

Tornado Report. All prices as of market close Tuesday, December 31, 2002

Figures do not account for debt, which is usually not a concern for all but the very largest software and hardware companies (e.g. Lucent, Nortel, IBM, CA, etc.)

Cash (as it is tallied here) = Cash + Securities. (**Warning:** Cash + Securities data can lag earnings data - by many weeks!)

MC = Market Capitalization ttm = Trailing Twelve Months

Companies are in order of --> **TR = Tornado Ratio = (MC - CASH) / Revenue**

For more information on the TR (Tornado Ratio) go to: http://www.lannigan.org/tornado_report.htm

Company	Symbol	MC (mill.)	MC-Cash (mill)	MC/Rev. (ttm)	TR	Cash (mill.)	Rev. (ttm)	EPS (ttm)	P/E	Price	Shares (mill.)
Liquid Audio, Inc.	LQID	\$ 56	-\$ 25	48.4	-21.81	\$ 81	\$ 1	-\$0.75	n/a	\$ 2.5	22.8
Clarus	CLRS	\$ 88	-\$ 15	22.4	-3.68	\$ 103	\$ 4	-\$1.09	n/a	\$ 5.6	15.7
BackWeb Technologies Ltd.	BWEB	\$ 9	-\$ 19	1.0	-2.03	\$ 28	\$ 9	-\$0.73	n/a	\$ 0.2	39.8
Blue Martini Software	BLUE	\$ 30	-\$ 41	0.9	-1.23	\$ 71	\$ 34	-\$5.75	n/a	\$ 2.9	10.4
FirePond, Inc.	FIRE	\$ 9	-\$ 20	0.4	-0.93	\$ 29	\$ 22	-\$5.38	n/a	\$ 2.5	3.7
Keynote	KEYN	\$ 220	-\$ 19	5.8	-0.51	\$ 239	\$ 38	-\$2.23	n/a	\$ 7.7	28.5
Commerce One	CMRC	\$ 80	-\$ 68	0.6	-0.48	\$ 148	\$ 142	-\$17.61	n/a	\$ 2.8	29.2
Centra Software	CTRA	\$ 26	-\$ 14	0.7	-0.40	\$ 40	\$ 35	-\$0.64	n/a	\$ 1.0	26.0
Liberate Technologies	LBRT	\$ 122	-\$ 27	1.7	-0.37	\$ 149	\$ 73	-\$2.70	n/a	\$ 1.1	107.6
Rogue Wave Software	RWAV	\$ 18	-\$ 10	0.4	-0.23	\$ 28	\$ 43	-\$0.68	n/a	\$ 1.8	10.2
Pivotal Corporation	PVTL	\$ 18	-\$ 12	0.3	-0.19	\$ 30	\$ 66	-\$3.42	n/a	\$ 0.7	25.3
Vignette Corporation	VIGN	\$ 306	-\$ 29	1.8	-0.18	\$ 335	\$ 167	-\$4.33	n/a	\$ 1.2	250.6
Docent	DCNT	\$ 41	-\$ 4	1.5	-0.14	\$ 45	\$ 28	-\$2.53	n/a	\$ 2.9	14.3
Safeguard Scientifics	SFE	\$ 162	-\$ 164	0.1	-0.10	\$ 326	\$ 1,650	-\$1.37	n/a	\$ 1.4	119.4
Selectica, Inc.	SLTC	\$ 86	-\$ 3	2.1	-0.08	\$ 89	\$ 41	-\$0.68	n/a	\$ 2.7	31.7
Pumatech	PUMA	\$ 33	-\$ 2	1.5	-0.08	\$ 34	\$ 21	-\$0.65	n/a	\$ 0.7	46.1
Divine	DVIN	\$ 36	-\$ 26	0.1	-0.05	\$ 62	\$ 553	-\$25.45	n/a	\$ 1.4	25.8
Corel Corporation	CORL	\$ 73	-\$ 4	0.6	-0.03	\$ 78	\$ 125	-\$0.89	n/a	\$ 0.8	91.8
Corio, Inc.	CRIO	\$ 42	-\$ 2	0.8	-0.03	\$ 44	\$ 51	-\$0.77	n/a	\$ 0.8	56.5
Gateway Inc	GTW	\$ 1,020	-\$ 110	0.2	-0.03	\$ 1,130	\$ 4,250	-\$0.72	n/a	\$ 3.1	324.1
Silicon Graphics	SGI	\$ 226	-\$ 14	0.2	-0.01	\$ 240	\$ 1,200	-\$0.09	n/a	\$ 1.1	199.8
Broadvision	BVSN	\$ 110	\$ 1	0.8	0.01	\$ 109	\$ 130	-\$6.88	n/a	\$ 3.4	32.3
Tarantella, Inc.	TTLA	\$ 7	\$ 0	0.5	0.01	\$ 7	\$ 15	-\$0.39	n/a	\$ 0.2	41.0
Lucent	LU	\$ 4,550	\$ 130	0.4	0.01	\$ 4,420	\$ 12,300	-\$3.50	n/a	\$ 1.3	3610.0
I2	ITWO	\$ 498	\$ 13	0.9	0.02	\$ 484	\$ 574	-\$3.71	n/a	\$ 1.2	432.8
Mobius	MOBI	\$ 42	\$ 3	0.6	0.05	\$ 38	\$ 72	-\$0.17	n/a	\$ 2.4	17.4
Tech Data Corp	TECD	\$ 1,520	\$ 1,023	0.1	0.06	\$ 497	\$ 15,900	\$2.40	11.2	\$ 27.0	56.5
Ingram Micro A	IM	\$ 1,860	\$ 1,473	0.1	0.06	\$ 387	\$ 22,700	\$0.14	88.2	\$ 12.4	150.6
Solectron Corp	SLR	\$ 2,930	\$ 930	0.2	0.08	\$ 2,000	\$ 12,400	-\$3.70	n/a	\$ 3.6	826.0
Comshare	CSRE	\$ 23	\$ 5	0.4	0.08	\$ 18	\$ 58	-\$0.29	n/a	\$ 2.2	10.5
Sapiens International	SPNS	\$ 22	\$ 5	0.3	0.08	\$ 17	\$ 66	\$0.00	n/a	\$ 0.9	24.5

For more information on the TR (Tornado Ratio) go to: http://www.lannigan.org/tornado_report.htm

Company	Symbol	MC (mill.)	MC-Cash (mill)	MC/Rev. (ttm)	TR	Cash (mill.)	Rev. (ttm)	EPS (ttm)	P/E	Price	Shares (mill.)
IONA Technologies PLC	IONA	\$ 93	\$ 12	0.7	0.09	\$ 81	\$ 138	-\$2.81	n/a	\$ 2.9	32.7
Marimba, Inc.	MRBA	\$ 41	\$ 4	1.1	0.10	\$ 37	\$ 37	-\$0.52	n/a	\$ 1.6	25.1
Mercator	MCTR	\$ 34	\$ 13	0.3	0.12	\$ 20	\$ 112	-\$0.93	n/a	\$ 1.0	34.5
Frontstep	FSTP	\$ 15	\$ 11	0.2	0.13	\$ 3	\$ 88	-\$0.73	n/a	\$ 2.0	7.6
Merant	MRNT	\$ 142	\$ 27	0.7	0.14	\$ 115	\$ 191	-\$4.00	n/a	\$ 6.2	23.0
Apple Computer Inc	AAPL	\$ 5,150	\$ 810	0.9	0.14	\$ 4,340	\$ 5,740	\$0.18	79.6	\$ 14.3	359.1
AvantGo	AVGO	\$ 35	\$ 3	1.9	0.15	\$ 32	\$ 19	-\$0.69	n/a	\$ 1.0	35.7
3Com	COMS	\$ 1,700	\$ 210	1.4	0.17	\$ 1,490	\$ 1,250	-\$0.54	n/a	\$ 4.6	367.5
CMG Info	CMGI	\$ 385	\$ 117	0.6	0.17	\$ 268	\$ 698	-\$0.97	n/a	\$ 1.0	392.7
Document Sciences	DOCX	\$ 12	\$ 4	0.5	0.17	\$ 8	\$ 23	\$0.11	27.4	\$ 3.0	3.9
Nortel	NT	\$ 6,180	\$ 2,010	0.5	0.17	\$ 4,170	\$ 11,500	-\$1.45	n/a	\$ 1.6	3840.0
Exelon Corp	EXLN	\$ 23	\$ 7	0.6	0.18	\$ 16	\$ 42	-\$10.89	n/a	\$ 3.1	7.4
Segue	SEGU	\$ 10	\$ 5	0.3	0.18	\$ 5	\$ 29	-\$0.71	n/a	\$ 1.1	9.6
Art Technology Group	ARTG	\$ 87	\$ 20	0.8	0.18	\$ 68	\$ 107	-\$1.46	n/a	\$ 1.2	70.5
Magic Software Enterprise	MGIC	\$ 38	\$ 13	0.6	0.20	\$ 25	\$ 64	-\$1.01	n/a	\$ 1.3	29.8
Sagent	SGNT	\$ 14	\$ 9	0.3	0.20	\$ 5	\$ 43	-\$0.64	n/a	\$ 0.3	46.4
Applix	APLX	\$ 14	\$ 7	0.4	0.21	\$ 6	\$ 36	-\$0.44	n/a	\$ 1.1	12.4
Versant Corporation	VSNT	\$ 8	\$ 4	0.4	0.21	\$ 4	\$ 20	-\$0.27	n/a	\$ 0.7	12.4
Peerless Systems Corp.	PRLS	\$ 21	\$ 7	0.7	0.23	\$ 14	\$ 32	-\$0.19	n/a	\$ 1.4	15.3
Astea International, Inc.	ATEA	\$ 9	\$ 4	0.6	0.26	\$ 5	\$ 16	-\$0.17	n/a	\$ 0.6	14.6
Earthlink	ELNK	\$ 839	\$ 376	0.6	0.28	\$ 463	\$ 1,340	-\$1.43	n/a	\$ 5.5	153.9
Descartes Systems Group	DSGX	\$ 162	\$ 20	2.3	0.29	\$ 142	\$ 71	-\$0.79	n/a	\$ 3.1	52.2
Brio Technology, Inc.	BRIO	\$ 59	\$ 33	0.6	0.32	\$ 25	\$ 105	-\$0.31	n/a	\$ 1.6	37.8
Aladdin Knowledge Systems	ALDN	\$ 29	\$ 16	0.6	0.33	\$ 13	\$ 49	-\$0.31	n/a	\$ 2.6	11.3
QAD Inc.	QADI	\$ 118	\$ 64	0.6	0.33	\$ 53	\$ 192	-\$0.21	n/a	\$ 3.4	34.5
Mobile Data Solutions	MDSI	\$ 26	\$ 15	0.6	0.36	\$ 11	\$ 41	-\$0.42	n/a	\$ 3.2	8.2
Roxio, Inc.	ROXI	\$ 93	\$ 50	0.7	0.37	\$ 43	\$ 135	-\$0.10	n/a	\$ 4.8	19.4
Ross Systems, Inc.	ROSS	\$ 22	\$ 17	0.5	0.37	\$ 5	\$ 46	-\$3.64	n/a	\$ 8.2	2.7
Electronic Data Systems	EDS	\$ 8,780	\$ 8,166	0.4	0.37	\$ 614	\$ 22,100	\$2.36	7.8	\$ 18.4	476.4
Stellant	STEL	\$ 100	\$ 28	1.4	0.38	\$ 72	\$ 73	-\$1.64	n/a	\$ 4.4	22.5
Novadigm	NVDM	\$ 45	\$ 23	0.8	0.38	\$ 22	\$ 60	-\$0.49	n/a	\$ 2.3	19.4
Cognicase	COGI	\$ 164	\$ 126	0.5	0.39	\$ 38	\$ 326	-\$3.63	n/a	\$ 2.6	62.8
BindView	BVEW	\$ 67	\$ 29	1.0	0.43	\$ 38	\$ 67	-\$0.49	n/a	\$ 1.5	46.3
Click2Learn	CLKS	\$ 18	\$ 14	0.6	0.43	\$ 4	\$ 33	-\$0.81	n/a	\$ 0.8	24.6
Akamai	AKAM	\$ 202	\$ 65	1.4	0.44	\$ 137	\$ 147	-\$1.93	n/a	\$ 1.7	116.7
Advanced Micro Dev	AMD	\$ 2,220	\$ 1,354	0.8	0.46	\$ 866	\$ 2,960	-\$1.36	n/a	\$ 6.5	343.5
Netegrity, Inc.	NETE	\$ 111	\$ 33	1.6	0.47	\$ 78	\$ 71	-\$2.38	n/a	\$ 3.3	34.2
Computer Sciences	CSC	\$ 5,910	\$ 5,778	0.5	0.51	\$ 132	\$ 11,400	\$2.32	14.8	\$ 34.5	171.7

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Motorola Inc	MOT	\$ 19,900	\$ 13,530	0.7	0.51	\$ 6,370	\$ 26,600	-\$1.72	n/a	\$ 8.7	2300.0
Novell Inc	NOVL	\$ 1,220	\$ 584	1.1	0.52	\$ 636	\$ 1,130	-\$0.28	n/a	\$ 3.3	364.4
MapInfo Corporation	MAPS	\$ 84	\$ 48	0.9	0.52	\$ 36	\$ 93	-\$0.16	n/a	\$ 5.6	15.1
Unisys Corp	UIS	\$ 3,230	\$ 3,064	0.6	0.55	\$ 166	\$ 5,610	-\$0.12	n/a	\$ 9.9	326.4
Starbase Corporation	SBAS	\$ 24	\$ 22	0.6	0.55	\$ 1	\$ 41	-\$6.49	n/a	\$ 2.7	8.7
Saba Software	SABA	\$ 51	\$ 31	0.9	0.56	\$ 20	\$ 56	-\$0.35	n/a	\$ 1.1	48.5
Sun Micro	SUNW	\$ 9,690	\$ 7,060	0.8	0.57	\$ 2,630	\$ 12,400	-\$0.16	n/a	\$ 3.1	3110.0
Actuate Corporation	ACTU	\$ 106	\$ 63	1.0	0.57	\$ 43	\$ 111	-\$0.49	n/a	\$ 1.8	59.7
Attunity	ATTU	\$ 12	\$ 9	0.8	0.58	\$ 3	\$ 15	-\$0.53	n/a	\$ 0.8	14.8
Parametric Technology	PMTC	\$ 658	\$ 448	0.9	0.59	\$ 210	\$ 754	-\$0.29	n/a	\$ 2.5	261.2
Hewlett Packard	HWP	\$ 33,900	\$ 26,760	0.8	0.61	\$ 7,140	\$ 44,200	\$0.36	48.4	\$ 17.4	1940.0
Interwoven	IWOV	\$ 277	\$ 86	2.0	0.61	\$ 192	\$ 140	-\$1.41	n/a	\$ 2.6	106.7
Amdocs	DOX	\$ 2,120	\$ 1,070	1.3	0.66	\$ 1,050	\$ 1,610	-\$0.03	n/a	\$ 9.8	215.5
Keane, Inc.	KEA	\$ 643	\$ 577	0.8	0.68	\$ 66	\$ 848	\$0.15	59.9	\$ 9.0	71.6
Lsi Logic	LSI	\$ 2,150	\$ 1,207	1.2	0.69	\$ 944	\$ 1,740	-\$1.39	n/a	\$ 5.8	371.9
Hewlett-Packard	HPQ	\$ 53,000	\$ 41,600	0.9	0.73	\$ 11,400	\$ 56,600	-\$0.17	n/a	\$ 17.4	3050.0
CorVu	CRVU.OB	\$ 12	\$ 12	0.8	0.80	\$ 0	\$ 15	\$0.10	5.3	\$ 0.5	22.2
Phoenix	PTEC	\$ 152	\$ 76	1.6	0.82	\$ 76	\$ 93	-\$0.13	n/a	\$ 5.8	26.4
Onyx Software Corporation	ONXS	\$ 78	\$ 58	1.1	0.83	\$ 21	\$ 69	-\$0.48	n/a	\$ 1.6	50.6
FileNET Corporation	FILE	\$ 438	\$ 290	1.3	0.85	\$ 148	\$ 342	\$0.17	71.8	\$ 12.2	35.9
Wind River Systems, Inc.	WIND	\$ 325	\$ 248	1.1	0.85	\$ 77	\$ 291	-\$1.58	n/a	\$ 4.1	79.1
Pervasive Software	PVSW	\$ 68	\$ 32	1.8	0.86	\$ 36	\$ 37	\$0.36	11.4	\$ 4.1	16.6
Prophet 21	PXXI	\$ 63	\$ 37	1.5	0.87	\$ 26	\$ 43	\$0.77	20.8	\$ 16.0	3.9
Compuware	CPWR	\$ 1,810	\$ 1,381	1.2	0.89	\$ 430	\$ 1,550	-\$0.67	n/a	\$ 4.8	377.9
Siebel Systems	SEBL	\$ 3,590	\$ 1,520	2.1	0.90	\$ 2,070	\$ 1,690	\$0.11	67.3	\$ 7.4	484.6
ServiceWare Technologies	SVCW	\$ 14	\$ 11	1.2	0.92	\$ 3	\$ 12	-\$0.24	n/a	\$ 0.6	24.0
Lawson Software	LWSN	\$ 566	\$ 373	1.4	0.92	\$ 192	\$ 405	-\$0.30	n/a	\$ 5.8	98.4
Progress Software	PRGS	\$ 442	\$ 265	1.6	0.94	\$ 177	\$ 281	\$0.67	19.3	\$ 13.0	34.1
Bottomline Tech.	EPAY	\$ 94	\$ 70	1.3	0.97	\$ 24	\$ 72	-\$2.28	n/a	\$ 6.0	15.6
Mitek Systems Inc.	MITK	\$ 14	\$ 13	1.0	0.99	\$ 1	\$ 13	\$0.03	41.0	\$ 1.2	11.1
Ask Jeeves	ASKJ	\$ 106	\$ 66	1.6	0.99	\$ 40	\$ 67	-\$0.55	n/a	\$ 2.6	41.6
DocuCorp	DOCC	\$ 88	\$ 76	1.2	1.04	\$ 12	\$ 74	\$0.39	17.0	\$ 6.6	13.3
Timberline Software	TMBS	\$ 69	\$ 62	1.2	1.06	\$ 7	\$ 59	\$0.08	73.5	\$ 5.9	11.8
RSA Security Inc	RSAS	\$ 341	\$ 249	1.5	1.06	\$ 92	\$ 234	-\$1.01	n/a	\$ 6.0	56.9
Hyperion Solutions Corp.	HYSL	\$ 875	\$ 529	1.8	1.07	\$ 346	\$ 495	\$0.63	40.7	\$ 25.7	34.1
Cover-All Technologies	COVR.OB	\$ 7	\$ 7	1.1	1.07	\$ 0	\$ 6	-\$0.03	n/a	\$ 0.5	15.3
CNET	CNET	\$ 377	\$ 276	1.6	1.15	\$ 101	\$ 239	-\$3.21	n/a	\$ 2.7	139.1
JD Edwards	JDEC	\$ 1,350	\$ 1,047	1.5	1.16	\$ 303	\$ 905	\$0.39	28.9	\$ 11.3	119.4

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Sybase, Inc.	SY	\$ 1,270	\$ 1,008	1.5	1.18	\$ 262	\$ 854	\$0.53	25.3	\$ 13.4	94.6
VA Linux	LNIX	\$ 50	\$ 24	2.5	1.19	\$ 26	\$ 20	-\$0.76	n/a	\$ 0.9	54.5
DoubleClick	DCLK	\$ 770	\$ 401	2.3	1.21	\$ 369	\$ 330	-\$0.96	n/a	\$ 5.7	136.1
MicroStrategy	MSTR	\$ 204	\$ 182	1.4	1.23	\$ 22	\$ 148	\$2.53	6.0	\$ 15.1	13.5
Informatica Corporation	INFA	\$ 467	\$ 241	2.4	1.25	\$ 226	\$ 193	-\$0.32	n/a	\$ 5.8	81.0
Group 1 Software, Inc.	GSOE	\$ 172	\$ 119	1.8	1.25	\$ 53	\$ 95	\$0.45	26.6	\$ 12.0	14.4
Verisign	VRSN	\$ 1,900	\$ 1,573	1.5	1.28	\$ 327	\$ 1,230	-\$22.73	n/a	\$ 8.0	237.3
Datakey, Inc.	DKEY	\$ 14	\$ 11	1.7	1.30	\$ 3	\$ 9	-\$0.18	n/a	\$ 1.4	10.1
WebMethods	WEBM	\$ 428	\$ 258	2.2	1.33	\$ 171	\$ 194	-\$0.75	n/a	\$ 8.2	52.1
America Online	AOL	\$ 58,600	\$ 56,250	1.5	1.40	\$ 2,350	\$ 40,200	-\$0.34	n/a	\$ 13.1	4470.0
Macromedia, Inc.	MACR	\$ 642	\$ 449	2.0	1.41	\$ 194	\$ 318	-\$2.38	n/a	\$ 10.7	60.3
DataMirror Corporation	DMCX	\$ 75	\$ 53	2.0	1.46	\$ 21	\$ 37	-\$0.18	n/a	\$ 6.5	11.4
Digital Think	DTHK	\$ 72	\$ 49	2.2	1.50	\$ 23	\$ 33	-\$1.16	n/a	\$ 1.7	41.4
Tektronix Inc	TEK	\$ 1,580	\$ 1,238	1.9	1.51	\$ 342	\$ 819	\$0.44	41.3	\$ 18.2	86.9
RealNetworks, Inc.	RNWK	\$ 601	\$ 276	3.3	1.52	\$ 325	\$ 182	-\$0.30	n/a	\$ 3.8	157.7
Business Objects Ads	BOBJ	\$ 952	\$ 685	2.1	1.54	\$ 266	\$ 445	\$0.65	23.1	\$ 15.0	63.4
Hummingbird Ltd.	HUMC	\$ 393	\$ 278	2.2	1.54	\$ 114	\$ 180	-\$0.16	n/a	\$ 21.4	18.3
IBM	IBM	\$ 131,000	\$ 125,780	1.6	1.57	\$ 5,220	\$ 80,300	\$3.30	23.5	\$ 77.5	1690.0
Rational Software Corp.	RATL	\$ 2,030	\$ 1,030	3.1	1.57	\$ 1,000	\$ 657	-\$0.29	n/a	\$ 10.4	195.2
Autodesk Inc	ADSK	\$ 1,620	\$ 1,390	1.8	1.57	\$ 230	\$ 884	\$0.41	34.9	\$ 14.3	113.4
Inktomi Corporation	INKT	\$ 234	\$ 189	2.1	1.68	\$ 45	\$ 113	-\$3.43	n/a	\$ 1.6	146.4
Lexmark Intl Inc A	LXK	\$ 7,620	\$ 7,372	1.8	1.70	\$ 248	\$ 4,330	\$2.17	27.9	\$ 60.5	125.9
Amazon	AMZN	\$ 7,210	\$ 6,344	2.0	1.75	\$ 866	\$ 3,620	-\$0.39	n/a	\$ 18.9	381.5
Network Associates, Inc.	NET	\$ 2,520	\$ 1,705	2.6	1.77	\$ 815	\$ 966	\$0.26	61.9	\$ 16.1	156.4
Ariba	ARBA	\$ 659	\$ 413	2.9	1.80	\$ 245	\$ 229	-\$2.55	n/a	\$ 2.5	265.5
Micron Technology	MU	\$ 5,890	\$ 5,232	2.0	1.81	\$ 658	\$ 2,890	-\$2.05	n/a	\$ 9.7	605.1
DST Systems	DST	\$ 4,250	\$ 4,130	1.9	1.88	\$ 120	\$ 2,200	\$1.76	20.2	\$ 35.6	119.6
Dell Computer Corp	DELL	\$ 69,000	\$ 64,700	2.0	1.92	\$ 4,300	\$ 33,700	\$0.74	36.1	\$ 26.7	2580.0
Bisys Group	BSG	\$ 1,910	\$ 1,841	2.1	2.05	\$ 69	\$ 897	\$0.92	17.3	\$ 15.9	120.3
Peoplesoft	PSFT	\$ 5,730	\$ 4,030	3.0	2.09	\$ 1,700	\$ 1,930	\$0.57	32.1	\$ 18.3	313.0
Documentum	DCTM	\$ 627	\$ 453	3.0	2.16	\$ 174	\$ 209	-\$0.05	n/a	\$ 15.7	40.0
Legato Systems	LGTO	\$ 584	\$ 538	2.4	2.18	\$ 45	\$ 247	-\$2.59	n/a	\$ 5.0	116.0
Open Text Corporation	OTEX	\$ 443	\$ 340	2.9	2.20	\$ 103	\$ 154	\$0.95	24.2	\$ 23.0	19.3
Research in Motion	RIMM	\$ 1,010	\$ 659	3.4	2.25	\$ 351	\$ 293	-\$2.72	n/a	\$ 13.1	77.0
Look Smart	LOOK	\$ 243	\$ 192	2.9	2.28	\$ 52	\$ 84	-\$0.18	n/a	\$ 2.5	98.1
Computer Associates	CA	\$ 7,740	\$ 6,964	2.5	2.28	\$ 776	\$ 3,060	-\$1.02	n/a	\$ 13.5	573.3
PMC-Sierra Inc	PMCS	\$ 931	\$ 509	4.4	2.39	\$ 422	\$ 213	-\$2.03	n/a	\$ 5.6	167.4
Borland	BORL	\$ 877	\$ 568	3.7	2.40	\$ 309	\$ 237	\$0.27	45.6	\$ 12.3	71.3

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Embarcadero Technologies	EMBT	\$ 163	\$ 119	3.3	2.45	\$ 44	\$ 49	\$0.02	298.5	\$ 6.0	27.2
Checkfree Corp	CKFR	\$ 1,420	\$ 1,234	2.8	2.45	\$ 186	\$ 504	-\$4.18	n/a	\$ 16.0	88.7
Tibco Software, Inc.	TIBX	\$ 1,300	\$ 662	4.8	2.45	\$ 638	\$ 270	-\$0.46	n/a	\$ 6.2	209.9
Overture	OVER	\$ 1,600	\$ 1,412	2.8	2.48	\$ 188	\$ 569	\$1.40	19.5	\$ 27.3	58.4
Jack Henry	JKHY	\$ 1,060	\$ 1,017	2.7	2.56	\$ 43	\$ 398	\$0.59	20.4	\$ 12.0	87.7
BMC Software, Inc.	BMC	\$ 4,030	\$ 3,260	3.2	2.61	\$ 770	\$ 1,250	-\$0.33	n/a	\$ 17.1	235.5
ANSYS	ANSS	\$ 294	\$ 239	3.2	2.63	\$ 55	\$ 91	\$1.14	17.7	\$ 20.2	14.6
Fiserv Inc	FISV	\$ 6,500	\$ 6,282	3.0	2.88	\$ 218	\$ 2,180	\$1.29	26.3	\$ 34.0	191.3
Veritas Software Corp.	VRTS	\$ 6,430	\$ 4,310	4.3	2.91	\$ 2,120	\$ 1,480	-\$0.25	n/a	\$ 15.6	411.6
SAP AG	SAP	\$ 24,600	\$ 23,570	3.1	3.01	\$ 1,030	\$ 7,820	\$0.30	65.0	\$ 19.5	1260.0
Cognos	COGN	\$ 2,060	\$ 1,722	3.9	3.28	\$ 338	\$ 525	\$0.70	33.5	\$ 23.5	87.9
Intel Corp	INTC	\$ 103,200	\$ 92,000	3.9	3.46	\$ 11,200	\$ 26,600	\$0.38	41.0	\$ 15.6	6620.0
Citrix Systems	CTXS	\$ 2,110	\$ 1,863	3.9	3.47	\$ 247	\$ 537	\$0.43	28.7	\$ 12.3	171.0
Verity	VRTY	\$ 465	\$ 355	4.8	3.70	\$ 109	\$ 96	\$0.26	51.5	\$ 13.4	34.7
Symantec Corporation	SYMC	\$ 5,860	\$ 4,690	4.7	3.78	\$ 1,170	\$ 1,240	\$0.72	56.3	\$ 40.5	144.7
BEA Systems	BEAS	\$ 4,710	\$ 3,580	5.1	3.91	\$ 1,130	\$ 916	\$0.14	81.9	\$ 11.5	410.5
Digital River, Inc.	DRIV	\$ 325	\$ 290	4.4	3.91	\$ 35	\$ 74	-\$0.28	n/a	\$ 12.0	27.2
CheckPoint Software	CHKP	\$ 3,150	\$ 1,910	7.2	4.35	\$ 1,240	\$ 439	\$1.04	12.5	\$ 13.0	242.8
Cisco	CSCO	\$ 94,600	\$ 84,300	4.9	4.37	\$ 10,300	\$ 19,300	\$0.37	35.4	\$ 13.1	7230.0
Adobe	ADBE	\$ 5,860	\$ 5,242	5.1	4.52	\$ 618	\$ 1,160	\$0.78	31.8	\$ 24.8	236.3
Mercury Interactive Corp.	MERQ	\$ 2,500	\$ 2,015	6.7	5.41	\$ 485	\$ 373	\$0.52	57.0	\$ 29.7	84.5
Oracle Corporation	ORCL	\$ 56,900	\$ 51,420	6.0	5.45	\$ 5,480	\$ 9,440	\$0.38	28.4	\$ 10.8	5270.0
Precise Software	PRSE	\$ 490	\$ 395	6.8	5.51	\$ 95	\$ 72	\$0.09	183.4	\$ 16.5	29.7
Intuit, Inc.	INTU	\$ 9,630	\$ 8,771	6.2	5.66	\$ 859	\$ 1,550	\$0.66	71.1	\$ 46.9	205.2
Rambus Inc	RMBS	\$ 654	\$ 568	6.8	5.88	\$ 87	\$ 97	\$0.24	28.0	\$ 6.7	97.5
Microsoft Corp	MSFT	\$ 276,400	\$ 235,900	9.2	7.86	\$ 40,500	\$ 30,000	\$1.68	30.8	\$ 51.7	5350.0
Yahoo!	YHOO	\$ 9,660	\$ 8,884	11.3	10.38	\$ 776	\$ 856	\$0.09	181.7	\$ 16.4	590.9
Red Hat, Inc.	RHAT	\$ 1,010	\$ 922	12.3	11.22	\$ 88	\$ 82	-\$0.19	n/a	\$ 5.9	170.1
Infosys Technologies Ltd.	INFY	\$ 9,210	\$ 8,932	15.0	14.52	\$ 278	\$ 615	\$1.31	53.1	\$ 69.6	132.4
EBay	EBAY	\$ 20,900	\$ 20,054	20.5	19.66	\$ 846	\$ 1,020	\$0.66	102.8	\$ 67.8	308.7