

All prices as of market close Friday, June 28, 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

All "tracked" companies.

Company	Symbol	MC (mill.)	MC-Cash (mill)	MC/Rev. (ttm)	TR	Cash (mill.)	Rev. (ttm)	EPS (ttm)	P/E	Price	Shares (mill.)
Rare Medium	RRRR	\$ 12	-\$ 72	38.8	-235.9	\$ 84	\$ 0	-\$1.35	n/a	\$ 0.2	65.3
Liquid Audio, Inc.	LQID	\$ 56	-\$ 31	17.4	-9.6	\$ 86	\$ 3	-\$1.36	n/a	\$ 2.5	22.7
eBT International, Inc.	EBTI	\$ 5	-\$ 56	0.7	-7.6	\$ 60	\$ 7	-\$1.44	n/a	\$ 0.3	14.9
Clarus	CLRS	\$ 78	-\$ 36	4.8	-2.2	\$ 114	\$ 16	-\$6.66	n/a	\$ 5.0	15.6
AvantGo	AVGO	\$ 18	-\$ 24	0.8	-1.1	\$ 42	\$ 22	-\$1.47	n/a	\$ 0.5	35.5
Keynote	KEYN	\$ 208	-\$ 39	5.3	-1.0	\$ 247	\$ 39	-\$1.95	n/a	\$ 7.3	28.4
BackWeb Technologies Ltd.	BWEB	\$ 23	-\$ 14	1.5	-0.9	\$ 38	\$ 16	-\$0.85	n/a	\$ 0.6	39.1
FirePond, Inc.	FIRE	\$ 13	-\$ 23	0.4	-0.7	\$ 35	\$ 32	-\$1.27	n/a	\$ 0.3	36.8
Comdisco Inc	CDO	\$ 23	-\$ 1,687	0.0	-0.7	\$ 1,710	\$ 2,410	-\$3.39	n/a	\$ 0.2	150.6
ExperTelligence, Inc.	EXGP	\$ 0	-\$ 0	0.5	-0.6	\$ 0	\$ 0	-\$1.33	n/a	\$ 0.1	2.4
Blue Martini Software	BLUE	\$ 65	-\$ 24	1.5	-0.5	\$ 89	\$ 45	-\$0.79	n/a	\$ 0.9	74.0
Pumatech	PUMA	\$ 27	-\$ 11	1.0	-0.4	\$ 37	\$ 26	-\$0.97	n/a	\$ 0.6	45.3
Commerce One	CMRC	\$ 142	-\$ 106	0.5	-0.4	\$ 247	\$ 270	-\$10.83	n/a	\$ 0.5	289.0
Delano Technology	DTEC	\$ 6	-\$ 7	0.3	-0.4	\$ 13	\$ 18	-\$4.28	n/a	\$ 0.1	43.2
Docent	DCNT	\$ 49	-\$ 7	1.6	-0.2	\$ 56	\$ 30	-\$1.38	n/a	\$ 1.2	42.9
Broadvision	BVSN	\$ 89	-\$ 40	0.5	-0.2	\$ 130	\$ 184	-\$2.76	n/a	\$ 0.3	288.4
Corio, Inc.	CRIO	\$ 61	-\$ 10	1.2	-0.2	\$ 71	\$ 49	-\$1.03	n/a	\$ 1.1	55.9
CMG Info	CMGI	\$ 188	-\$ 167	0.2	-0.2	\$ 355	\$ 850	-\$5.00	n/a	\$ 0.5	392.4
Marimba, Inc.	MRBA	\$ 36	-\$ 7	0.9	-0.2	\$ 44	\$ 41	-\$0.52	n/a	\$ 1.5	24.2
Caldera International Inc	CALD	\$ 10	-\$ 12	0.1	-0.2	\$ 22	\$ 71	-\$8.96	n/a	\$ 0.7	13.9
Ask Jeeves	ASKJ	\$ 42	-\$ 9	0.7	-0.1	\$ 52	\$ 64	-\$1.55	n/a	\$ 1.0	41.1
VA Linux	LNIX	\$ 54	-\$ 4	1.7	-0.1	\$ 58	\$ 32	-\$6.95	n/a	\$ 1.0	54.1
Akamai	AKAM	\$ 151	-\$ 13	0.9	-0.1	\$ 164	\$ 161	-\$2.58	n/a	\$ 1.3	116.0
Safeguard Scientifics	SFE	\$ 239	-\$ 137	0.1	-0.1	\$ 375	\$ 1,700	-\$2.47	n/a	\$ 2.0	119.5
Art Technology Group	ARTG	\$ 71	-\$ 10	0.6	-0.1	\$ 80	\$ 123	-\$2.12	n/a	\$ 1.0	69.8
INSpire Insur. Solutions	NSPR	\$ 2	-\$ 3	0.0	0.0	\$ 5	\$ 69	-\$3.58	n/a	\$ 0.1	19.0
Corel Corporation	CORL	\$ 84	-\$ 3	0.7	0.0	\$ 86	\$ 128	-\$0.24	n/a	\$ 0.9	91.8
Beyond.com	BYND	\$ 3	-\$ 1	0.0	0.0	\$ 4	\$ 91	-\$34.27	n/a	\$ 0.8	3.3
Gentia	GNTIY.OB	\$ 0	-\$ 0	0.0	0.0	\$ 0	\$ 9	-\$0.95	n/a	\$ 0.0	18.7
NetManage, Inc.	NETM	\$ 35	\$ 1	0.5	0.0	\$ 34	\$ 77	-\$0.07	n/a	\$ 0.6	62.9
I2	ITWO	\$ 631	\$ 14	0.8	0.0	\$ 617	\$ 790	-\$16.82	n/a	\$ 1.5	426.2

## All "tracked" companies.

Company	Symbol	MC (mill.)	MC-Cash (mill)	MC/Rev. (ttm)	TR	Cash (mill.)	Rev. (ttm)	EPS (ttm)	P/E	Price	Shares (mill.)
Accrue Software, Inc.	ACRU	\$ 5	\$ 0	0.3	0.0	\$ 5	\$ 14	-\$0.41	n/a	\$ 0.2	30.2
Rogue Wave Software	RWAV	\$ 30	\$ 1	0.6	0.0	\$ 29	\$ 52	-\$0.16	n/a	\$ 2.7	11.1
Sapiens International	SPNS	\$ 22	\$ 3	0.3	0.0	\$ 19	\$ 65	-\$0.33	n/a	\$ 0.9	24.5
Gateway Inc	GTW	\$ 1,440	\$ 240	0.3	0.0	\$ 1,200	\$ 5,040	-\$2.04	n/a	\$ 4.4	324.0
Lucent	LU	\$ 5,690	\$ 870	0.3	0.0	\$ 4,820	\$ 18,100	-\$3.03	n/a	\$ 1.7	3430.0
Magic Softgware Enterprise	MGIC	\$ 33	\$ 4	0.4	0.1	\$ 28	\$ 73	-\$1.12	n/a	\$ 1.3	26.1
Centra Software	CTRA	\$ 48	\$ 2	1.3	0.1	\$ 45	\$ 38	-\$0.76	n/a	\$ 1.9	25.6
Ingram Micro A	IM	\$ 2,060	\$ 1,681	0.1	0.1	\$ 380	\$ 23,600	-\$0.02	n/a	\$ 13.8	149.9
Comshare	CSRE	\$ 23	\$ 4	0.4	0.1	\$ 18	\$ 60	-\$1.20	n/a	\$ 2.2	10.3
Document Sciences	DOCX	\$ 9	\$ 2	0.4	0.1	\$ 7	\$ 22	\$0.10	22.6	\$ 2.3	3.9
MicroStrategy	MSTR	\$ 47	\$ 14	0.3	0.1	\$ 33	\$ 167	\$0.29	1.7	\$ 0.5	93.5
3Com	COMS	\$ 1,570	\$ 120	1.1	0.1	\$ 1,450	\$ 1,480	-\$1.71	n/a	\$ 4.4	356.5
Divine	DVIN	\$ 73	\$ 31	0.2	0.1	\$ 43	\$ 336	-\$42.40	n/a	\$ 3.9	18.8
BindView	BVEW	\$ 53	\$ 7	0.7	0.1	\$ 45	\$ 71	-\$0.39	n/a	\$ 1.0	51.7
Nortel	NT	\$ 4,650	\$ 1,560	0.3	0.1	\$ 3,090	\$ 14,700	-\$7.13	n/a	\$ 1.5	3210.0
Tech Data Corp	TECD	\$ 2,140	\$ 1,926	0.1	0.1	\$ 214	\$ 16,400	\$1.99	19.0	\$ 37.9	56.4
Inktomi Corporation	INKT	\$ 128	\$ 18	0.9	0.1	\$ 110	\$ 149	-\$2.51	n/a	\$ 0.9	145.3
Selectica, Inc.	SLTC	\$ 133	\$ 6	2.8	0.1	\$ 127	\$ 47	-\$0.75	n/a	\$ 4.0	33.6
Brio Technology, Inc.	BRIO	\$ 43	\$ 15	0.4	0.1	\$ 27	\$ 111	-\$0.86	n/a	\$ 1.2	37.1
Solectron Corp	SLR	\$ 5,060	\$ 1,830	0.4	0.1	\$ 3,230	\$ 12,800	-\$1.00	n/a	\$ 6.2	822.9
Versant Corporation	VSNT	\$ 9	\$ 4	0.3	0.1	\$ 5	\$ 29	-\$0.43	n/a	\$ 0.8	12.3
Stellant	STEL	\$ 103	\$ 14	1.2	0.2	\$ 89	\$ 88	-\$1.00	n/a	\$ 4.6	22.4
Frontstep	FSTP	\$ 23	\$ 19	0.2	0.2	\$ 4	\$ 100	-\$1.12	n/a	\$ 3.0	7.6
Mercator	MCTR	\$ 52	\$ 24	0.4	0.2	\$ 28	\$ 125	-\$1.58	n/a	\$ 1.5	33.9
Segue	SEGU	\$ 15	\$ 7	0.5	0.2	\$ 9	\$ 33	-\$1.60	n/a	\$ 1.6	9.6
Silicon Graphics	SGI	\$ 587	\$ 355	0.4	0.2	\$ 232	\$ 1,490	-\$1.33	n/a	\$ 2.9	199.6
QAD Inc.	QADI	\$ 98	\$ 48	0.5	0.2	\$ 50	\$ 197	-\$0.24	n/a	\$ 2.9	34.4
Walker Interactive System	WALK.OB	\$ 18	\$ 13	0.4	0.3	\$ 6	\$ 50	\$0.11	11.0	\$ 1.2	15.2
Applix	APLX	\$ 19	\$ 11	0.5	0.3	\$ 8	\$ 38	-\$0.66	n/a	\$ 1.6	12.2
Aladdin Knowledge Systems	ALDN	\$ 27	\$ 14	0.6	0.3	\$ 13	\$ 47	-\$1.32	n/a	\$ 2.4	11.3
Mobile Data Solutions	MDSI	\$ 30	\$ 17	0.6	0.3	\$ 13	\$ 52	-\$0.95	n/a	\$ 3.4	8.9
Mobius	MOBI	\$ 56	\$ 22	0.8	0.3	\$ 34	\$ 67	-\$0.22	n/a	\$ 3.3	17.2
Apple Computer Inc	AAPL	\$ 6,300	\$ 1,990	1.1	0.3	\$ 4,310	\$ 5,790	\$0.57	31.1	\$ 17.7	355.7
Ross Systems, Inc.	ROSS	\$ 21	\$ 16	0.5	0.3	\$ 5	\$ 45	\$0.61	13.1	\$ 8.0	2.6
IONA Technologies PLC	IONA	\$ 173	\$ 63	1.0	0.4	\$ 110	\$ 178	-\$3.35	n/a	\$ 5.3	32.6
Peerless Systems Corp.	PRLS	\$ 25	\$ 11	0.8	0.4	\$ 14	\$ 32	-\$0.48	n/a	\$ 1.6	15.4
Smartforce PLC	SMTF	\$ 194	\$ 88	0.8	0.4	\$ 106	\$ 243	-\$0.28	n/a	\$ 3.4	57.0
Amdocs	DOX	\$ 1,680	\$ 640	1.0	0.4	\$ 1,040	\$ 1,700	\$0.31	24.4	\$ 7.6	222.5

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Sagent	SGNT	\$ 31	\$ 18	0.6	0.4	\$ 13	\$ 48	-\$0.80	n/a	\$ 0.7	46.4
Starbase Corporation	SBAS	\$ 20	\$ 18	0.4	0.4	\$ 2	\$ 45	-\$1.48	n/a	\$ 0.3	79.7
Astea International, Inc.	ATEA	\$ 14	\$ 7	0.8	0.4	\$ 7	\$ 16	-\$0.14	n/a	\$ 0.9	14.6
Earthlink	ELNK	\$ 1,010	\$ 557	0.8	0.4	\$ 453	\$ 1,280	-\$2.34	n/a	\$ 6.7	150.2
Novell Inc	NOVL	\$ 1,170	\$ 487	1.1	0.4	\$ 683	\$ 1,110	-\$0.38	n/a	\$ 3.2	364.3
Group 1 Software, Inc.	GSOE	\$ 87	\$ 40	1.0	0.4	\$ 48	\$ 89	\$0.63	22.0	\$ 13.9	6.3
NetGenesis Corp.	NTGX	\$ 40	\$ 9	2.1	0.4	\$ 31	\$ 20	-\$1.98	n/a	\$ 1.7	23.6
Unisys Corp	UIS	\$ 2,910	\$ 2,627	0.5	0.5	\$ 283	\$ 5,760	-\$0.27	n/a	\$ 9.0	323.8
Compaq Computer	CPQ	\$ 18,800	\$ 15,100	0.6	0.5	\$ 3,700	\$ 32,100	-\$0.36	n/a	\$ 11.0	1710.0
Vignette Corporation	VIGN	\$ 490	\$ 122	1.9	0.5	\$ 368	\$ 253	-\$5.48	n/a	\$ 2.0	248.9
Loudcloud	LDCL	\$ 109	\$ 32	1.8	0.5	\$ 77	\$ 62	-\$2.78	n/a	\$ 1.4	76.3
CorVu	CRVU.OB	\$ 6	\$ 6	0.5	0.5	\$ 0	\$ 11	-\$0.02	n/a	\$ 0.3	20.7
Tarantella, Inc.	TTLA	\$ 17	\$ 11	0.8	0.5	\$ 6	\$ 20	-\$0.23	n/a	\$ 0.4	40.6
Descartes Systems Group	DSGX	\$ 159	\$ 40	2.2	0.6	\$ 119	\$ 73	-\$1.03	n/a	\$ 3.0	52.2
Advanced Micro Dev	AMD	\$ 3,320	\$ 2,040	0.9	0.6	\$ 1,280	\$ 3,610	-\$0.56	n/a	\$ 9.7	341.5
Interwoven	IWOV	\$ 323	\$ 104	1.8	0.6	\$ 219	\$ 175	-\$1.20	n/a	\$ 3.1	106.0
Hyperion Solutions Corp.	HYSL	\$ 607	\$ 295	1.2	0.6	\$ 313	\$ 493	-\$0.60	n/a	\$ 18.2	33.3
Hewlett Packard	HWP	\$ 33,900	\$ 26,760	0.8	0.6	\$ 7,140	\$ 44,200	\$0.36	48.4	\$ 17.4	1940.0
Digital Think	DTHK	\$ 57	\$ 26	1.3	0.6	\$ 31	\$ 43	-\$1.59	n/a	\$ 1.4	41.0
CNET	CNET	\$ 276	\$ 162	1.0	0.6	\$ 115	\$ 266	-\$12.35	n/a	\$ 2.0	138.8
Roxio, Inc.	ROXI	\$ 140	\$ 88	1.0	0.6	\$ 52	\$ 143	\$0.13	55.4	\$ 7.2	19.5
Liberate Technologies	LBRT	\$ 282	\$ 49	3.7	0.6	\$ 233	\$ 77	-\$3.19	n/a	\$ 2.6	106.8
Merant	MRNT	\$ 200	\$ 82	1.6	0.7	\$ 118	\$ 125	-\$2.00	n/a	\$ 7.8	25.7
Prophet 21	PXXI	\$ 46	\$ 29	1.1	0.7	\$ 17	\$ 43	\$0.23	52.1	\$ 12.0	3.8
Cover-All Technologies	COVR.OB	\$ 4	\$ 4	0.7	0.7	\$ 0	\$ 6	-\$0.04	n/a	\$ 0.3	15.3
Cognicase	COGI	\$ 257	\$ 207	0.9	0.7	\$ 50	\$ 296	-\$0.22	n/a	\$ 4.3	60.4
Computer Sciences	CSC	\$ 8,200	\$ 8,051	0.7	0.7	\$ 149	\$ 11,400	\$2.00	23.9	\$ 47.8	171.5
Pivotal Corporation	PVTL	\$ 93	\$ 51	1.3	0.7	\$ 42	\$ 72	-\$4.41	n/a	\$ 3.9	24.1
Exelon Corp	EXLN	\$ 52	\$ 34	1.2	0.8	\$ 18	\$ 45	-\$1.67	n/a	\$ 0.9	58.8
Lawson Software	LWSN	\$ 544	\$ 328	1.3	0.8	\$ 216	\$ 428	-\$0.23	n/a	\$ 5.8	94.2
RSA Security Inc	RSAS	\$ 272	\$ 203	1.0	0.8	\$ 70	\$ 262	-\$0.48	n/a	\$ 4.8	56.6
Bottomline Tech.	EPAY	\$ 89	\$ 59	1.2	0.8	\$ 30	\$ 76	-\$2.77	n/a	\$ 5.6	15.7
Electronic Data Systems	EDS	\$ 17,800	\$ 17,320	0.8	0.8	\$ 480	\$ 21,900	\$2.60	14.3	\$ 37.2	479.0
Legato Systems	LGTO	\$ 327	\$ 192	1.4	0.8	\$ 135	\$ 237	-\$1.31	n/a	\$ 3.6	90.9
Click2Learn	CLKS	\$ 41	\$ 35	1.0	0.8	\$ 7	\$ 42	-\$0.96	n/a	\$ 1.7	24.3
Sybase, Inc.	SY	\$ 1,050	\$ 767	1.2	0.8	\$ 284	\$ 907	-\$0.28	n/a	\$ 10.6	99.2
Research in Motion	RIMM	\$ 894	\$ 249	3.0	0.8	\$ 645	\$ 294	-\$0.37	n/a	\$ 11.4	78.5
ServiceWare Technologies	SVCW	\$ 13	\$ 11	1.1	0.9	\$ 2	\$ 12	-\$0.83	n/a	\$ 0.5	23.9

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Pervasive Software	PVSW	\$ 66	\$ 34	1.7	0.9	\$ 32	\$ 38	\$0.13	30.2	\$ 3.9	16.8
Parametric Technology	PMTC	\$ 933	\$ 751	1.1	0.9	\$ 183	\$ 837	-\$0.17	n/a	\$ 3.6	260.8
Rational Software Corp.	RATL	\$ 1,600	\$ 640	2.3	0.9	\$ 960	\$ 690	-\$0.39	n/a	\$ 8.2	194.6
Wind River Systems, Inc.	WIND	\$ 396	\$ 286	1.3	0.9	\$ 110	\$ 307	-\$4.75	n/a	\$ 5.0	79.0
Timberline Software	TMBS	\$ 64	\$ 54	1.1	0.9	\$ 10	\$ 58	\$0.12	45.3	\$ 5.4	11.7
Motorola Inc	MOT	\$ 33,100	\$ 27,100	1.2	1.0	\$ 6,000	\$ 28,300	-\$1.73	n/a	\$ 14.6	2270.0
FileNET Corporation	FILE	\$ 516	\$ 333	1.5	1.0	\$ 184	\$ 334	-\$0.28	n/a	\$ 14.5	35.6
MapInfo Corporation	MAPS	\$ 138	\$ 103	1.4	1.0	\$ 34	\$ 99	-\$0.26	n/a	\$ 9.1	15.1
Sun Micro	SUNW	\$ 16,300	\$ 13,920	1.2	1.1	\$ 2,380	\$ 13,100	-\$0.23	n/a	\$ 5.0	3250.0
Keane, Inc.	KEA	\$ 940	\$ 876	1.2	1.1	\$ 64	\$ 792	\$0.20	62.0	\$ 12.4	75.8
Compuware	CPWR	\$ 2,280	\$ 1,913	1.3	1.1	\$ 367	\$ 1,730	-\$0.66	n/a	\$ 6.1	375.9
Macromedia, Inc.	MACR	\$ 525	\$ 363	1.6	1.1	\$ 162	\$ 325	-\$5.32	n/a	\$ 8.9	59.2
Mitek Systems Inc.	MITK	\$ 15	\$ 14	1.2	1.2	\$ 1	\$ 12	\$0.05	26.0	\$ 1.3	11.1
Attunity	ATTU	\$ 23	\$ 20	1.4	1.2	\$ 3	\$ 17	-\$0.91	n/a	\$ 1.6	14.6
DataMirror Corporation	DMCX	\$ 71	\$ 45	1.9	1.2	\$ 26	\$ 37	-\$0.27	n/a	\$ 6.2	11.5
Progress Software	PRGS	\$ 527	\$ 336	2.0	1.3	\$ 191	\$ 268	\$0.47	31.4	\$ 14.8	35.7
Avant!	AVNT	\$ 712	\$ 524	1.7	1.3	\$ 189	\$ 413	-\$4.31	n/a	\$ 18.4	38.8
Verisign	VRSN	\$ 1,700	\$ 1,394	1.5	1.3	\$ 306	\$ 1,100	-\$59.48	n/a	\$ 7.2	236.4
CrossWorlds Software	CWLD	\$ 125	\$ 103	1.6	1.3	\$ 22	\$ 81	-\$0.49	n/a	\$ 4.6	27.0
JD Edwards	JDEC	\$ 1,440	\$ 1,152	1.7	1.3	\$ 288	\$ 858	-\$1.50	n/a	\$ 12.2	118.8
Lsi Logic	LSI	\$ 3,240	\$ 2,273	1.9	1.4	\$ 967	\$ 1,680	-\$3.15	n/a	\$ 8.8	369.9
Autodesk Inc	ADSK	\$ 1,520	\$ 1,262	1.6	1.4	\$ 258	\$ 931	\$0.70	18.9	\$ 13.3	114.7
Hummingbird Ltd.	HUMC	\$ 359	\$ 256	1.9	1.4	\$ 103	\$ 187	\$0.13	150.7	\$ 19.6	18.3
Peoplesoft	PSFT	\$ 4,620	\$ 2,840	2.3	1.4	\$ 1,780	\$ 2,040	\$0.62	24.0	\$ 14.9	310.5
Netegrity, Inc.	NETE	\$ 210	\$ 115	2.5	1.4	\$ 95	\$ 82	-\$0.14	n/a	\$ 6.2	34.0
IBM	IBM	\$ 123,300	\$ 119,330	1.5	1.4	\$ 3,970	\$ 83,400	\$4.05	17.8	\$ 72.0	1710.0
Tektronix Inc	TEK	\$ 1,690	\$ 1,233	2.0	1.5	\$ 457	\$ 843	\$0.33	56.7	\$ 18.7	90.5
WebMethods	WEBM	\$ 502	\$ 290	2.6	1.5	\$ 212	\$ 196	-\$1.67	n/a	\$ 9.9	50.7
Citrix Systems	CTXS	\$ 1,100	\$ 915	1.8	1.5	\$ 185	\$ 601	\$0.54	11.2	\$ 6.0	182.0
Silver Stream	SSSW	\$ 203	\$ 85	3.7	1.5	\$ 118	\$ 55	-\$5.00	n/a	\$ 8.9	22.7
DoubleClick	DCLK	\$ 1,010	\$ 593	2.7	1.6	\$ 417	\$ 374	-\$1.62	n/a	\$ 7.4	136.1
Amazon	AMZN	\$ 6,090	\$ 5,345	1.9	1.6	\$ 745	\$ 3,270	-\$0.98	n/a	\$ 16.3	375.1
Lexmark Intl Inc A	LXK	\$ 7,060	\$ 6,945	1.7	1.7	\$ 115	\$ 4,200	\$1.98	27.5	\$ 54.4	129.7
America Online	AOL	\$ 65,500	\$ 64,643	1.7	1.7	\$ 857	\$ 38,900	-\$0.80	n/a	\$ 14.7	4450.0
RealNetworks, Inc.	RNWK	\$ 647	\$ 310	3.5	1.7	\$ 337	\$ 186	-\$0.31	n/a	\$ 4.1	159.0
Onyx Software Corporation	ONXS	\$ 170	\$ 142	2.1	1.7	\$ 28	\$ 83	-\$2.08	n/a	\$ 3.4	50.4
Tibco Software, Inc.	TIBX	\$ 1,150	\$ 505	3.9	1.7	\$ 645	\$ 292	-\$0.24	n/a	\$ 5.6	207.7
DocuCorp	DOCC	\$ 138	\$ 125	1.9	1.8	\$ 13	\$ 71	\$0.35	29.3	\$ 10.3	13.4

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Phoenix	PTEC	\$ 260	\$ 207	2.2	1.8	\$ 54	\$ 117	-\$0.93	n/a	\$ 10.0	26.0
Saba Software	SABA	\$ 123	\$ 101	2.2	1.8	\$ 22	\$ 55	-\$0.55	n/a	\$ 2.6	48.2
Borland	BORL	\$ 726	\$ 430	3.2	1.9	\$ 296	\$ 227	\$0.29	35.5	\$ 10.3	70.5
Open Text Corporation	OTEX	\$ 395	\$ 289	2.6	1.9	\$ 106	\$ 152	\$0.59	33.2	\$ 19.6	20.1
Look Smart	LOOK	\$ 193	\$ 147	2.5	1.9	\$ 46	\$ 77	-\$0.43	n/a	\$ 2.0	98.6
Actuate Corporation	ACTU	\$ 272	\$ 230	2.3	1.9	\$ 43	\$ 118	-\$0.14	n/a	\$ 4.5	60.5
Documentum	DCTM	\$ 475	\$ 378	2.5	2.0	\$ 96	\$ 191	-\$0.66	n/a	\$ 12.0	39.5
Novadigm	NVDM	\$ 151	\$ 125	2.4	2.0	\$ 26	\$ 63	-\$0.32	n/a	\$ 7.3	20.8
Informatica Corporation	INFA	\$ 562	\$ 390	2.9	2.0	\$ 172	\$ 191	-\$0.56	n/a	\$ 7.1	79.3
Dell Computer Corp	DELL	\$ 67,800	\$ 63,840	2.2	2.0	\$ 3,960	\$ 31,200	\$0.46	56.8	\$ 26.1	2590.0
Network Associates, Inc.	NET	\$ 2,830	\$ 1,965	3.1	2.2	\$ 865	\$ 899	-\$0.30	n/a	\$ 19.3	146.8
Symantec Corporation	SYMC	\$ 3,750	\$ 2,370	3.5	2.2	\$ 1,380	\$ 1,070	-\$0.19	n/a	\$ 32.9	114.2
Talarian Corporation	TALR	\$ 89	\$ 38	5.5	2.4	\$ 51	\$ 16	-\$1.09	n/a	\$ 4.6	19.3
Checkfree Corp	CKFR	\$ 1,380	\$ 1,164	2.8	2.4	\$ 216	\$ 484	-\$5.38	n/a	\$ 15.6	88.1
Datakey, Inc.	DKEY	\$ 26	\$ 22	2.9	2.4	\$ 4	\$ 9	-\$0.17	n/a	\$ 2.6	10.1
Siebel Systems	SEBL	\$ 6,730	\$ 4,840	3.5	2.5	\$ 1,890	\$ 1,930	\$0.46	30.9	\$ 14.2	473.6
Ariba	ARBA	\$ 843	\$ 679	3.2	2.5	\$ 164	\$ 267	-\$3.21	n/a	\$ 3.2	264.2
Embarcadero Technologies	EMBT	\$ 168	\$ 129	3.3	2.6	\$ 39	\$ 50	-\$0.07	n/a	\$ 6.2	27.2
Verity	VRTY	\$ 396	\$ 242	4.2	2.6	\$ 154	\$ 94	\$0.03	369.7	\$ 11.1	35.7
BMC Software, Inc.	BMC	\$ 4,000	\$ 3,454	3.1	2.7	\$ 546	\$ 1,290	-\$0.75	n/a	\$ 16.6	241.2
Computer Associates	CA	\$ 9,190	\$ 8,010	3.1	2.7	\$ 1,180	\$ 2,960	-\$1.91	n/a	\$ 15.9	578.5
DST Systems	DST	\$ 5,470	\$ 5,342	2.9	2.8	\$ 128	\$ 1,910	\$1.87	24.4	\$ 45.7	119.7
ANSYS	ANSS	\$ 296	\$ 246	3.4	2.8	\$ 50	\$ 88	\$0.98	20.5	\$ 20.1	14.7
BEA Systems	BEAS	\$ 3,820	\$ 2,740	4.0	2.9	\$ 1,080	\$ 944	-\$0.14	n/a	\$ 9.4	405.9
Rambus Inc	RMBS	\$ 408	\$ 310	4.1	3.1	\$ 99	\$ 100	\$0.22	18.6	\$ 4.1	99.8
Precise Software	PRSE	\$ 274	\$ 193	4.5	3.2	\$ 81	\$ 61	\$0.05	191.0	\$ 9.6	28.7
Cognos	COGN	\$ 1,950	\$ 1,612	3.9	3.2	\$ 338	\$ 503	\$0.44	50.4	\$ 22.2	87.9
Overture	OVER	\$ 1,460	\$ 1,274	3.9	3.4	\$ 186	\$ 379	\$0.93	26.9	\$ 25.0	58.4
Digital River, Inc.	DRIV	\$ 246	\$ 215	3.9	3.4	\$ 31	\$ 63	-\$0.66	n/a	\$ 9.2	26.8
Fiserv Inc	FISV	\$ 7,020	\$ 6,881	3.5	3.5	\$ 139	\$ 1,990	\$1.16	31.6	\$ 36.7	191.2
Business Objects Ads	BOBJ	\$ 1,770	\$ 1,509	4.2	3.5	\$ 261	\$ 425	\$0.70	40.1	\$ 28.1	63.0
Jack Henry	JKHY	\$ 1,510	\$ 1,461	4.1	3.9	\$ 49	\$ 370	\$0.61	27.4	\$ 16.7	90.4
SAP AG	SAP	\$ 30,600	\$ 29,490	4.1	4.0	\$ 1,110	\$ 7,400	\$0.43	56.5	\$ 24.3	1260.0
Mercury Interactive Corp.	MERQ	\$ 1,920	\$ 1,492	5.3	4.1	\$ 428	\$ 361	\$0.15	153.1	\$ 23.0	83.7
Veritas Software Corp.	VRTS	\$ 8,100	\$ 6,190	5.5	4.2	\$ 1,910	\$ 1,480	-\$1.13	n/a	\$ 19.8	409.2
Intel Corp	INTC	\$ 122,200	\$ 111,400	4.6	4.2	\$ 10,800	\$ 26,600	\$0.25	73.1	\$ 18.3	6690.0
Pmc-sierra Inc	PMCS	\$ 1,540	\$ 1,132	6.1	4.5	\$ 408	\$ 254	-\$3.50	n/a	\$ 9.3	166.3
CheckPoint Software	CHKP	\$ 3,290	\$ 2,180	6.8	4.5	\$ 1,110	\$ 487	\$1.16	11.7	\$ 13.6	242.8

## All "tracked" companies.

Company	Symbol	MC (mill.)	MC-Cash (mill)	MC/Rev. (ttm)	TR	Cash (mill.)	Rev. (ttm)	EPS (ttm)	P/E	Price	Shares (mill.)
Micron Technology	MU	\$ 12,200	\$ 10,950	5.3	4.7	\$ 1,250	\$ 2,320	-\$1.50	n/a	\$ 20.2	601.5
Bisys Group	BSG	\$ 3,970	\$ 3,888	4.8	4.7	\$ 82	\$ 822	\$0.87	38.3	\$ 33.3	119.3
Oracle Corporation	ORCL	\$ 52,000	\$ 46,160	5.4	4.8	\$ 5,840	\$ 9,670	\$0.39	24.3	\$ 9.5	5490.0
Cisco	CSCO	\$ 102,100	\$ 93,130	5.5	5.1	\$ 8,970	\$ 18,400	\$0.15	93.0	\$ 14.0	7320.0
Adobe	ADBE	\$ 6,830	\$ 6,130	6.0	5.4	\$ 700	\$ 1,140	\$0.72	39.6	\$ 28.5	239.8
Intuit, Inc.	INTU	\$ 10,500	\$ 8,700	7.0	5.8	\$ 1,800	\$ 1,490	\$0.48	103.6	\$ 49.7	211.6
PayPal	PYPL	\$ 1,220	\$ 1,129	8.7	8.1	\$ 91	\$ 140	-\$1.65	n/a	\$ 20.2	60.6
Microsoft Corp	MSFT	\$ 293,100	\$ 254,400	10.6	9.2	\$ 38,700	\$ 27,700	\$1.15	47.1	\$ 54.1	5420.0
Red Hat, Inc.	RHAT	\$ 998	\$ 711	13.7	9.8	\$ 287	\$ 73	-\$0.57	n/a	\$ 5.9	169.9
Yahoo!	YHOO	\$ 8,820	\$ 8,015	12.1	11.0	\$ 805	\$ 730	-\$0.12	n/a	\$ 14.8	597.9
Infosys Technologies Ltd.	INFY	\$ 6,780	\$ 6,570	12.4	12.1	\$ 211	\$ 545	\$1.25	41.0	\$ 51.2	132.4
EBay	EBAY	\$ 17,300	\$ 16,570	20.6	19.7	\$ 730	\$ 840	\$0.41	150.3	\$ 61.6	280.2