 489.0	13.7x 1.0x	15.4
SDGR	Science Applications International		114.0	5.5%	۶ \$		41.1x	15.4 NN
SPSC	Schrödinger SPS Commerce	\$	328.5	5.1%	۶ \$	(10.9) 58.6	10.3x	57.9
		\$	907.4	2.3%	۶ \$	313.0		
TEMN TKX	Temenos TrackX	\$ \$	2.4	(12.5%)	۶ \$	(0.1)	14.2x 4.2x	41.1 NN
TYL		۶ \$		1.6%	۶ \$	261.2	15.6x	67.9
VEEV	Tyler Technologies	۶ \$	1,134.9 1,561.5	6.6%	۶ \$	464.2		
VEEV	Veeva Systems	Ş	1,501.5	0.0%	Ş	404.2	29.1x	97.9
	Min	\$	2.0	(12.5%)	\$	(72.0)	1.0x	11.6
	Median	\$	397.4	2.4%	\$	51.3	9.6x	25.8
	Mean	\$	1,103.1	2.7%	\$	240.5	14.7x	42.8
	Max	\$	7,177.0	24.3%	\$	2,929.0	109.2x	134.5
	I SaaS Companies							
EGHT	8X8	\$	532.3	4.6%	\$	(119.6)	6.2x	N
ADBE	Adobe Systems	\$	14,389.0	5.2%	\$	5,735.0	19.3x	48.5
ALRM	Alarm.com Holdings	\$	638.6	3.3%	\$	100.4	6.3x	40.3
TEAM	Atlassian	\$	1,960.1	8.7%	\$	(738.8)	32.4x	NI
BNFT	Benefitfocus	\$	267.1	(0.4%)	\$	32.8	2.4x	19.2
BL	BlackLine	\$	368.0	4.6%	\$	(8.4)	17.4x	N
BOX	Box	\$	789.7	2.4%	\$	18.0	5.4x	235.4



# VALUATION & GROWTH METRICS, CONT'D

(In million	s)						
			TTM	YoY	TTM	Enterprise	e Value /
Ticker	Company Name		Revenue	Growth	 EBITDA	LTM Revenue	LTM EBITDA
Horizonta	al SaaS Companies						
BCOV	Brightcove	\$	205.5	4.1%	\$ 7.7	2.7x	71.5
CARB	Carbacid Investments Company	\$	6.5	NM	\$ 2.8	3.2x	7.4
CSLT	Castlight Health	\$	142.7	(2.7%)	\$ (5.3)	2.6x	NI
ECOM	ChannelAdvisor	\$	152.2	4.9%	\$ 24.2	4.3x	26.8
CTXS	Citrix Systems	\$	3,151.5	(2.6%)	\$ 599.9	5.6x	29.6
CSOD	Cornerstone OnDemand	\$	800.1	8.0%	\$ 130.3	5.6x	34.1
COUP	Coupa	\$	589.4	8.8%	\$ (177.3)	34.4x	N
DOCU	DocuSign	\$	1,625.1	11.8%	\$ (135.6)	33.6x	N
EGAN	eGain	\$	77.1	1.8%	\$ 9.9	4.0x	30.8
EVBG	Everbridge	\$	294.5	8.6%	\$ (57.6)	17.3x	NI
FIVN	Five9	\$	477.7	9.8%	\$ (12.6)	26.1x	NI
HUBS	HubSpot	\$	965.4	9.3%	\$ (11.2)	27.7x	NI
INTU	Intuit	\$	8,888.0	15.2%	\$ 2,954.0	14.9x	44.8
KXS	Kinaxis	\$	229.2	2.2%	\$ 28.0	14.7x	120.3
LPSN	LivePerson	\$	396.4	8.1%	\$ (49.3)	10.7x	NI
LOGM	LogMeIn	\$	1,312.7	3.0%	\$ 318.1	NM	NI
MIME	Mimecast	\$	501.4	4.1%	\$ 102.0	6.8x	33.5
MODN	Model N	\$	173.6	5.0%	\$ (5.8)	6.9x	NI
NEWR	New Relic	\$	667.6	2.0%	\$ (84.0)	6.0x	NN
PAYC	Paycom Software	\$	871.3	3.5%	\$ 207.1	24.9x	104.7
PCTY	Paylocity	\$	598.8	2.5%	\$ 92.1	17.2x	111.7
PEGA	Pegasystems	\$	1,065.4	4.7%	\$ (60.4)	10.8x	N
PFPT	Proofpoint	\$	1,088.1	3.6%	\$ (84.5)	9.4x	N
QLYS	Qualys	\$	373.5	2.9%	\$ 107.6	9.7x	33.8
RNG	RingCentral	\$	1,268.5	7.2%	\$ 55.9	21.6x	490.3
CRM	Salesforce.com	\$	22,350.0	5.2%	\$ 5,991.0	9.7x	36.3
SCWX	SecureWorks	\$	559.3	(0.3%)	\$ 11.1	2.5x	125.5
NOW	ServiceNow	\$	4,833.1	6.9%	\$ 565.5	22.2x	189.6
SHOP	Shopify	\$	3,448.1	17.7%	\$ 1,735.7	50.8x	100.9
SMAR	Smartsheet	\$	417.1	8.2%	\$ (127.4)	20.8x	N
UPLD	Upland Software	\$	297.7	2.0%	\$ (12.8)	5.3x	N
VRNS	Varonis Systems	\$	313.3	7.0%	\$ (75.8)	17.8x	N
WIX	Wix.com	\$	1,076.9	8.9%	\$ (166.8)	15.1x	N
WDAY	Workday	\$	4,474.6	3.6%	\$ 180.1	13.0x	322.9
WK	Workiva	\$	370.0	5.2%	\$ (29.9)	14.5x	NN
YEXT	Yext	\$	361.3	1.9%	\$ (79.5)	4.6x	NI
ZEN	Zendesk	\$	1,090.1	5.9%	\$ (132.9)	15.9x	NI
ZIXI	Zix	\$	226.1	3.5%	\$ 37.1	3.2x	19.4
ZUO	Zuora	\$	311.9	2.1%	\$ (64.6)	6.4x	NI
	Min	\$	6.5	(2.7%)	\$ (738.8)	2.4x	7.4
	Median	\$	574.3	4.6%	\$ 5.3	10.7x	44.8
	Mean	\$	1,847.7	5.2%	\$ 365.4	13.6x	99.0
	Max	\$	22,350.0	17.7%	\$ 5,991.0	50.8x	490.3



# **OPERATING STATISTICS**

(In million	is)						
		COGS	Gross	SG&A	R&D Expense	Sales & Marketing	EBITDA
Ticker	Company Name	As a % of Revenue	Margin	As a % of Revenue	As a % of Revenue	As a % of Revenue	Margin
/ertical S	SaaS Companies						
ΓWΟU	2U	30.0%	70.0%	69.9%	19.6%	48.6%	(9.19
AMSWA	American Software	46.3%	53.7%	35.1%	14.8%	18.7%	9.7
APPF	AppFolio	39.0%	61.0%	35.5%	16.3%	19.0%	70.1
ЗКІ	Black Knight (US)						44.8
3L	BlackLine	20.3%	79.7%	70.9%	17.3%	48.4%	(2.39
BLKB	Blackbaud	46.9%	53.1%	37.3%	11.5%	22.0%	13.8
BNFT	Benefitfocus	46.5%	53.5%	31.7%	16.9%	17.8%	12.3
CVET	Covetrus	81.6%	18.4%	19.6%			1.7
EBIX	Ebix	65.1%	34.9%	12.0%	4.6%	1.8%	18.5
FDS	FactSet Research Systems	48.0%	52.0%	22.3%			36.5
GWRE	Guidewire Software	47.9%	52.1%	32.2%	28.0%	20.3%	(0.29
HLYK	HealthLynked			115.9%			NCN
HSTM	HealthStream	36.6%	63.4%	31.8%	13.9%	14.2%	17.8
NOV	Inovalon Holdings	24.8%	75.2%	41.0%	5.1%	9.9%	29.1
SDR	Issuer Direct	28.5%	71.5%	47.2%	4.5%	20.5%	18.3
TI	Iteris	60.0%	40.0%	33.4%	4.4%		2.8
MCO	Moody's	26.9%	73.1%	21.5%			51.6
MORN	Morningstar	39.5%	60.5%	34.4%		14.9%	32.1
MOST	MobileSmith	39.7%	60.3%	246.0%	154.1%	74.8%	NCN
NCNO	nCino	43.1%	56.9%	52.0%	29.2%	29.7%	(22.49
NH	NantHealth	40.9%	59.1%	68.3%	26.3%		(69.19
QTWO	Q2 Software	55.8%	44.2%	34.0%	23.2%	16.9%	(11.19
SAIC	Science Applications International	88.5%	11.5%	5.0%			6.8
SDGR	Schrödinger	43.9%	56.1%	56.6%	63.5%	16.0%	(9.5%
SPSC	SPS Commerce	32.3%	67.7%	40.2%	9.8%	24.0%	17.8
TEMN	Temenos	35.7%	64.3%	26.7%		19.0%	34.5
TKX	TrackX	36.0%	64.0%	75.0%		6.0%	(2.6%
TYL	Tyler Technologies	50.9%	49.1%	23.9%	7.7%		23.0
VEEV	Veeva Systems	27.5%	72.5%	25.5%	20.2%	15.6%	29.7
	Min	20.3%	11.5%	5.0%	4.4%	1.8%	(69.19
	Median	40.9%	59.1%	34.8%	16.6%	18.8%	18.5
	Mean	43.8%	56.2%	48.0%	24.6%	22.9%	12.8
	Max	88.5%	79.7%	246.0%	154.1%	74.8%	70.1
	al SaaS Companies						<b>1</b>
GHT	8X8	43.2%	56.8%	66.9%	17.3%	48.1%	(22.59
ADBE	Adobe Systems	12.1%	87.9%	34.6%	16.4%	27.5%	39.9
ALRM	Alarm.com Holdings	36.8%	63.2%	24.8%	24.3%	12.2%	15.7
TEAM	Atlassian	15.7%	84.3%	31.5%	47.4%	16.2%	(37.7
BNFT	Benefitfocus	46.5%	53.5%	31.7%	16.9%	17.8%	12.3
3L	BlackLine	20.3%	79.7%	70.9%	17.3%	48.4%	(2.3
ЗОХ	Box	29.3%	70.7%	48.5%	25.2%	34.5%	2.3



# **OPERATING STATISTICS, CONT'D**

FA SaaS	Index - Operating Statistics - A	As of Q2 2021					
(In million	ns)						
		COGS	Gross	SG&A	R&D Expense	Sales & Marketing	EBITDA
Ticker	Company Name	As a % of Revenue	Margin	As a % of Revenue	As a % of Revenue	As a % of Revenue	Margin
Horizont	al SaaS Companies						
BCOV	Brightcove	37.3%	62.7%	43.5%	16.3%	30.1%	3.8%
CARB	Carbacid Investments Compa		62.1%	27.4%	NM	NM	43.2%
CSLT	Castlight Health	35.3%	64.7%	37.8%	33.5%	19.9%	(3.7%)
ECOM	ChannelAdvisor	20.8%	79.2%	51.3%	13.0%	36.3%	15.9%
CTXS	Citrix Systems	16.7%	83.3%	49.5%	17.4%	37.8%	19.0%
CSOD	Cornerstone OnDemand	30.7%	69.3%	49.7%	15.0%	35.0%	16.3%
COUP	Coupa	43.9%	56.1%	70.3%	25.6%	45.5%	(30.1%)
DOCU	DocuSign	24.3%	75.7%	65.8%	18.6%	53.3%	(8.3%)
EGAN	eGain	24.9%	75.1%	41.1%	23.1%	30.9%	12.9%
EVBG	Everbridge	29.7%	70.3%	71.1%	22.6%	43.6%	(19.5%)
FIVN	Five9	41.9%	58.1%	46.1%	15.8%	30.8%	(2.6%)
HUBS	HubSpot	19.0%	81.0%	62.8%	23.6%	50.8%	(1.2%)
INTU	Intuit	17.3%	82.7%	35.1%	17.4%	25.0%	33.2%
KXS	Kinaxis	32.6%	67.4%	39.9%	22.4%	23.3%	12.2%
LPSN	LivePerson	29.5%	70.5%	51.1%	29.3%	36.3%	(12.4%)
LOGM	LogMeIn	26.2%	73.8%	46.7%	11.9%	36.1%	24.2%
MIME	Mimecast	24.3%	75.7%	49.4%	19.4%	35.8%	20.3%
MODN	Model N	42.1%	57.9%	40.7%	21.8%	0.0%	(3.4%)
NEWR	New Relic	27.2%	72.8%	72.3%	26.2%	0.0%	(12.6%)
PAYC	Paycom Software	14.9%	85.1%	49.1%	10.7%	NM	23.8%
PCTY	Paylocity	34.4%	65.6%	44.0%	12.3%	0.0%	15.4%
PEGA	Pegasystems	29.5%	70.5%	59.0%	22.6%	NM	(5.7%)
PFPT	Proofpoint	25.7%	74.3%	56.0%	27.1%	NM	(7.8%)
QLYS	Qualys	22.1%	77.9%	38.9%	19.4%	10.7%	28.8%
RNG	RingCentral	27.4%	72.6%	66.2%	16.7%	28.5%	4.4%
CRM	Salesforce.com	25.7%	74.3%	53.6%	16.5%	1.1%	26.8%
SCWX	SecureWorks	42.3%	57.7%	43.6%	19.5%	26.6%	2.0%
NOW	ServiceNow	22.0%	78.0%	49.9%	23.0%	11.6%	11.7%
SHOP	Shopify	46.5%	53.5%	27.5%	17.7%	14.7%	50.3%
SMAR	Smartsheet	22.5%	77.5%	77.7%	31.0%	16.2%	(30.5%)
UPLD	Upland Software	33.8%	66.2%	41.4%	13.6%	212.2%	(4.3%)
VRNS	Varonis Systems	15.2%	84.8%	76.2%	34.1%	3136.9%	(24.2%)
WIX	Wix.com	34.3%	65.7%	56.4%	32.0%	13.4%	(15.5%)
WDAY	Workday	27.4%	72.6%	37.4%	38.4%	43.3%	4.0%
WK	Workiva	24.7%	75.3%	57.5%	26.6%	171.2%	(8.1%)
YEXT	Yext	24.1%	75.9%	82.8%	15.9%	68.3%	(22.0%)
ZEN	Zendesk	23.2%	76.8%	66.1%	24.7%	4.4%	(12.2%)
ZIXI	Zix	53.0%	47.0%	35.2%	10.4%	83.5%	16.4%
ZUO	Zuora	42.1%	57.9%	56.4%	25.1%	156.0%	(20.7%)
	Min	12.1%	47.0%	24.8%	10.4%	1.1%	(37.7%)
	Median	27.4%	72.6%	49.4%	19.5%	34.5%	16.1%
	Mean	29.5%	70.5%	50.8%	21.7%	113.7%	3.2%
	Max	53.0%	87.9%	82.8%	47.4%	3136.9%	50.3%



# **BALANCE SHEET METRICS**

Vertical SaaS Companies           TWOU         2U         (14.3%)         (24.4%)         2.3x         25.9         63.5           AMSWA         American Software         3.3%         4.7%         2.9x         75.4         37.4           APPF         AppFolio         44.4%         69.7%         4.2x         12.5         22.5           BKI         Black Knight (US)         4.5%         9.9%         1.4x         38.6           BL         Blackbaud         0.2%         0.7%         0.7x         40.4         332.2         1           BNFT         Benefitfocus         (4.3%)         3.9x         38.3         14.2         2         47.3         2         44.4         42.0         47.3         42.0         47.3         42.0         47.3         42.1         2.0x         64.5         51.3	ets         Equity           43.2%         40.8%           34.3%         1.5%           23.7%         13.9%           71.7%         86.8%           19.6%         317.3%           38.9%         137.9%           25.9%         951.2%           48.0%         70.5%           49.2%         103.8%           31.3%         90.1%           16.4%         30.2%           70.0%         23.9%           01.7%         8.2%           46.1%         131.7%
Ticker         Company Name         Assets         Equity         Ratio         Outstanding         Asset           Vertical Sas Companies           TWOU         2U         (14.3%)         (24.4%)         2.3x         25.9         63.5           AMSWA         American Software         3.3%         4.7%         2.9x         75.4         37.4           APPF         AppFolio         44.4%         69.7%         4.2x         12.5         22.5           BKI         Black Knight (US)         4.5%         9.9%         1.4x         38.6           BL         BlackLine         (5.2%)         (15.5%)         5.1x         95.2         44.4           BLKB         Blackbaud         0.2%         0.7%         0.7x         40.4         332.2         1           BNFT         Benefitfocus         (4.3%)         3.9x         38.3         14.2         1           CVET         Covetrus         2.1x         42.0         47.3         2         1           EBIX         Ebix         5.6%         14.8%         2.0x         64.5         51.3         53.9         6           GWRE         Guidewire Software         (1.2%)         (1.6%)         6.1x	ets         Equity           43.2%         40.8%           34.3%         1.5%           23.7%         13.9%           71.7%         86.8%           19.6%         317.3%           38.9%         137.9%           25.9%         951.2%           48.0%         70.5%           49.2%         103.8%           31.3%         90.1%           16.4%         30.2%           70.0%         23.9%           01.7%         8.2%           46.1%         131.7%
Vertical SaaS Companies           TWOU         2U         (14.3%)         (24.4%)         2.3x         25.9         63.5           AMSWA         American Software         3.3%         4.7%         2.9x         75.4         37.4           APPF         AppFolio         44.4%         69.7%         4.2x         12.5         22.5           BKI         Black Knight (US)         4.5%         9.9%         1.4x         38.6           BL         Black Line         (5.2%)         (15.5%)         5.1x         95.2         44.4           BLKB         Black baud         0.2%         0.7%         0.7x         40.4         332.2         1           BNFT         Benefitfocus         (4.3%)         3.9x         38.3         14.2         2         1         2         44.4         42.0         47.3         2         44.4         42.0         47.3         2         5         5         5         5         14.8         2.0x         64.5         51.3         5         5         5         5         5         3.2x         38.1         53.9         5         5         6         44.7%         3.2x         38.1         53.9         5         6 <th>43.2% 40.8% 34.3% 1.5% 23.7% 13.9% 71.7% 86.8% 19.6% 317.3% 38.9% 137.9% 25.9% 951.2% 48.0% 70.5% 49.2% 103.8% 31.3% 90.1% 16.4% 30.2% 70.0% 23.9% 01.7% 8.2%</th>	43.2% 40.8% 34.3% 1.5% 23.7% 13.9% 71.7% 86.8% 19.6% 317.3% 38.9% 137.9% 25.9% 951.2% 48.0% 70.5% 49.2% 103.8% 31.3% 90.1% 16.4% 30.2% 70.0% 23.9% 01.7% 8.2%
TWOU         2U         (14.3%)         (24.4%)         2.3x         25.9         63.5           AMSWA         American Software         3.3%         4.7%         2.9x         75.4         37.4           APPF         AppFolio         44.4%         69.7%         4.2x         12.5         22.5           BKI         Black Knight (US)         4.5%         9.9%         1.4x         38.6           BL         BlackLine         (5.2%)         (15.5%)         5.1x         95.2         44.4           BLKB         Blackbaud         0.2%         0.7%         0.7x         40.4         332.2         1           BNFT         Benefitfocus         (4.3%)         3.9x         38.3         14.2         1           CVET         Covetrus         2.1x         42.0         47.3         1         4         2.0         47.3         1         4         2.0         47.3         1         4         2.0         44.3         4         2.0         44.3         4         2.0         44.3         4         2.0         44.3         4         2.0         64.5         51.3         51.3         51.3         51.3         51.3         51.3         51.3 <td< th=""><th>34.3%       1.5%         23.7%       13.9%         71.7%       86.8%         19.6%       317.3%         38.9%       137.9%         25.9%       951.2%         48.0%       70.5%         49.2%       103.8%         31.3%       90.1%         16.4%       30.2%         70.0%       23.9%         01.7%       8.2%         46.1%       131.7%</th></td<>	34.3%       1.5%         23.7%       13.9%         71.7%       86.8%         19.6%       317.3%         38.9%       137.9%         25.9%       951.2%         48.0%       70.5%         49.2%       103.8%         31.3%       90.1%         16.4%       30.2%         70.0%       23.9%         01.7%       8.2%         46.1%       131.7%
AMSWA American Software 3.3% 4.7% 2.9x 75.4 37.4  APPF AppFolio 44.4% 69.7% 4.2x 12.5 22.5  BKI Black Knight (US) 4.5% 9.9% 1.4x 38.6  BL BlackLine (5.2%) (15.5%) 5.1x 95.2 44.4  BLKB Blackbaud 0.2% 0.7% 0.7x 40.4 332.2 1  BNFT Benefitfocus (4.3%) 3.9x 38.3 14.2  CVET Covetrus 2.1x 42.0 47.3  EBIX Ebix 5.6% 14.8% 2.0x 64.5 51.3  FDS FactSet Research Systems 19.2% 44.7% 3.2x 38.1 53.9  GWRE Guidewire Software (1.2%) (1.6%) 6.1x 42.1 25.6  HLYK HealthLynked (211.2%) (2717.6%) 1.4x 7.1  HSTM HealthStream 1.9% 2.8% 1.0x 48.3 69.0 1  INOV Inovalon Holdings 1.7% 4.8% 2.2x 72.4 87.5  ISDR Issuer Direct 7.1% 8.9% 4.4x 47.6 55.3  ITI Iteris 0.4% 0.7% 2.1x 59.4 42.8  MCO Moody's 17.1% 150.8% 2.2x 91.2 53.1  MORN Morningstar 10.1% 21.6% 1.2x 49.4 36.9  MOST MobileSmith (5068.0%) 1.39%) 3.3x 67.0 25.6  NH NantHealth (44.3%) 0.2x 23.0 99.3 66	34.3%       1.5%         23.7%       13.9%         71.7%       86.8%         19.6%       317.3%         38.9%       137.9%         25.9%       951.2%         48.0%       70.5%         49.2%       103.8%         31.3%       90.1%         16.4%       30.2%         70.0%       23.9%         01.7%       8.2%         46.1%       131.7%
APPF AppFolio 44.4% 69.7% 4.2x 12.5 22.5 BKI Black Knight (US) 4.5% 9.9% 1.4x 38.6 BL BlackLine (5.2%) (15.5%) 5.1x 95.2 44.4 BLKB Blackbaud 0.2% 0.7% 0.7x 40.4 332.2 1 BNFT Benefitfocus (4.3%) 3.9x 38.3 14.2 CVET Covetrus 2.1x 42.0 47.3 EBIX Ebix 5.6% 14.8% 2.0x 64.5 51.3 FDS FactSet Research Systems 19.2% 44.7% 3.2x 38.1 53.9 GWRE Guidewire Software (1.2%) (1.6%) 6.1x 42.1 25.6 HLYK HealthLynked (211.2%) (2717.6%) 1.4x 7.1 HSTM HealthStream 1.9% 2.8% 1.0x 48.3 69.0 1 INOV Inovalon Holdings 1.7% 4.8% 2.2x 72.4 87.5 ISDR Issuer Direct 7.1% 8.9% 4.4x 47.6 55.3 ITI Iteris 0.4% 0.7% 2.1x 59.4 42.8 MCO Moody's 17.1% 150.8% 2.2x 91.2 53.1 MORN Morningstar 10.1% 21.6% 1.2x 49.4 36.9 MOST MobileSmith (5068.0%) 2.1x 36.4 328.2 NCNO nCino (10.5%) (13.9%) 3.3x 67.0 25.6 NH NantHealth (44.3%) 0.2x 23.0 99.3 66	23.7%       13.9%         71.7%       86.8%         19.6%       317.3%         38.9%       137.9%         25.9%       951.2%         48.0%       70.5%         49.2%       103.8%         31.3%       90.1%         16.4%       30.2%         70.0%       23.9%         01.7%       8.2%         46.1%       131.7%
BKI       Black Knight (US)       4.5%       9.9%       1.4x       38.6         BL       BlackLine       (5.2%)       (15.5%)       5.1x       95.2       44.4         BLKB       Blackbaud       0.2%       0.7%       0.7x       40.4       332.2       1         BNFT       Benefitfocus       (4.3%)       3.9x       38.3       14.2       14.2         CVET       Covetrus       2.1x       42.0       47.3       2       1       14.2 <td>71.7% 86.8% 317.3% 38.9% 137.9% 951.2% 48.0% 70.5% 49.2% 103.8% 31.3% 90.1% 16.4% 30.2% 70.0% 23.9% 01.7% 8.2% 46.1% 131.7%</td>	71.7% 86.8% 317.3% 38.9% 137.9% 951.2% 48.0% 70.5% 49.2% 103.8% 31.3% 90.1% 16.4% 30.2% 70.0% 23.9% 01.7% 8.2% 46.1% 131.7%
BL       BlackLine       (5.2%)       (15.5%)       5.1x       95.2       44.4         BLKB       Blackbaud       0.2%       0.7%       0.7x       40.4       332.2       1         BNFT       Benefitfocus       (4.3%)       3.9x       38.3       14.2         CVET       Covetrus       2.1x       42.0       47.3         EBIX       Ebix       5.6%       14.8%       2.0x       64.5       51.3         FDS       FactSet Research Systems       19.2%       44.7%       3.2x       38.1       53.9         GWRE       Guidewire Software       (1.2%)       (1.6%)       6.1x       42.1       25.6         HLYK       HealthLynked       (211.2%)       (2717.6%)       1.4x       7.1         HSTM       HealthStream       1.9%       2.8%       1.0x       48.3       69.0       1         INOV       Inovalon Holdings       1.7%       4.8%       2.2x       72.4       87.5         ISDR       Issuer Direct       7.1%       8.9%       4.4x       47.6       55.3         ITI       Iteris       0.4%       0.7%       2.1x       59.4       42.8         MCO       Moody's	19.6%       317.3%         38.9%       137.9%         25.9%       951.2%         48.0%       70.5%         49.2%       103.8%         31.3%       90.1%         16.4%       30.2%         70.0%       23.9%         01.7%       8.2%         46.1%       131.7%
BLKB         Blackbaud         0.2%         0.7%         0.7x         40.4         332.2         1           BNFT         Benefitfocus         (4.3%)         3.9x         38.3         14.2           CVET         Covetrus         2.1x         42.0         47.3           EBIX         Ebix         5.6%         14.8%         2.0x         64.5         51.3           FDS         FactSet Research Systems         19.2%         44.7%         3.2x         38.1         53.9           GWRE         Guidewire Software         (1.2%)         (1.6%)         6.1x         42.1         25.6           HLYK         HealthLynked         (211.2%)         (2717.6%)         1.4x         7.1           HSTM         HealthStream         1.9%         2.8%         1.0x         48.3         69.0         1           INOV         Inovalon Holdings         1.7%         4.8%         2.2x         72.4         87.5           ISDR         Issuer Direct         7.1%         8.9%         4.4x         47.6         55.3           ITI         Iteris         0.4%         0.7%         2.1x         59.4         42.8           MCO         Moody's         17.1%	38.9%       137.9%         25.9%       951.2%         48.0%       70.5%         49.2%       103.8%         31.3%       90.1%         16.4%       30.2%         70.0%       23.9%         01.7%       8.2%         46.1%       131.7%
BNFT Benefitfocus (4.3%) 3.9x 38.3 14.2 CVET Covetrus 2.1x 42.0 47.3 EBIX Ebix 5.6% 14.8% 2.0x 64.5 51.3 FDS FactSet Research Systems 19.2% 44.7% 3.2x 38.1 53.9 GWRE Guidewire Software (1.2%) (1.6%) 6.1x 42.1 25.6 HLYK HealthLynked (211.2%) (2717.6%) 1.4x 7.1 HSTM HealthStream 1.9% 2.8% 1.0x 48.3 69.0 1 INOV Inovalon Holdings 1.7% 4.8% 2.2x 72.4 87.5 ISDR Issuer Direct 7.1% 8.9% 4.4x 47.6 55.3 ITI Iteris 0.4% 0.7% 2.1x 59.4 42.8 MCO Moody's 17.1% 150.8% 2.2x 91.2 53.1 MORN Morningstar 10.1% 21.6% 1.2x 49.4 36.9 MOST MobileSmith (5068.0%) 2.1x 36.4 328.2 NCNO nCino (10.5%) (13.9%) 3.3x 67.0 25.6 NH NantHealth (44.3%) 0.2x 23.0 99.3 6	25.9%       951.2%         48.0%       70.5%         49.2%       103.8%         31.3%       90.1%         16.4%       30.2%         70.0%       23.9%         01.7%       8.2%         46.1%       131.7%
CVET       Covetrus       2.1x       42.0       47.3         EBIX       Ebix       5.6%       14.8%       2.0x       64.5       51.3         FDS       FactSet Research Systems       19.2%       44.7%       3.2x       38.1       53.9         GWRE       Guidewire Software       (1.2%)       (1.6%)       6.1x       42.1       25.6         HLYK       HealthLynked       (211.2%)       (2717.6%)       1.4x       7.1         HSTM       HealthStream       1.9%       2.8%       1.0x       48.3       69.0       1         INOV       Inovalon Holdings       1.7%       4.8%       2.2x       72.4       87.5         ISDR       Issuer Direct       7.1%       8.9%       4.4x       47.6       55.3         ITI       Iteris       0.4%       0.7%       2.1x       59.4       42.8         MCO       Moody's       17.1%       150.8%       2.2x       91.2       53.1         MORN       Morningstar       10.1%       21.6%       1.2x       49.4       36.9         MOST       MobileSmith       (5068.0%)       2.1x       36.4       328.2         NCNO       nCino       (10.5%) <td>48.0%       70.5%         49.2%       103.8%         31.3%       90.1%         16.4%       30.2%         70.0%       23.9%         01.7%       8.2%         46.1%       131.7%</td>	48.0%       70.5%         49.2%       103.8%         31.3%       90.1%         16.4%       30.2%         70.0%       23.9%         01.7%       8.2%         46.1%       131.7%
EBIX         Ebix         5.6%         14.8%         2.0x         64.5         51.3           FDS         FactSet Research Systems         19.2%         44.7%         3.2x         38.1         53.9           GWRE         Guidewire Software         (1.2%)         (1.6%)         6.1x         42.1         25.6           HLYK         HealthLynked         (211.2%)         (2717.6%)         1.4x         7.1           HSTM         HealthStream         1.9%         2.8%         1.0x         48.3         69.0         1           INOV         Inovalon Holdings         1.7%         4.8%         2.2x         72.4         87.5           ISDR         Issuer Direct         7.1%         8.9%         4.4x         47.6         55.3           ITI         Iteris         0.4%         0.7%         2.1x         59.4         42.8           MCO         Moody's         17.1%         150.8%         2.2x         91.2         53.1           MORN         Morningstar         10.1%         21.6%         1.2x         49.4         36.9           MOST         MobileSmith         (5068.0%)         2.1x         36.4         328.2           NCNO         nCino <td>49.2%       103.8%         31.3%       90.1%         16.4%       30.2%         70.0%       23.9%         01.7%       8.2%         46.1%       131.7%</td>	49.2%       103.8%         31.3%       90.1%         16.4%       30.2%         70.0%       23.9%         01.7%       8.2%         46.1%       131.7%
FDS         FactSet Research Systems         19.2%         44.7%         3.2x         38.1         53.9           GWRE         Guidewire Software         (1.2%)         (1.6%)         6.1x         42.1         25.6           HLYK         HealthLynked         (211.2%)         (2717.6%)         1.4x         7.1           HSTM         HealthStream         1.9%         2.8%         1.0x         48.3         69.0         1           INOV         Inovalon Holdings         1.7%         4.8%         2.2x         72.4         87.5           ISDR         Issuer Direct         7.1%         8.9%         4.4x         47.6         55.3           ITI         Iteris         0.4%         0.7%         2.1x         59.4         42.8           MCO         Moody's         17.1%         150.8%         2.2x         91.2         53.1           MORN         Morningstar         10.1%         21.6%         1.2x         49.4         36.9           MOST         MobileSmith         (5068.0%)         2.1x         36.4         328.2           NCNO         nCino         (10.5%)         (13.9%)         3.3x         67.0         25.6           NH         NantH	31.3% 90.1% 16.4% 30.2% 70.0% 23.9% 01.7% 8.2% 46.1% 131.7%
GWRE         Guidewire Software         (1.2%)         (1.6%)         6.1x         42.1         25.6           HLYK         HealthLynked         (211.2%)         (2717.6%)         1.4x         7.1           HSTM         HealthStream         1.9%         2.8%         1.0x         48.3         69.0         1           INOV         Inovalon Holdings         1.7%         4.8%         2.2x         72.4         87.5           ISDR         Issuer Direct         7.1%         8.9%         4.4x         47.6         55.3           ITI         Iteris         0.4%         0.7%         2.1x         59.4         42.8           MCO         Moody's         17.1%         150.8%         2.2x         91.2         53.1           MORN         Morningstar         10.1%         21.6%         1.2x         49.4         36.9           MOST         MobileSmith         (5068.0%)         2.1x         36.4         328.2           NCNO         nCino         (10.5%)         (13.9%)         3.3x         67.0         25.6           NH         NantHealth         (44.3%)         0.2x         23.0         99.3         6	16.4%       30.2%         70.0%       23.9%         01.7%       8.2%         46.1%       131.7%
HLYK         HealthLynked         (211.2%)         (2717.6%)         1.4x         7.1           HSTM         HealthStream         1.9%         2.8%         1.0x         48.3         69.0         1           INOV         Inovalon Holdings         1.7%         4.8%         2.2x         72.4         87.5           ISDR         Issuer Direct         7.1%         8.9%         4.4x         47.6         55.3           ITI         Iteris         0.4%         0.7%         2.1x         59.4         42.8           MCO         Moody's         17.1%         150.8%         2.2x         91.2         53.1           MORN         Morningstar         10.1%         21.6%         1.2x         49.4         36.9           MOST         MobileSmith         (5068.0%)         2.1x         36.4         328.2           NCNO         nCino         (10.5%)         (13.9%)         3.3x         67.0         25.6           NH         NantHealth         (44.3%)         0.2x         23.0         99.3         6	70.0% 23.9% 01.7% 8.2% 46.1% 131.7%
HSTM         HealthStream         1.9%         2.8%         1.0x         48.3         69.0         1           INOV         Inovalon Holdings         1.7%         4.8%         2.2x         72.4         87.5           ISDR         Issuer Direct         7.1%         8.9%         4.4x         47.6         55.3           ITI         Iteris         0.4%         0.7%         2.1x         59.4         42.8           MCO         Moody's         17.1%         150.8%         2.2x         91.2         53.1           MORN         Morningstar         10.1%         21.6%         1.2x         49.4         36.9           MOST         MobileSmith         (5068.0%)         2.1x         36.4         328.2           NCNO         nCino         (10.5%)         (13.9%)         3.3x         67.0         25.6           NH         NantHealth         (44.3%)         0.2x         23.0         99.3         6	01.7% 8.2% 46.1% 131.7%
INOV         Inovalon Holdings         1.7%         4.8%         2.2x         72.4         87.5           ISDR         Issuer Direct         7.1%         8.9%         4.4x         47.6         55.3           ITI         Iteris         0.4%         0.7%         2.1x         59.4         42.8           MCO         Moody's         17.1%         150.8%         2.2x         91.2         53.1           MORN         Morningstar         10.1%         21.6%         1.2x         49.4         36.9           MOST         MobileSmith         (5068.0%)         2.1x         36.4         328.2           NCNO         nCino         (10.5%)         (13.9%)         3.3x         67.0         25.6           NH         NantHealth         (44.3%)         0.2x         23.0         99.3         6	46.1% 131.7%
ISDR         Issuer Direct         7.1%         8.9%         4.4x         47.6         55.3           ITI         Iteris         0.4%         0.7%         2.1x         59.4         42.8           MCO         Moody's         17.1%         150.8%         2.2x         91.2         53.1           MORN         Morningstar         10.1%         21.6%         1.2x         49.4         36.9           MOST         MobileSmith         (5068.0%)         2.1x         36.4         328.2           NCNO         nCino         (10.5%)         (13.9%)         3.3x         67.0         25.6           NH         NantHealth         (44.3%)         0.2x         23.0         99.3         6	
ITI     Iteris     0.4%     0.7%     2.1x     59.4     42.8       MCO     Moody's     17.1%     150.8%     2.2x     91.2     53.1       MORN     Morningstar     10.1%     21.6%     1.2x     49.4     36.9       MOST     MobileSmith     (5068.0%)     2.1x     36.4     328.2       NCNO     nCino     (10.5%)     (13.9%)     3.3x     67.0     25.6       NH     NantHealth     (44.3%)     0.2x     23.0     99.3     6	12 70/
MCO     Moody's     17.1%     150.8%     2.2x     91.2     53.1       MORN     Morningstar     10.1%     21.6%     1.2x     49.4     36.9       MOST     MobileSmith     (5068.0%)     2.1x     36.4     328.2       NCNO     nCino     (10.5%)     (13.9%)     3.3x     67.0     25.6       NH     NantHealth     (44.3%)     0.2x     23.0     99.3     6	22.7% 6.6%
MORN       Morningstar       10.1%       21.6%       1.2x       49.4       36.9         MOST       MobileSmith       (5068.0%)       2.1x       36.4       328.2         NCNO       nCino       (10.5%)       (13.9%)       3.3x       67.0       25.6         NH       NantHealth       (44.3%)       0.2x       23.0       99.3       6	47.4% 12.8%
MOST       MobileSmith       (5068.0%)       2.1x       36.4       328.2         NCNO       nCino       (10.5%)       (13.9%)       3.3x       67.0       25.6         NH       NantHealth       (44.3%)       0.2x       23.0       99.3       6	45.9% 307.4%
NCNO nCino (10.5%) (13.9%) 3.3x 67.0 25.6 NH NantHealth (44.3%) 0.2x 23.0 99.3 6	83.6% 43.2%
NH NantHealth (44.3%) 0.2x 23.0 99.3 6	46.8% -114.9%
· · ·	30.4% 6.7%
QTWO Q2 Software (10.1%) (22.1%) 4.0x 29.9 17.6	11.7% -173.5%
	24.9% 95.8%
SAIC Science Applications Internation 4.7% 18.7% 1.0x 41.2 45.9	97.1% 169.8%
SDGR Schrödinger (2.2%) (2.6%) 10.0x 54.5 47.6	10.0% 1.6%
SPSC SPS Commerce 9.4% 11.7% 3.6x 36.4 16.7	28.1% 5.0%
TEMN Temenos 8.8% 42.1% 0.7x 118.3 247.6 1	49.6% 185.7%
TKX TrackX (73.0%) 0.6x 83.7 366.0 1	65.6% -89.1%
TYL Tyler Technologies 7.1% 9.7% 3.2x 115.8 7.5	30.9% 29.8%
VEEV Veeva Systems 14.8% 19.3% 3.5x 68.6 30.7	28.4% 2.5%
	10.0% -173.5%
Median 1.8% 6.9% 2.2x 47.6 47.3	45.9% 30.2%
Mean (188.7%) (98.4%) 2.8x 53.9 84.1	73.9% 86.1%
Max 44.4% 150.8% 10.0x 118.3 366.0 6	11.7% 951.2%
Horizontal SaaS Companies	
	43.9% 251.6%
	76.1% 33.9%
	11.4% 83.6%
	25.9% 951.2%
BOX Box (2.9%) (35.0%) 1.4x 62.7 19.7	



# BALANCE SHEET METRICS, CONT'D

(In million	Index - Balance Sheet Metrics (ss)							
	-,	Return on	Return on	Current	Days Sales	Days Payable	Liabilities/	Debt/
Ticker	Company Name	Assets	Equity	Ratio	Outstanding	Outstanding	Assets	Equity
Horizont	al SaaS Companies							
BCOV	Brightcove	3.9%	9.4%	0.9x	51.9	56.1	107.7%	9.49
CARB	Carbacid Investments Compar	9.3%	10.4%	5.8x	77.8	101.3	17.4%	
CSLT	Castlight Health	(5.2%)	(7.3%)	2.5x	81.1	56.0	39.9%	9.59
СОМ	ChannelAdvisor	13.1%	18.3%	2.7x	56.4	6.3	37.0%	3.09
CTXS	Citrix Systems	8.3%	1749.5%	0.7x	76.6	124.3	145.3%	1469.3
CSOD	Cornerstone OnDemand	(2.1%)	(15.9%)	0.6x	70.8	23.4	159.4%	411.29
COUP	Coupa	(10.8%)	(39.7%)	0.8x	78.8	6.8	130.0%	157.29
ocu	DocuSign	(9.6%)	(50.5%)	1.0x	57.5	25.7	98.8%	389.29
EGAN	eGain	7.8%	18.9%	1.6x	79.8	37.3	61.4%	6.39
EVBG	Everbridge	(9.1%)	(34.0%)	3.3x	98.8	38.4	30.2%	179.09
IVN	Five9	(5.0%)	(20.5%)	6.5x	30.6	27.1	15.4%	577.79
HUBS	HubSpot	(4.9%)	(12.4%)	2.8x	37.6	26.7	35.2%	95.69
NTU	Intuit	18.1%	31.4%	2.0x	12.2	124.6	50.9%	24.89
ΚXS	Kinaxis	1.6%	2.4%	2.3x	71.2	61.0	42.7%	5.69
_PSN	LivePerson	(12.8%)	(50.0%)	3.5x	69.1	44.8	28.6%	214.89
OGM	LogMeIn	0.2%	0.3%	0.7x	27.5	52.9	143.6%	11.09
MIME	Mimecast	3.6%	10.0%	1.3x	69.4	43.0	78.0%	69.29
MODN	Model N	(7.4%)	(19.7%)	2.4x	72.3	20.1	41.1%	109.49
NEWR	New Relic	(14.7%)	(47.3%)	2.3x	74.1	38.9	44.1%	124.99
PAYC	Paycom Software	5.7%	22.5%	1.1x	4.9	37.4	92.4%	4.19
PCTY	Paylocity	2.7%	15.8%	1.1x	3.7	5.2	93.0%	16.89
PEGA	Pegasystems	(2.8%)	(8.0%)	2.3x	60.7	26.8	43.9%	130.59
PFPT	Proofpoint	(5.6%)	(27.6%)	1.4x	64.6	7.4	73.6%	382.69
QLYS	Qualys	10.3%	18.3%	1.8x	77.9	5.5	56.0%	13.79
RNG	RingCentral	(1.1%)	(6.1%)	1.7x	38.4	75.5	59.7%	676.19
CRM	Salesforce.com	7.4%	11.3%	1.3x	67.9	210.6	75.0%	14.49
SCWX	SecureWorks	(2.0%)	(3.1%)	1.2x	70.0	35.6	83.2%	3.29
WON	ServiceNow	2.0%	5.7%	1.2x	53.4	28.4	81.0%	69.49
SHOP	Shopify	23.2%	27.4%	17.1x	22.2	61.1	5.8%	11.89
SMAR	Smartsheet	(14.7%)	(23.9%)	1.8x	63.3	14.5	56.1%	16.49
JPLD	Upland Software	(5.4%)	(21.2%)	1.7x	57.2	48.6	58.7%	167.89
/RNS	Varonis Systems	(17.0%)	(53.7%)	5.0x	68.2	5.8	19.9%	47.49
NIX	, Wix.com	(15.3%)	(103.3%)	1.8x	7.6	69.1	56.9%	472.79
NDAY	Workday	(2.1%)	(5.6%)	0.9x	60.4	16.2	107.8%	63.49
ΝK	Workiva	(6.6%)	(63.7%)	2.3x	52.3	17.9	44.0%	475.79
/EXT	Yext	(15.0%)	(40.9%)	1.5x	61.0	63.8	66.9%	61.09
ĽEN	Zendesk	(11.4%)	(52.1%)	1.7x	51.7	25.1	57.3%	275.09
ZIXI	Zix	(1.9%)	(23.1%)	0.6x	24.2	52.3	172.0%	152.89
.uo	Zuora	(18.2%)	(43.5%)	1.6x	71.5	17.0	63.6%	40.59
	Min	(24.0%)	(162.9%)	0.6x	3.7	5.2	5.8%	3.09
	Median	(2.9%)	(12.4%)	1.7x	60.6	37.9	58.0%	95.69
	Mean	(2.4%)	20.7%	2.5x	54.6	47.2	66.3%	207.69
	Max	23.5%	1749.5%	17.1x	98.8	210.6	172.0%	1469.39



#### **FOUNDERS TECHNOLOGY TRANSACTIONS**



Has been acquired by

#### **KOFAX**

Sell-Side Advisor

#### Workflow Automation Platform

Has been recapitalized by An undisclosed financial buyer

Sell-Side Advisor



Has been acquired by

((SSp innovations

Sell-Side Advisor





Sell-Side Advisor



AKKR

Financial Advisor

#### VINCARI

Has been acquired by



**COCONSTRUCT** 

Sell-Side Advisor



Has been acquired by

SSM

Sell-Side Advisor

## **Predikto**

Has been acquired by



Sell-Side Advisor



recapitalized by

PARTHENON CAPITAL PARTNERS

Financial Advisor



Financial Advisor

Vertical Software

GSV GREATER SUM VENTURES

Innova Zones Has been recapitalized by

aramark 👕 Financial Advisor





Sell-Side Advisor



Financial Advisor



Has been acquired by

INSIGHT

Sell-Side Advisor





Sell-Side Advisor



Has been acquired by



Sell-Side Advisor



recapitalized by **GO CAPITAL** 

Financial Advisor

Ministry Brands in10sity Have been acquired by PROVIDENCEEQUITY

Sell-Side Advisor



Sell-Side Advisor



Has been acquired by



Financial Advisor



Has been acquired by



Sell-Side Advisor



Has been acquired by



Sell-Side Advisor



**community**brands Sell-Side Advisor



**5** scribble Sell-Side Advisor



THE MUSTANG GROUP Financial Advisor



Sell-Side Advisor



recapitalized by

Financial Advisor

HEALTH INFORMATION DESIGNS Has been recapitalized by INVESTO SINCE 1983

Financial Advisor



Has been acquired by



Sell-Side Advisor



(I) INVESTOPEDIA A subsidiary of

**IAC** 

Sell-Side Advisor

#### TICKET+BISCUIT Has been

recapitalized by BALLAST POINT

Financial Advisor

#### ABOUT AIRPORT PARKING

Has been acquired by

OVERSEE.NET Sell-Side Advisor



CALLIDUS

Sell-Side Advisor



Sell-Side Advisor

<del></del> SHIPT⁻

#### **red**Orbit



Sell-Side Advisor





Sell-Side Advisor

# **Smarter**Services

recapitalized by MAIN LINE

Sell-Side Advisor



ALPINE INVESTORS, L.P. Sell-Side Advisor

nursing jobs.org

Has been acquired by

Internet Brands

Sell-Side Advisor

Has secured growth funding from C&G CAPITAL

Financial Advisor

CreditorWeb">>>>

Has been acquired by

#### oh my veggies TICKET+BISCUIT Has been acquired by

301 Digital Media.

Sell-Side Advisor

Has secured growth capital from **↑** HMC GREYCROFT Strategic Advisor

TriNovus

Has been acquired by

TEMENOS

# DepositAccounts

#### Has been acquired by lendingtree

Sell-Side Advisor

BARGAINEERING

Has been acquired by

Bankrate, Inc.

Sell-Side Advisor



Sell-Side Advisor

Top Insurance Lead-

**Gen Company** 

Has been acquired by

Bankrate, Inc.

Financial Advisor

# Has been acquired by Sell-Side Advisor

mma





Sell-Side Advisor













Strategic Buyer

Sell-Side Advisor

Sell-Side Advisor







#### FOUNDERS IN THE PRESS

Duane Donner, founder and CEO of Founders, was recently a featured columnist in CEOWORLD Magazine. As an experienced advisor of family-owned businesses, Duane gives the following summary of current conditions:

"2021 can be an excellent time to sell a family business — the best in many years and for many years to come. Market conditions are right and family dynamics are more favorable to a sale to an outside entity than in the past. The key to a successful sale is being clear on your objectives up front, taking time to find the right buyer/partner and being reasonable in negotiating the terms of the sale so that both seller and buyer get most of what they want."



The full article may be viewed on the CEOWORLD website here.

# Founders

#### **Technology Team Contacts**

**Zane Tarence** 

Managing Director / Partner ztarence@foundersib.com

#### **Chris Weingartner**

Director

cweingartner@foundersib.com

#### **Brad Johnson**

Director

bjohnson@foundersib.com

#### **Billy Pritchard**

Vice President

bpritchard@foundersib.com

#### **William Short**

Senior Associate

wshort@foundersib.com

#### JP Sloan

Senior Analyst

ipsloan@foundersib.com

#### **Peter Maluff**

Analyst

pmaluff@foundersib.com

#### **Swede Umbach**

Analyst

sumbach@foundersib.com

#### **Rachael Fairchild**

Practice Group Manager rfairchild@foundersib.com

**FOUNDERS ADVISORS** is a merger, acquisition & strategic advisory firm serving middle-market companies. Founders' focus is on SaaS, software, internet, digital media, industrials, oil and gas, business services, consumer, and healthcare companies located nationwide. Founders' skilled professionals, proven expertise and process-based solutions help companies access growth capital, make acquisitions, and/or prepare for and execute liquidity events to achieve specific financial goals.

# Sales & Growth Capital Strategic Advisory Targeted Acquisitions Thought Leadership Weekly Blogs Founders' Forums Videos Technology Vertical Focus Technology Vertical Focus

- Fleet Management
- EdTech
- Supply Chain
- GIS Mapping
- Internet & Digital Media
- FinTech
- Non-Profit Software
- Property TechPayments
- Big Data
- HCIT
- GovTech
- eCommerce
- IT/ Managed ServicesInternet of Things



To provide securities-related services discussed herein, certain principals of Founders Advisors, LLC are licensed with Founders M&A Advisory, LLC, member of <u>FINRA</u> & <u>SIPC</u>. Founders M&A Advisory is a wholly-owned subsidiary of Founders Advisors. Neither Founders M&A Advisory nor Founders Advisors provide investment advice.