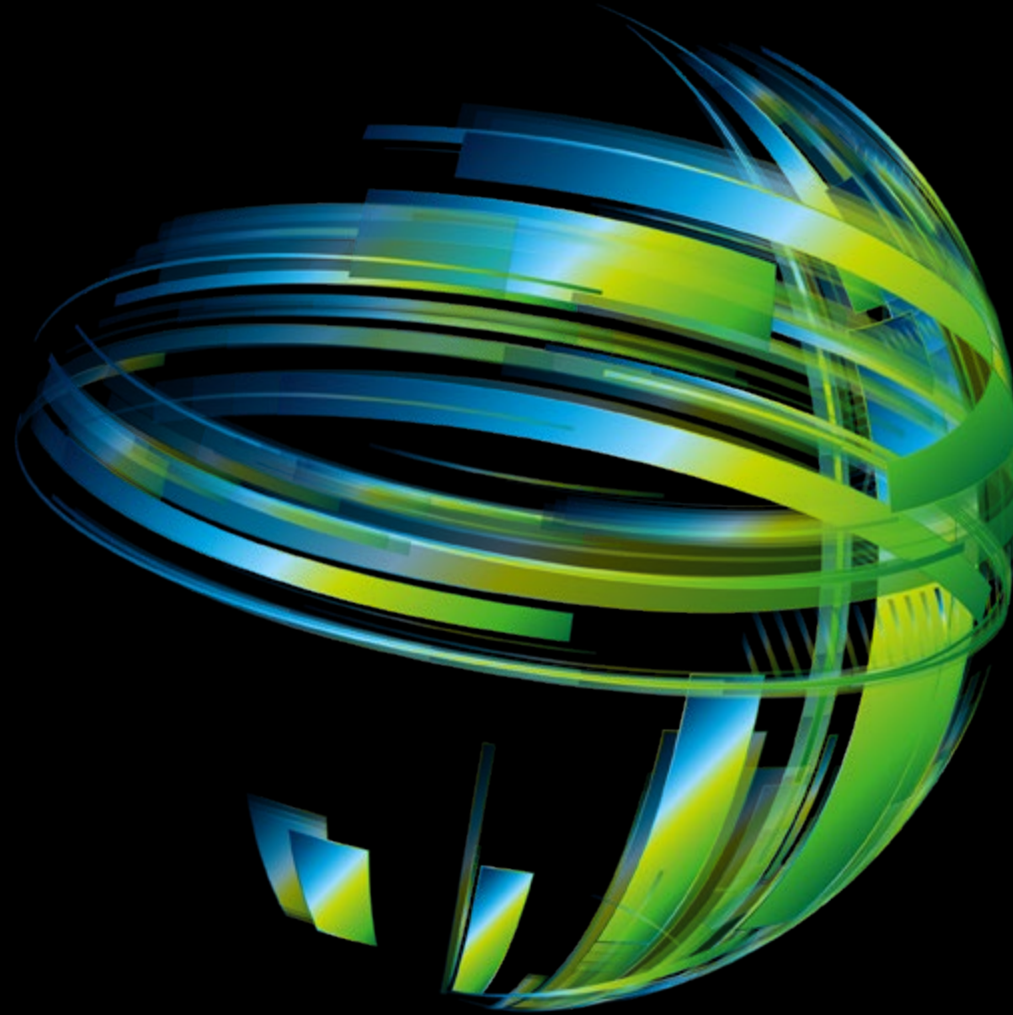


Deloitte.

500TM
Technology **Fast 500**
2018 NORTH AMERICA



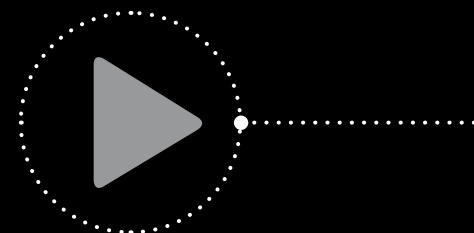
2018 Technology Fast 500

Recognizing growth

The fastest-growing technology companies

Updated December 7, 2018

START





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ABOUT DELOITTE'S TECHNOLOGY FAST 500

THE TOP TEN

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About Deloitte's Technology Fast 500

The Deloitte Technology Fast 500 is the leading technology awards program in North America (US and Canada) with 2018 being its twenty-fourth anniversary. Combining technological innovation, entrepreneurship, and rapid growth, Fast 500 companies—large, small, public, and private—span a variety of industry sectors, and are leaders in hardware, software, telecom, semiconductors, life sciences, and emerging areas, such as clean technology. These companies are on the cutting edge and are transforming the way we do business today.

SELECTION AND QUALIFYING CRITERIA

Technology Fast 500 provides a ranking of the fastest growing technology, media, telecommunications, life sciences, and energy tech companies—both public and private—in North America. Technology Fast 500 award winners for 2018 are selected based on percentage fiscal year revenue growth during the period from 2014 to 2017.

In order to be eligible for Technology Fast 500 recognition, companies must own proprietary intellectual property or technology that is sold to customers in products that contribute to a majority of the company's operating revenues. Companies must have base-year operating revenues of at least \$50,000 USD, and current-year operating revenues of at least \$5 million USD. Additionally, companies must be in business for a minimum of four years, and be headquartered within North America.

This ranking is compiled from nominations submitted directly to the Technology Fast 500 website, and public company database research conducted by Deloitte LLP.

PROGRAM INFORMATION

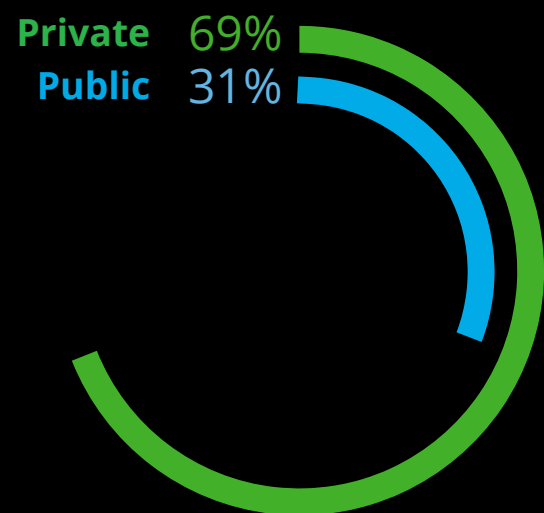
If you would like to learn more about the Technology Fast 500 program, please register [here](#) to receive e-mail alerts. To download a copy of 2017 rankings go to: www.Fast500.com.



The Top Ten

RANK	COMPANY NAME	PRIMARY INDUSTRY	% GROWTH	CITY	ST./PROV.	CEO NAME
1	SwanLeap	Software	77,260%	Madison	WI	Brad Hollister
2	Justworks	Software	27,150%	New York	NY	Isaac Oates
3	Shape Security	Software	23,576%	Mountain View	CA	Derek Smith
4	Periscope Data	Software	23,227%	San Francisco	CA	Harry Glaser
5	Arrowhead Pharmaceuticals, Inc.	Biotechnology/pharmaceutical	17,847%	Pasadena	CA	Christopher Anzalone
6	Viveve Medical, Inc.	Medical devices	16,887%	Englewood	CO	Scott Durbin
7	iLearningEngines	Software	14,848%	Bethesda	MD	Harish Chidambaran
8	Exact Sciences Corp	Biotechnology/pharmaceutical	14,694%	Madison	WI	Kevin Conroy
9	Podium	Software	13,381%	Lehi	UT	Eric Rea
10	Markforged	Electronic devices/hardware	12,687%	Watertown	MA	Gregory Mark

By the numbers



Top 20 companies

14
Private



6
Public



3-year growth rate



143% → 77,260%



117

companies had a growth rate of
1,000% or higher



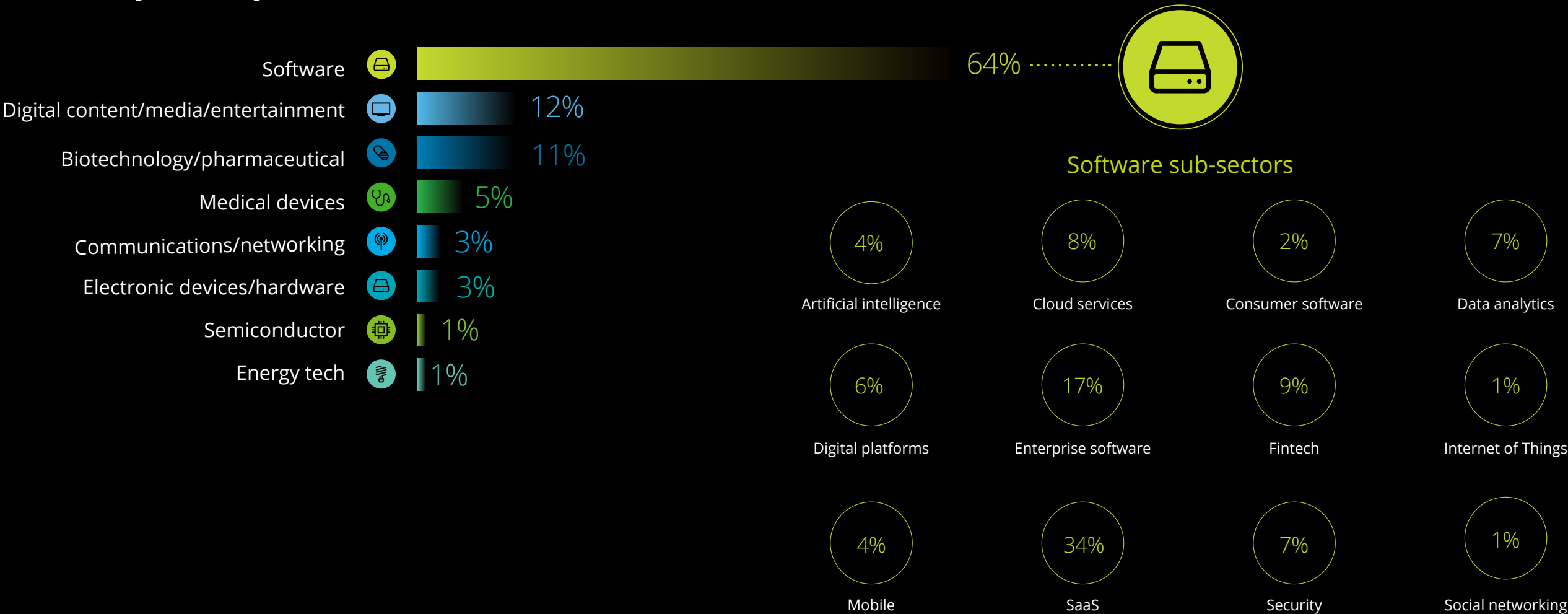
80%

amount of companies received
**venture capital/private equity
funding** in their history

Software remains the leading industry with **320 companies**
and is on the rise with a **6% increase** from last year.

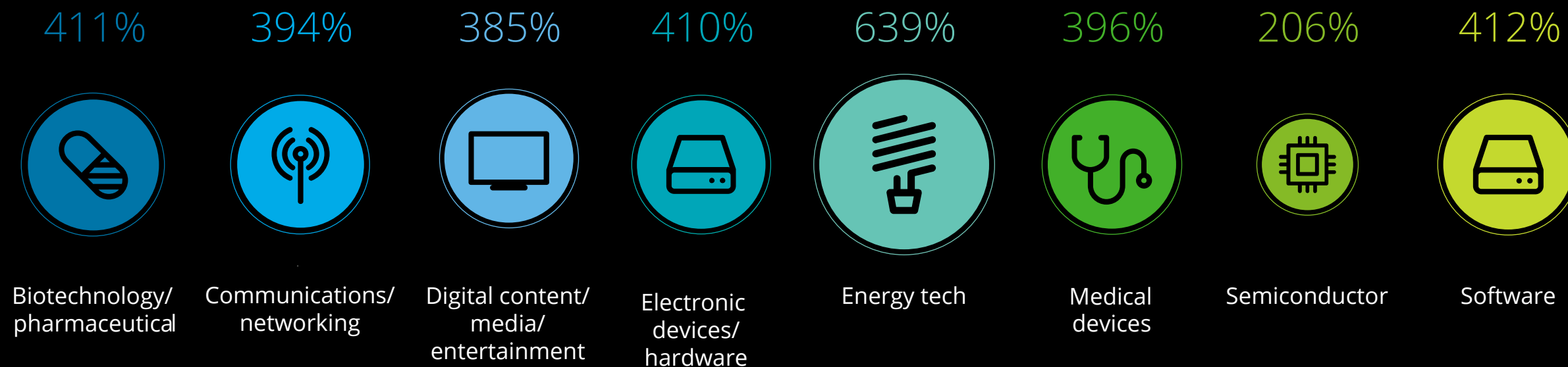
By the numbers (cont.)

Winners by industry sector



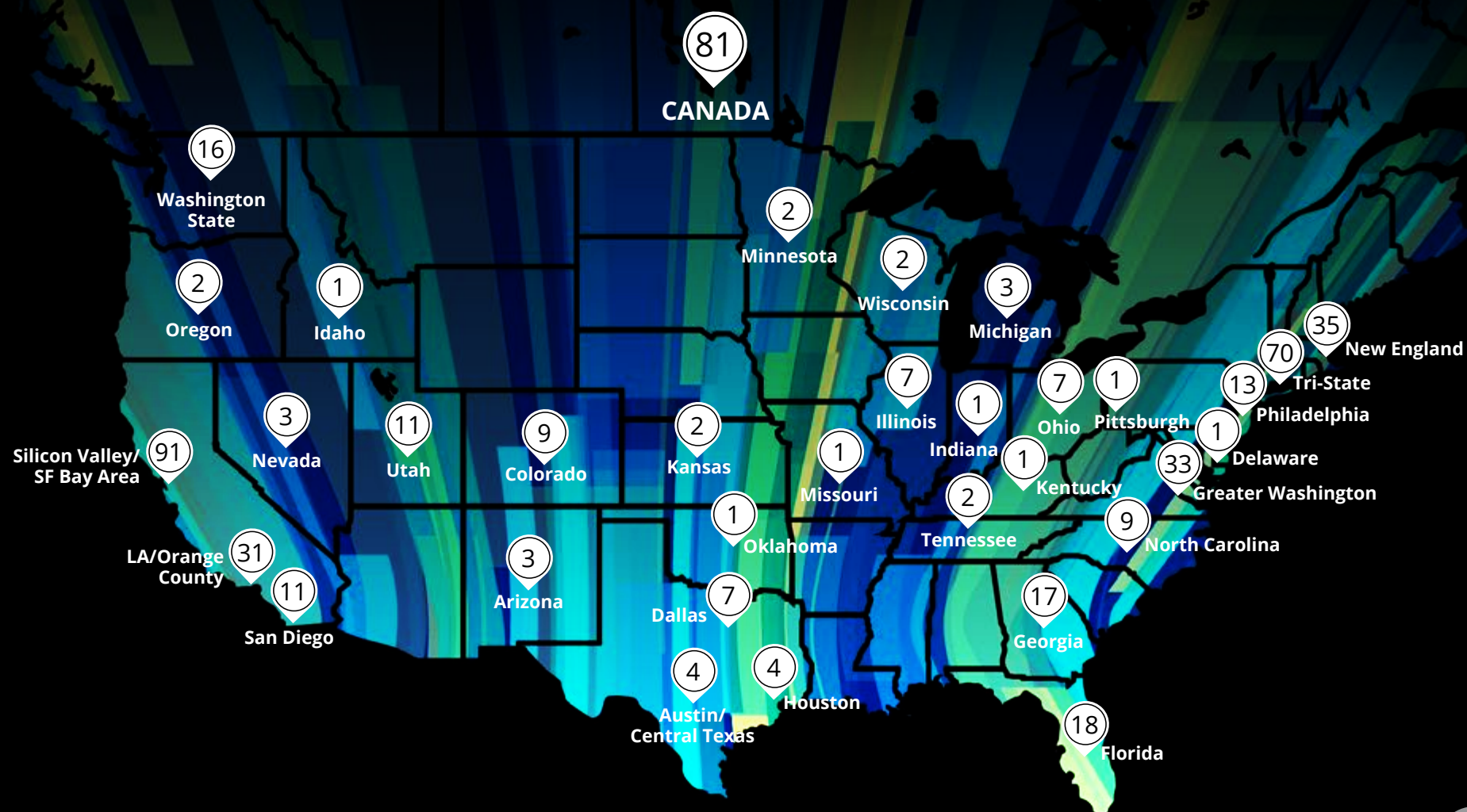
By the numbers (cont.)

3-year median percentage growth rate—by sector



By the numbers (cont.)

2018 Technology Fast 500 companies—by company headquarters



The list

The following listing has been sorted by industry and rank. To view the list by overall ranking, visit www.Fast500.com. Ranking determined based on a tenth of a percentile.



BIOTECHNOLOGY/PHARMACEUTICAL

RANK	COMPANY NAME	% GROWTH	CITY	ST./PROV.	CEO NAME
5	Arrowhead Pharmaceuticals, Inc.	17,847%	Pasadena	CA	Christopher Anzalone
8	Exact Sciences Corp	14,694%	Madison	WI	Kevin Conroy
16	Intercept Pharmaceuticals, Inc.	7,418%	New York	NY	Mark Pruzanski
30	Sorrento Therapeutics, Inc.	3,870%	San Diego	CA	Henry Ji
36	Applied Genetic Technologies Corp	3,396%	Alachua	FL	Sue Washer
42	Aratana Therapeutics, Inc.	3,234%	Leawood	KS	Steven St. Peter
43	Neos Therapeutics, Inc.	3,201%	Grand Prairie	TX	Jerry McLaughlin
45	22nd Century Group, Inc.	3,038%	Williamsville	NY	Henry Sicignano, III
47	Amicus Therapeutics, Inc.	2,917%	Cranbury	NJ	John F. Crowley
61	Innoviva, Inc.	2,476%	Brisbane	CA	
79	Exelixis, Inc.	1,702%	Alameda	CA	Michael M. Morrissey, Ph.D.
84	Concert Pharmaceuticals, Inc.	1,578%	Lexington	MA	Roger Tung
88	Imprimis Pharmaceuticals, Inc.	1,513%	San Diego	CA	Mark L. Baum
89	Sarepta Therapeutics, Inc.	1,484%	Cambridge	MA	Douglas S. Ingram



The list (cont.)



BIOTECHNOLOGY/PHARMACEUTICAL

RANK	COMPANY NAME	% GROWTH	CITY	ST./PROV.	CEO NAME
94	Fulgent Genetics, Inc.	1,366%	Temple City	CA	Ming Hsieh
99	Egalet Corp	1,261%	Wayne	PA	Robert Radie
104	Apollo Endosurgery, Inc.	1,166%	Austin	TX	Todd Newton
109	Eagle Pharmaceuticals, Inc.	1,139%	Woodcliff Lake	NJ	Scott Tarriff
115	Advaxis, Inc.	1,103%	Princeton	NJ	Kenneth A. Berlin
155	PTC Therapeutics, Inc.	670%	South Plainfield	NJ	Staurt W. Peltz
164	Conversion Labs	608%	New York	NY	Justin Schreiber
176	ProPhase Labs, Inc.	548%	Doylsetown	PA	Ted William Karkus
192	Corcept Therapeutics, Inc.	500%	Menlo Park	CA	Joseph K. Belanoff
215	Retrophin, Inc.	449%	San Diego	CA	Stephen J. Aselage
235	Amag Pharmaceuticals, Inc.	390%	Waltham	MA	William K. Heiden
244	Pieris Pharmaceuticals, Inc.	371%	Boston	MA	Stephen S. Yoder
247	Ziopharm Oncology, Inc.	365%	Boston	MA	Laurence J. N. Cooper
262	Vertex Pharmaceuticals, Inc.	329%	Boston	MA	Jeffery Leiden
266	Alimera Sciences, Inc	326%	Alpharetta	GA	Dan Myers

The list (cont.)



BIOTECHNOLOGY/PHARMACEUTICAL

RANK	COMPANY NAME	% GROWTH	CITY	ST./PROV.	CEO NAME
273	Alliqua BioMedical, Inc.	309%	Langhorne	PA	David Johnson
274	Clovis Oncology, Inc.	307%	Boulder	CO	Patrick J. Mahaffy
277	Inovio Pharmaceuticals, Inc.	304%	Plymouth Meeting	PA	Joseph Kim
280	Oscar Health	303%	New York	NY	Mario Schlosser
285	Lexicon Pharmaceuticals, Inc.	295%	The Woodlands	TX	Lonnel Coats
287	Ironwood Pharmaceuticals, Inc.	290%	Cambridge	MA	Peter Hecht
289	ADMA Biologics	285%	Ramsey	NJ	Adam Grossman
291	MyoKardia Inc	280%	South San Francisco	CA	Tassos Anastasios Gianakakos
297	Xencor Inc.	275%	Monrovia	CA	Bassil I. Dahiyat, Ph.D.
299	Quanterix	273%	Lexington	MA	Kevin Hrusovsky
314	AxoGen, Inc.	259%	Alachua	FL	Karen Zaderej
315	Array Biopharma, Inc.	259%	Boulder	CO	Ron Squarer
319	Celldex Therapeutics, Inc.	255%	Hampton	NJ	Anthony S. Marucci
344	MacroGenics, Inc.	230%	Rockville	MD	Scott Koenig
345	Vanda Pharmaceuticals Inc.	229%	Washington	DC	Mihael H. Polymeropoulos, M.D.

The list (cont.)



BIOTECHNOLOGY/PHARMACEUTICAL

RANK	COMPANY NAME	% GROWTH	CITY	ST./PROV.	CEO NAME
349	Supernus Pharmaceuticals, Inc.	226%	Rockville	MD	Jack A. Khattar
358	Intrexon Corp	221%	Germantown	MD	Randal J. Kirk
366	Ani Pharmaceuticals, Inc.	216%	Baudette	MN	Arthur Przybyl
387	Incyte Corp	200%	Wilmington	DE	Hervé Hoppenot
410	Paratek Pharmaceuticals, Inc.	191%	Boston	MA	Michael F. Bigham
411	Paragon Bioservices	190%	Baltimore	MD	Pete Buzy
417	Cancer Genetics, Inc.	186%	Rutherford	NJ	John A. Roberts
430	XOMA Corp	179%	Emeryville	CA	James R. Neal
443	Pfenex Inc.	170%	San Diego	CA	Eef Schimmelpennink
450	Momenta Pharmaceuticals, Inc.	166%	Cambridge	MA	Craig A. Wheeler
474	Avid Bioservices, Inc.	157%	Tustin	CA	Roger J. Lias
482	Durect Corp	153%	Cupertino	CA	James E. Brown
493	Genomind	146%	King of Prussia	PA	Michael Koffler

The list (cont.)



COMMUNICATIONS/NETWORKING

RANK	COMPANY NAME	% GROWTH	CITY	ST./PROV.	CEO NAME
11	COLO-D	10,942%	Drummondville	QC	Patrick David
15	xG Technology, Inc.	7,515%	Sarasota	FL	Roger Branton
58	Pluribus Networks	2,581%	San Jose	CA	Kumar Srikantan
95	FTE Networks, Inc.	1,338%	Naples	FL	Michael Palleschi
100	ANEXIO	1,250%	Raleigh	NC	Tony Pompliano
101	Left	1,242%	Maple Ridge	BC	Christopher Jensen
175	Unitas Global	548%	Los Angeles	CA	Patrick Shutt
182	MacStadium	536%	Atlanta	GA	Gregory McGraw
283	GTT Communications, Inc.	299%	McLean	VA	Rick Calder
308	n2grate	263%	Greenbelt	MD	Steve Halligan
405	Applied Optoelectronics, Inc.	193%	Sugar Land	TX	Dr. Thompson Lin
425	ISAAC Instruments	183%	Chambly	QC	Jacques De Larochellière
488	Orbital Tracking Corp.	148%	Aventura	FL	David Phipps



The list (cont.)



DIGITAL CONTENT/MEDIA/ENTERTAINMENT

RANK	COMPANY NAME	% GROWTH	CITY	ST./PROV.	CEO NAME
32	Remark Holdings, Inc.	3,741%	Las Vegas	NV	Kai-Shing Tao
35	Newsela	3,471%	New York	NY	Matthew Gross
60	Azure Knowledge Corporation	2,534%	Piscatway	NJ	Jay Ruparel
72	Fever	1,847%	New York	NY	Ignacio Bachiller
75	Rumble	1,757%	Toronto	ON	Chris Pavlovski
91	Dialekta	1,444%	Montreal	QC	Cyril Chaib
92	HealthCare.com	1,421%	Miami	FL	Howard Yeh
106	TripleLift	1,156%	New York	NY	Eric Berry
107	Whistle Sports	1,154%	New York	NY	John West
112	Strawhouse Inc.	1,125%	Kelowna	BC	Mark How
113	Headspace	1,122%	Santa Monica	CA	Rich Pierson
123	district m	926%	Montreal	QC	Jean-François Cote
124	Vydia	916%	Holmdel	NJ	Roy Lamanna
134	Diply	830%	London	ON	Taylor Ablitt
141	The Muse	796%	New York	NY	Kathryn Minshew

The list (cont.)



DIGITAL CONTENT/MEDIA/ENTERTAINMENT

RANK	COMPANY NAME	% GROWTH	CITY	ST./PROV.	CEO NAME
146	Félix & Paul Studios	755%	Montreal	QC	Stéphane Rituït
153	TickPick	682%	New York	NY	Brett Goldberg
156	TodayTix	668%	New York	NY	Brian Fenty
157	Eastside Games Inc.	663%	Vancouver	BC	Joshua Nilson
160	Ayuda Media Systems Inc.	647%	Montreal	QC	Luc Filatreault
162	Health Union, LLC	622%	Philadelphia	PA	Olivier Chateau
167	Excel Impact, LLC	594%	Medina	OH	Alex Matseikovich
172	Artsy	570%	New York	NY	Carter Cleveland
177	Index Exchange	548%	Toronto	ON	Andrew Casale
178	SRAX	544%	Los Angeles	CA	Chris Miglino
195	Industry Dive	493%	Washington	DC	Sean Griffey
196	Arcane Digital	491%	London	ON	Lindsay Schneider
205	AppLovin	474%	Palo Alto	CA	Adam Foroughi
207	Andrea Electronics Corp	468%	Bohemia	NY	Douglas J. Andrea
208	POSITIVEID Corp	467%	Delray Beach	FL	William J. Caragol

The list (cont.)



DIGITAL CONTENT/MEDIA/ENTERTAINMENT

RANK	COMPANY NAME	% GROWTH	CITY	ST./PROV.	CEO NAME
243	SendtoNews Video	372%	Victoria	BC	Matthew Watson
263	AcuityAds Inc.	328%	Toronto	ON	Tal Hayek
265	Gimbal	327%	Los Angeles	CA	Rob Emrich
272	P2Sample	310%	Alpharetta	GA	Mathijs De Jong
284	Influenster	296%	New York	NY	Aydin Acar
288	Voices.com	287%	London	ON	David Ciccarelli
292	Gametime	280%	San Francisco	CA	Brad Griffith
296	Digital Turbine, Inc.	275%	Austin	TX	Bill Stone
300	AdTheorent	273%	New York	NY	Executive Team
303	FSAstore.com/HSAstore.com	268%	New York	NY	Jeremy S. Miller
306	Maximum Games	265%	Walnut Creek	CA	Christina Seelye
361	Moda Operandi, Inc	219%	New York	NY	Ganesh Srivats
362	33Across	219%	New York	NY	Eric Wheeler
374	Jornaya	210%	Conshohocken	PA	Ross Shanken
385	Inside Ventures	201%	Overland Park	KS	Trevor Nohe

The list (cont.)



DIGITAL CONTENT/MEDIA/ENTERTAINMENT

RANK	COMPANY NAME	% GROWTH	CITY	ST./PROV.	CEO NAME
389	Uken Games	199%	Toronto	ON	Chris Ye
403	PlayAGS, Inc.	194%	Las Vegas	NV	David B. Lopez
404	IZEA Worldwide, Inc.	194%	Winter Park	FL	Ted Murphy
409	Rodeo FX Inc.	191%	Montreal	QC	Sebastien Moreau
415	Vox Media, Inc.	186%	Washington	DC	Jim Bankoff
433	Meet Group, Inc.	176%	New Hope	PA	Geoffrey Cook
439	Liquidus	172%	Chicago	IL	Todd Holmes
442	C3 Metrics	171%	Portsmouth	NH	Mark Hughes
465	Klick	161%	Toronto	ON	Leerom Segal
467	ANGI Homeservices Inc.	160%	Golden	CO	Chris Terrill
470	ScribbleLive	158%	Toronto	ON	Efrem Ainsley
480	InfoTrust	155%	Blue Ash	OH	Alex Yastrebenetsky
490	Devada	147%	Research Triangle Park	NC	Matt Tormollen

The list (cont.)



ELECTRONIC DEVICES/HARDWARE

RANK	COMPANY NAME	% GROWTH	CITY	ST./PROV.	CEO NAME
10	Markforged	12,687%	Watertown	MA	Gregory Mark
81	Newline Interactive	1,666%	Plano	TX	Kevin Wang
149	Kinova	699%	Boisbriand	QC	Charles Deguire
166	Newtrax Technologies Inc.	600%	Montreal	QC	Alexandre Cervinka
197	Pure Storage	486%	Mountain View	CA	Charles Giancarlo
221	Phobio	434%	Atlanta	GA	Stephen Wakeling
318	NimbeLink	256%	Plymouth	MN	Scott Schwalbe
407	Eddyfi Technologies	192%	Quebec	QC	Martin Theriault
412	Wahoo Fitness	189%	Atlanta	GA	Chip Hawkins
419	Interaxon	184%	Toronto	ON	Derek Luke
431	Blackline Safety	178%	Calgary	AB	Cody Slater
452	Aeryon Labs Inc.	164%	Waterloo	ON	Bill McHale
453	ORBCOMM	164%	Rochelle Park	NJ	Marc Eisenberg
483	Cemtrex, Inc.	153%	Farmingdale	NY	Saagar Govil

The list (cont.)

 ENERGY TECH					
RANK	COMPANY NAME	% GROWTH	CITY	ST./PROV.	CEO NAME
25	Momentum Solar	4,677%	South Plainfield	NJ	Arthur Souritzidis
327	Pioneering Technology	252%	Mississauga	ON	Kevin Callahan

The list (cont.)



MEDICAL DEVICES

RANK	COMPANY NAME	% GROWTH	CITY	ST./PROV.	CEO NAME
6	Viveve Medical, Inc.	16,887%	Englewood	CO	Scott Durbin
22	Augmenix, Inc.	5,125%	Bedford	MA	John Pedersen
38	STRATA Skin Sciences, Inc.	3,337%	Horsham	PA	Dr. Dolev Rafaeli
54	SoClean	2,805%	Peterborough	NH	Robert Wilkins
56	Fuse Medical, Inc.	2,706%	Richardson	TX	Christopher C. Reeg
80	TransEnterix, Inc.	1,673%	Morrisville	NC	Todd M. Pope
187	Agenus, Inc.	515%	Lexington	MA	Garo Armen
223	ViewRay, Inc.	432%	Oakwood Village	OH	Scott Drake
251	iRhythm Technologies, Inc.	353%	San Francisco	CA	Kevin M. King
256	Convergent Dental	348%	Needham	MA	Michael Cataldo
257	HTG Molecular Diagnostics, Inc.	343%	Tucson	AZ	Timothy B. Johnson
270	ICU Medical, Inc.	318%	San Clemente	CA	Vivek Jain
295	Hickok, Inc.	278%	Cleveland	OH	Brian E. Powers
304	CytoSorbents Corporation	267%	Monmouth Junction	NJ	Phillip P. Chan, M.D., Ph.D.
322	Sensus Healthcare, Inc.	254%	Boca Raton	FL	Joseph C. Sardano

The list (cont.)



MEDICAL DEVICES

RANK	COMPANY NAME	% GROWTH	CITY	ST./PROV.	CEO NAME
328	Glaukos Corp	249%	San Clemente	CA	Thomas W. Burns
331	Nextremity Solutions	247%	Warsaw	IN	Rod Mayer
333	Semler Scientific, Inc.	243%	San Jose	CA	Douglas Murphy-Chutorian, M.D.
356	Corindus Vascular Robotics, Inc.	223%	Waltham	MA	Mark Toland
375	NeuroMetrix, Inc.	210%	Waltham	MA	Shai N. Gozani
383	Invuity, Inc.	202%	San Francisco	CA	Philip Sawyer
432	Dexcom, Inc.	177%	San Diego	CA	Kevin Sayer
445	U.S. Stem Cell, Inc.	169%	Sunrise	FL	Michael Tomas
449	Penumbra, Inc.	166%	Alameda	CA	Adam Elsesser
457	NantHealth, Inc.	164%	Culver City	CA	Patrick Soon-Shiong
473	Abiomed, Inc.	158%	Danvers	MA	Michael R. Minogue
487	Intersect ENT, Inc.	150%	Menlo Park	CA	Lisa Earnhardt
499	Tracon Pharmaceuticals, Inc.	143%	San Diego	CA	Charles P. Theuer

The list (cont.)



SEMICONDUCTOR

RANK	COMPANY NAME	% GROWTH	CITY	ST./PROV.	CEO NAME
267	Aquantia Corp	322%	San Jose	CA	Faraj Aalaei
311	Inphi Corp	262%	Santa Clara	CA	Dr. Ford Tamer
360	Cypress Semiconductor Corporation	221%	San Jose	CA	Hassane El-Khoury
367	Maxlinear, Inc.	216%	Carlsbad	CA	Kishore Seendripu, Ph.D.
454	Qorvo, Inc.	164%	Greensboro	NC	Robert Bruggeworth
456	Quantenna	164%	San Jose	CA	Dr. Sam Heidari
459	Acacia Communications, Inc.	163%	Maynard	MA	Murugesan Shanmugaraj
460	Ichor Holdings, Ltd.	163%	Fremont	CA	Thomas M. Rohrs
495	MKS Instruments, Inc.	145%	Andover	MA	Gerald G. Colella

The list (cont.)

SOFTWARE

RANK	COMPANY NAME	% GROWTH	CITY	ST./PROV.	CEO NAME
1	SwanLeap	77,260%	Madison	WI	Brad Hollister
2	Justworks	27,150%	New York	NY	Isaac Oates
3	Shape Security	23,576%	Mountain View	CA	Derek Smith
4	Periscope Data	23,227%	San Francisco	CA	Harry Glaser
7	iLearningEngines	14,848%	Bethesda	MD	Harish Chidambaran
9	Podium	13,381%	Lehi	UT	Eric Rea
12	BioCatch	10,451%	New York	NY	Howard Edelstein
13	Reflektive	8,240%	San Francisco	CA	Rajeev Behera
14	PowerInbox	7,544%	New York	NY	Jeff Kupietzky
17	Ideanomics	7,253%	New York	NY	Brett McGonegal
18	FLEXE	6,960%	Seattle	WA	Karl Siebrecht
19	Aarki, Inc.	6,533%	Mountain View	CA	Sid Bhatt
20	Signifyd	6,417%	San Jose	CA	Rajesh Ramanand
21	Homesnap	6,336%	Bethesda	MD	John Mazur
23	Softheon	4,904%	Stony Brook	NY	Eugene Sayan

The list (cont.)

SOFTWARE

RANK	COMPANY NAME	% GROWTH	CITY	ST./PROV.	CEO NAME
24	Salsify	4,896%	Boston	MA	Jason Purcell
26	UiPath	4,614%	New York	NY	Daniel Dines
27	GoGuardian	4,409%	El Segundo	CA	Advait Shinde
28	Bench Accounting	4,373%	Vancouver	BC	Ian Crosby
29	Fundera	4,362%	New York	NY	Jared Hecht
31	Attivo Networks, Inc	3,854%	Fremont	CA	Tushar Kothari
33	Snaps	3,733%	New York	NY	Christian Brucculeri
34	KnowBe4	3,726%	Clearwater	FL	Stu Sjouwerman
37	Liftoff	3,380%	Palo Alto	CA	Mark Ellis
39	VirtualHealth	3,336%	New York	NY	Adam Sabloff
40	Mohawk	3,285%	New York	NY	Yaniv Sarig
41	Domino Data Lab	3,257%	San Francisco	CA	Nick Elprin
44	Carta, Inc.	3,130%	Palo Alto	CA	Henry Ward
46	Snap! Raise	2,993%	Seattle	WA	Cole Morgan
48	CardFlight	2,917%	New York	NY	Derek Webster

The list (cont.)

SOFTWARE

RANK	COMPANY NAME	% GROWTH	CITY	ST./PROV.	CEO NAME
50	Aha!	2,871%	Menlo Park	CA	Brian de Haaff
51	Seller Labs	2,847%	Athens	GA	Hank Harris
52	Choozle	2,838%	Denver	CO	Andrew Fischer
53	Untappd	2,809%	Wilmington	NC	Kurt Taylor
55	Mesosphere	2,736%	San Francisco	CA	Florian Leibert
57	CrossInstall	2,622%	San Francisco	CA	Jeff Marshall
59	Chatbooks	2,555%	Provo	UT	Nate Quigley
62	YouAppi	2,437%	San Francisco	CA	Moshe Vaknin
63	Prodigy Game	2,387%	Burlington	ON	Rohan Mahimker
64	MoneyLion	2,338%	New York	NY	Dee Choubey
65	ShipHawk	2,298%	Santa Barbara	CA	Jeremy Bodenhamer
66	White Ops, Inc.	2,122%	New York	NY	Sandeep Swadia
67	QASymphony, Inc.	2,053%	Atlanta	GA	Dave Keil
68	Owned Outcomes Inc.	1,974%	Las Vegas	NV	Anita Pramoda
69	Skuid	1,951%	Chattanooga	TN	Ken McElrath

The list (cont.)

SOFTWARE

RANK	COMPANY NAME	% GROWTH	CITY	ST./PROV.	CEO NAME
70	Kenna Security	1,912%	San Francisco	CA	Karim Toubba
71	Radius Networks	1,855%	Washington	DC	Marc Wallace
73	Braze, Inc.	1,844%	New York	NY	Bill Magnuson
74	Lob.com Inc.	1,811%	San Francisco	CA	Leore Avidar
76	Databricks Inc.	1,728%	San Francisco	CA	Ali Ghodsi
77	GridGain Systems	1,724%	Foster City	CA	Abe Kleinfeld
78	Alkami Technology, Inc.	1,724%	Plano	TX	Mike Hansen
82	Wave	1,647%	Toronto	ON	Kirk Simpson
83	Springbot	1,640%	Atlanta	GA	Brooks Robinson
85	UpNest	1,533%	Burlingame	CA	Simon Ru
86	OppLoans	1,527%	Chicago	IL	Jared Kaplan
87	Influitive	1,523%	Toronto	ON	Mark Organ
90	ClassPass Inc.	1,483%	New York	NY	Fritz Lanman
93	ServiceTitan	1,385%	Glendale	CA	Ara Mahdessian
96	Matterport	1,303%	Sunnyvale	CA	Bill Brown

The list (cont.)

SOFTWARE

RANK	COMPANY NAME	% GROWTH	CITY	ST./PROV.	CEO NAME
97	VOTI Detection	1,299%	Saint-Laurent	QC	Rory Olson
98	Passport	1,263%	Charlotte	NC	Bob Youakim
102	Remitly	1,209%	Seattle	WA	Matt Oppenheimer
103	Vidyard	1,198%	Kitchener	ON	Michael Litt
104	PowerReviews, Inc.	1,173%	Chicago	IL	Matt Moog
105	Trinity Technology Partners, Inc	1,161%	Greenbelt	MD	Bruce E. Lansdowne
108	Foodee	1,145%	Vancouver	BC	Ryan Spong
110	Payfone	1,132%	New York	NY	Rodger Desai
111	FixMeStick Technologies Inc.	1,132%	Montreal	QC	Marty Algire
114	Signs.com	1,112%	Salt Lake City	UT	Kirk Green
116	Vectra	1,099%	San Jose	CA	Hitesh Sheth
117	Dynamic Yield	1,018%	New York	NY	Liad Agmon
118	Tanium Inc.	995%	Emeryville	CA	Orion Hindawi
119	Examity	984%	Newton	MA	Michael London
120	Scalefast	959%	El Segundo	CA	Nicolas Stehle

The list (cont.)

SOFTWARE

RANK	COMPANY NAME	% GROWTH	CITY	ST./PROV.	CEO NAME
121	Refresh Financial	934%	Kelowna	BC	Michael Wendland
122	TouchBistro	928%	Toronto	ON	Alex Barrotti
125	Segment.io, Inc.	912%	San Francisco	CA	Peter Reinhardt
126	Redis Labs	910%	Mountain View	CA	Ofer Bengal
127	Yapta, Inc.	901%	Seattle	WA	James Filsinger
128	Phenom People	899%	Ambler	PA	Mahe Bayireddi
129	LookingGlass Cyber Solutions, Inc.	883%	Reston	VA	Chris Coleman
130	CentralReach	881%	Pompano Beach	FL	Chris Sullens
131	Distil Networks	872%	Arlington	VA	Tiffany Olson Kleemann
132	Greenhouse	863%	New York	NY	Daniel Chait
133	Hireology	834%	Chicago	IL	Adam Robinson
135	Koddi	826%	Fort Worth	TX	George Popstefanov
136	StackAdapt Inc.	821%	Toronto	ON	Ildar Shaw
137	Zipwhip	818%	Seattle	WA	John Lauer
138	Leanplum	809%	San Francisco	CA	Momchil Kyurkchiev
139	Mersive Technologies	806%	Denver	CO	Robert Balgley

The list (cont.)

SOFTWARE

RANK	COMPANY NAME	% GROWTH	CITY	ST./PROV.	CEO NAME
140	Carbon Credit Solutions	804%	Airdrie	AB	Ed Alfke
142	Zeel	783%	New York	NY	Samer Hamadeh
143	PlanGrid	775%	San Francisco	CA	Tracy Young
144	Anaplan	766%	San Francisco	CA	Frank Calderoni
145	Doximity	757%	San Francisco	CA	Jeff Tangney
147	Snapsheet	755%	Chicago	IL	Brad Weisberg
148	Volante Systems	704%	Toronto	ON	Joseph Lee
150	Blueprint Technologies, LLC	696%	Bellevue	WA	Ryan Neal
151	Verified First LLC	695%	Meridian	ID	Devon Dickinson
152	Truveris	683%	New York	NY	Jeff Eberle
154	Visier	679%	Vancouver	BC	John Schwarz
158	JFrog	654%	Sunnyvale	CA	Shlomi Ben Haim
159	Maropost	650%	Toronto	ON	Ross Paquette
161	Allego	646%	Needham Heights	MA	Yuchun Lee
163	TapClicks	616%	San Jose	CA	Babak Hedayati
165	Ratehub	605%	Toronto	ON	Alyssa Furtado

The list (cont.)

SOFTWARE

RANK	COMPANY NAME	% GROWTH	CITY	ST./PROV.	CEO NAME
168	Trade Desk, Inc.	592%	Ventura	CA	Jeff Green
169	MMB Networks	591%	Toronto	ON	Tim Angus
170	Welltok	584%	Denver	CO	Jeff Margolis
171	iSpot.tv, Inc.	572%	Bellevue	WA	Sean Muller
173	Advantum Health	569%	Louisville	KY	Venkat Sharma
174	The Revenue Optimization Companies (T-ROC)	554%	Coral Gables	FL	Brett Beveridge
179	Mapbox	542%	Washington	DC	Eric Gundersen
180	Mavenlink	541%	Irvine	CA	Ray Grainger
181	Wrike	539%	San Jose	CA	Andrew Filev
183	CallRail	530%	Atlanta	GA	Andy Powell
184	Definitive Healthcare	528%	Framingham	MA	Jason Krantz
185	Lucidchart	525%	South Jordan	UT	Karl Sun
186	Prodigy Ventures Inc.	520%	Toronto	ON	Tom Beckerman
188	Klipfolio	514%	Ottawa	ON	Allan Wille
189	WealthForge	513%	Richmond	VA	Bill Robbins

The list (cont.)

SOFTWARE

RANK	COMPANY NAME	% GROWTH	CITY	ST./PROV.	CEO NAME
190	Relatient, Inc.	507%	Franklin	TN	Michele Perry
191	Nutanix, Inc.	503%	San Jose	CA	Dheeraj Pandey
193	Canada Drives	500%	Vancouver	BC	Cody Green
194	Morning Consult	496%	Washington	DC	Michael Ramlet
198	PagerDuty	486%	San Francisco	CA	Jennifer Tejada
199	Sortable	483%	Kitchener	ON	Christopher Reid
200	Top Hat	481%	Toronto	ON	Mike Silagadze
201	TraceLink	480%	North Reading	MA	Shabbir Dahod
202	VALiNTRY	478%	Winter Park	FL	Daryl Dixon
203	Cloudnexa	477%	Philadelphia	PA	Joel Davne
204	GSoft	476%	Montréal	QC	Simon De Baene
206	Hortonworks, Inc.	469%	Santa Clara	CA	Rob Bearden
209	Kabbage	467%	Atlanta	GA	Rob Frohwein
210	Couchbase	462%	Santa Clara	CA	Matt Cain
212	OneStream Software	461%	Rochester	MI	Tom Shea
213	Sharecare	455%	Atlanta	GA	Jeff Arnold

The list (cont.)

SOFTWARE

RANK	COMPANY NAME	% GROWTH	CITY	ST./PROV.	CEO NAME
214	ReliaQuest	451%	Tampa	FL	Brian Murphy
216	SalesLoft	448%	Atlanta	GA	Kyle Porter
217	Dialpad, Inc.	446%	San Francisco	CA	Craig Walker
218	Onapsis Inc.	444%	Boston	MA	Mariano Nunez
219	Quid	436%	San Francisco	CA	Bob Goodson
220	Domo, Inc.	436%	American Fork	UT	Josh James
222	BuyATab Online Inc.	433%	Vancouver	BC	Johann Tergesen
224	Coupa Software	431%	San Mateo	CA	Robert Bernshteyn
225	Ambassador Software	429%	Royal Oak	MI	Jeffrey Epstein
226	Yieldmo, Inc.	423%	New York	NY	Michael Yavonditte
227	Contactability	419%	Costa Mesa	CA	Lev Barinskiy
228	ObservePoint	419%	Provo	UT	Rob Seolas
229	Dashlane	410%	New York	NY	Emmanuel Schalit
230	Unbounce	409%	Vancouver	BC	Rick Perreault
231	KLDiscovery	409%	McLean	VA	Christopher Weiler
232	Social Tables	396%	Washington	DC	Dan Berger

The list (cont.)

SOFTWARE

RANK	COMPANY NAME	% GROWTH	CITY	ST./PROV.	CEO NAME
233	Blucora, Inc.	391%	Irving	TX	John S. Clendening
234	PureCars	390%	Atlanta	GA	Sam Mlyrea
236	Axonify	390%	Waterloo	ON	Carol Leaman
237	Mobile Posse	387%	Arlington	VA	Jon Jackson
238	Sauce Labs	386%	San Francisco	CA	Charles Ramsey
239	Smartsheet	378%	Bellevue	WA	Mark Mader
240	ZipRecruiter	378%	Santa Monica	CA	Ian Siegel
241	Resolver Inc.	378%	Toronto	ON	Will Anderson
242	Druva	376%	Sunnyvale	CA	Jaspreet Singh
245	Course Hero	371%	Redwood City	CA	Andrew Grauer
246	Zadara	367%	Irvine	CA	Nelson Nahum
248	LogMeIn	361%	Boston	MA	Bill Wagner
249	Avant	360%	Chicago	IL	Al Goldstein
250	Cloudera, Inc.	354%	Palo Alto	CA	Tom Reilly
252	Digital Harbor, Inc.	351%	McLean	VA	Rohit Agarwal
253	IEX	350%	New York	NY	Brad Katsuyama

The list (cont.)

SOFTWARE

RANK	COMPANY NAME	% GROWTH	CITY	ST./PROV.	CEO NAME
254	eSentire	349%	Cambridge	ON	Kerry Bailey
255	Twilio	349%	San Francisco	CA	Jeff Lawson
258	Plusgrade LP	341%	Montreal	QC	Ken Harris
259	Prolific Interactive	339%	New York	NY	Bobak Emamian
260	MomentFeed	336%	Santa Monica	CA	Robert Blatt
261	GoCanvas	331%	Reston	VA	James Quigley
264	Onit	327%	Houston	TX	Eric M. Elfman
268	GumGum	319%	Santa Monica	CA	Ophir Tanz
269	Delphix	318%	Redwood City	CA	Chris Cook
271	Urjanet	317%	Atlanta	GA	Sanjoy Malik
271	New Relic	317%	San Francisco	CA	Lew Cirne
275	SiteLock	306%	Scottsdale	AZ	Neill Feather
276	Avani Technology Solutions	305%	Rochester	NY	Sameer Penakalapati
278	Upstream Works Software	304%	Vaughan	ON	Robert McDougall
279	Tipalti	304%	San Mateo	CA	Chen Amit

The list (cont.)

SOFTWARE

RANK	COMPANY NAME	% GROWTH	CITY	ST./PROV.	CEO NAME
281	King Memory	301%	Columbus	OH	Darryl Tanner/Chad Crnkovich
282	DigitalOcean	300%	New York	NY	Mark Templeton
286	Fonteva	291%	Arlington	VA	Jerry Huskins
290	Fuze	281%	Boston	MA	Colin Doherty
293	Tealium	279%	San Diego	CA	Jeff Lunsford
294	Reltio	278%	Redwood Shores	CA	Manish Sood
298	Chef Software Inc.	274%	Seattle	WA	Barry Crist
301	Cision	271%	Chicago	IL	Kevin D. Akeroyd
302	QGenda	268%	Atlanta	GA	Greg Benoit
305	eOriginal	266%	Baltimore	MD	Brian Madocks
307	Modernizing Medicine	264%	Boca Raton	FL	Daniel Cane
309	Research Innovations, Inc.	263%	Alexandria	VA	Jack Harrington
310	Sojern	263%	San Francisco	CA	Mark Rabe
312	Snipp Interactive	262%	Toronto	ON	Atul Sabharwal
313	Malwarebytes	260%	Santa Clara	CA	Marcin Kleczynski

The list (cont.)

SOFTWARE

RANK	COMPANY NAME	% GROWTH	CITY	ST./PROV.	CEO NAME
316	SmartDrive Systems	258%	San Diego	CA	Steve Mitgang
317	Instructure, Inc.	258%	Salt Lake City	UT	Josh Coates
320	Dealer-FX	255%	Markham	ON	Gary Kalk
321	Copperleaf	255%	Vancouver	BC	Judi Hess
323	Health Catalyst	254%	Salt Lake City	UT	Dan Burton
324	CLEAR	253%	New York	NY	Caryn Seidman Becker
325	UserTesting	253%	San Francisco	CA	Andy MacMillan
326	Turbonomic	252%	Boston	MA	Benjamin Nye
329	Acero Health Technologies	247%	Alexandria	VA	Alan Merchant
330	symlr	247%	Houston	TX	Rick Pleczko
332	Alteryx	246%	Irvine	CA	Dean Stoecker
334	BlackLine	243%	Los Angeles	CA	Therese Tucker
335	Biz2Credit Inc.	242%	New York	NY	Rohit Arora
336	Zscaler, Inc.	242%	San Jose	CA	Jay Chaudhry
337	Seal Software	239%	Walnut Creek	CA	Ulf Zetterberg

The list (cont.)

SOFTWARE

RANK	COMPANY NAME	% GROWTH	CITY	ST./PROV.	CEO NAME
338	Zendesk, Inc.	239%	San Francisco	CA	Mikkel Svane
339	Big Viking Games	239%	London	ON	Albert Lai
340	JW Player	236%	New York	NY	Dave Otten
341	Workday, Inc.	236%	Pleasanton	CA	Aneel Bhusri
342	HireVue	231%	South Jordan	UT	Kevin Parker
343	Zillow Group	230%	Seattle	WA	Spencer Rascoff
346	Sonatype	228%	Fulton	MD	Wayne Jackson
347	AvidXchange	228%	Charlotte	NC	Michael Praeger
348	Higher Logic	228%	Arlington	VA	Kevin Boyce
350	Facebook Inc	226%	Menlo Park	CA	Mark Zuckerberg
351	Vendasta	225%	Saskatoon	SK	Brendan King
352	Demandbase	225%	San Francisco	CA	Chris Golec
353	Ondot Systems Inc.	224%	Santa Clara	CA	Bharghavan Vaduvur
354	HubSpot, Inc.	224%	Cambridge	MA	Brian Halligan
355	Convercent	224%	Denver	CO	Patrick Quinlan

The list (cont.)

SOFTWARE

RANK	COMPANY NAME	% GROWTH	CITY	ST./PROV.	CEO NAME
357	Xevo	221%	Bellevue	WA	Dan Gittleman
359	Box, Inc.	221%	Redwood City	CA	Aaron Levie
363	Agilis Systems	218%	St. Louis	MO	Paul Inman
364	Buildium	218%	Boston	MA	Chris Litster
365	Nakisa	216%	Montreal	QC	Babak Varjavandi
368	360insights	216%	Whitby	ON	Jason Atkins
369	Nuxeo	214%	Brooklyn	NY	Eric Barroca
370	Rokt	214%	New York	NY	Bruce Buchanan
371	Splunk	214%	San Francisco	CA	Doug Merritt
372	ForeScout Technologies, Inc.	211%	San Jose	CA	Michael DeCesare
373	Foursquare	210%	New York	NY	Jeff Glueck
376	PrinterLogic	210%	St. George	UT	Ryan Wedig
377	Clio	208%	Burnaby	BC	Jack Newton
378	PrecisionLender	205%	Cary	NC	Carl Ryden
379	SOTI	204%	Mississauga	ON	Carl Rodrigues

The list (cont.)

SOFTWARE

RANK	COMPANY NAME	% GROWTH	CITY	ST./PROV.	CEO NAME
380	Financeit	204%	Toronto	ON	Michael Garrity
381	ScienceLogic	203%	Reston	VA	David Link
382	Parkmobile	203%	Atlanta	GA	Jon Ziglar
384	AppFolio	202%	Santa Barbara	CA	Jason Randall
386	AXS	200%	Los Angeles	CA	Bryan Perez
388	Uberflip	200%	Toronto	ON	Yoav Schwartz
390	Zapproved	199%	Portland	OR	Monica Enand
391	Greenphire	199%	King Of Prussia	PA	Jim Murphy
392	Igloo Software	199%	Kitchener	ON	Dan Latendre
393	Tier1CRM Inc.	198%	Toronto	ON	Mark Notten
394	Rethink Autism, Inc.	197%	New York	NY	Daniel A. Etra
395	Vena Solutions	197%	Toronto	ON	Shawn Cadeau
396	Axtria, Inc.	197%	Berkeley Heights	NJ	Jaswinder Chadha
397	Oportun	197%	San Carlos	CA	Raul Vazquez
398	EVERFI	196%	Washington	DC	Tom Davidson

The list (cont.)

SOFTWARE

RANK	COMPANY NAME	% GROWTH	CITY	ST./PROV.	CEO NAME
399	Gubagoo	195%	Boca Raton	FL	Brad Title
400	Redfin	195%	Seattle	WA	Glenn Kelman
401	Palo Alto Networks	194%	Santa Clara	CA	Mark D. McLaughlin
402	Tricentis	194%	Mountain View	CA	Sandeep Johri
406	Cognitive Medical Systems	193%	San Diego	CA	Emory Fry, M.D.
408	TixTrack, Inc	192%	Santa Monica	CA	Steven Sunshine
413	Castlight Health, Inc.	188%	San Francisco	CA	John Doyle
414	Paycom	187%	Oklahoma City	OK	Chad Richison
416	Vetsource	186%	Portland	OR	Kurt Green
418	Cloud for Good	185%	Asheville	NC	Tal Frankfurt
420	Appnovation	184%	Vancouver	BC	Arnold Leung
421	DiscoverOrg	184%	Vancouver	WA	Henry Schuck
422	ClickDimensions	183%	Atlanta	GA	Mike Dickerson
423	Net Element, Inc.	183%	North Miami Beach	FL	Oleg Firer
424	ServiceNow, Inc.	183%	Santa Clara	CA	John Donahoe

The list (cont.)

SOFTWARE

RANK	COMPANY NAME	% GROWTH	CITY	ST./PROV.	CEO NAME
426	Nextiva	182%	Scottsdale	AZ	Tomas Gorny
427	Arista Networks, Inc.	182%	Santa Clara	CA	Jayshree Ullal
428	Acrelec America	181%	Pittsburgh	PA	Frank Amoruso
429	OnShift	180%	Cleveland	OH	Mark Woodka
434	Broadleaf Commerce	176%	Plano	TX	Brian Polster
435	Athena Software	174%	Waterloo	ON	Geoff Bellew
436	Thycotic	174%	Washington	DC	James Legg
437	Q4 Inc.	173%	Toronto	ON	Darrell Heaps
438	Geotab	173%	Oakville	ON	Neil Cawse
440	Innovid	172%	New York	NY	Zvika Netter
441	Limeade	172%	Bellevue	WA	Henry Albrecht
444	Skytap	170%	Seattle	WA	Thor Culverhouse
446	SailPoint	168%	Austin	TX	Mark McClain
447	Aventri	168%	Norwalk	CT	Oni Chukwu
448	Skyword	166%	Boston	MA	Tom Gerace

The list (cont.)

SOFTWARE

RANK	COMPANY NAME	% GROWTH	CITY	ST./PROV.	CEO NAME
451	Riva CRM Integration	165%	Edmonton	AB	Aldo Zanoni
455	Fleet Complete	164%	Toronto	ON	Andonios Lourakis
458	Proofpoint, Inc.	163%	Sunnyvale	CA	Gary Steele
461	Accurate Background	162%	Irvine	CA	Dave Dickerson
462	SendGrid, Inc.	162%	Denver	CO	Sameer Dholakia
463	MINDBODY	161%	San Luis Obispo	CA	Rick Stollmeyer
464	Pluralsight	161%	Farmington	UT	Aaron Skonnard
466	Square, Inc.	160%	San Francisco	CA	Jack Dorsey
468	Agreement Express	159%	Vancouver	BC	Mike Gardner
469	Veeva Systems, Inc.	159%	Pleasanton	CA	Peter Gassner
471	Ellie Mae	158%	Pleasanton	CA	Jonathan Corr
472	Avalara	158%	Seattle	WA	Scott McFarlane
475	Indellient	157%	Oakville	ON	Adam Caromicoli
476	CadmiumCD	157%	Forest Hill	MD	Michelle Wyatt
477	InRhythm	156%	New York	NY	Gunjan Doshi

The list (cont.)

SOFTWARE

RANK	COMPANY NAME	% GROWTH	CITY	ST./PROV.	CEO NAME
478	TicketManager	155%	Calabasas	CA	Tony Knopp
479	Budget Dumpster	155%	Westlake	OH	John Fenn
481	EventMobi	154%	Toronto	ON	Bob Vaez
484	Conversica	152%	Foster City	CA	Alex Terry
485	Nulogy	150%	Toronto	ON	Jason Tham
486	Simplify Healthcare	150%	Southfield	MI	Mohammed Vaid
489	Zoom Telephonics, Inc.	147%	Boston	MA	Frank B. Manning
491	Archer	147%	Berwyn	PA	Bryan Dori
492	Sooryen Technologies, Inc.	146%	Oradell	NJ	Ram Ganesan
494	Everbridge, Inc.	146%	Burlington	MA	Jaime Ellertson
496	Q2 Holdings, Inc.	145%	Austin	TX	Matt Flake
497	US Tech Solutions, Inc.	144%	Jersey City	NJ	Manoj Agarwal
498	PayLease	144%	San Diego	CA	Dirk Wakeham
500	Netwrix Corporation	143%	Irvine	CA	Steve Dickson

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