

Tornado Report. All prices as of market close Monday, September 30, 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	\$ 59	-\$ 22	25.4	-9.36	\$ 81	\$ 2	-\$0.99	n/a	\$ 2.6	22.8
eBT International, Inc.	EBTI	\$ 5	-\$ 56	0.7	-7.64	\$ 60	\$ 7	-\$1.44	n/a	\$ 0.3	14.9
Clarus	CLRS	\$ 80	-\$ 28	6.4	-2.21	\$ 107	\$ 13	-\$6.64	n/a	\$ 5.1	15.6
BackWeb Technologies Ltd.	BWEB	\$ 9	-\$ 25	0.7	-1.91	\$ 34	\$ 13	-\$0.68	n/a	\$ 0.2	39.5
Keynote	KEYN	\$ 187	-\$ 57	5.0	-1.50	\$ 244	\$ 38	-\$0.80	n/a	\$ 6.6	28.5
AvantGo	AVGO	\$ 14	-\$ 24	0.7	-1.16	\$ 38	\$ 20	-\$1.14	n/a	\$ 0.4	35.6
Blue Martini Software	BLUE	\$ 39	-\$ 40	1.1	-1.09	\$ 79	\$ 37	-\$0.66	n/a	\$ 0.5	73.1
Pumatech	PUMA	\$ 10	-\$ 24	0.4	-1.06	\$ 34	\$ 23	-\$0.77	n/a	\$ 0.2	45.9
FirePond, Inc.	FIRE	\$ 11	-\$ 20	0.4	-0.76	\$ 31	\$ 26	-\$9.31	n/a	\$ 3.1	3.7
Vignette Corporation	VIGN	\$ 201	-\$ 154	1.0	-0.75	\$ 354	\$ 205	-\$4.80	n/a	\$ 0.8	250.4
Comdisco Inc	CDO	\$ 23	-\$ 1,687	0.0	-0.70	\$ 1,710	\$ 2,410	-\$3.39	n/a	\$ 0.2	150.6
Liberate Technologies	LBRT	\$ 168	-\$ 50	2.3	-0.69	\$ 218	\$ 73	-\$2.70	n/a	\$ 1.6	107.6
Docent	DCNT	\$ 33	-\$ 17	1.2	-0.63	\$ 50	\$ 28	-\$1.20	n/a	\$ 0.8	43.0
VA Linux	LNIX	\$ 46	-\$ 13	2.2	-0.61	\$ 58	\$ 20	-\$1.72	n/a	\$ 0.8	54.1
Corio, Inc.	CRIO	\$ 36	-\$ 29	0.7	-0.58	\$ 64	\$ 50	-\$0.82	n/a	\$ 0.6	56.5
Commerce One	CMRC	\$ 88	-\$ 101	0.4	-0.51	\$ 188	\$ 197	-\$2.05	n/a	\$ 0.3	291.6
Broadvision	BVSN	\$ 40	-\$ 72	0.3	-0.47	\$ 111	\$ 154	-\$18.66	n/a	\$ 1.2	32.2
I2	ITWO	\$ 224	-\$ 308	0.3	-0.47	\$ 532	\$ 660	-\$16.50	n/a	\$ 0.5	431.0
Inktomi Corporation	INKT	\$ 37	-\$ 53	0.3	-0.41	\$ 90	\$ 131	-\$2.92	n/a	\$ 0.3	146.4
Delano Technology	DTEC	\$ 6	-\$ 7	0.3	-0.38	\$ 13	\$ 18	-\$4.28	n/a	\$ 0.1	43.2
Akamai	AKAM	\$ 97	-\$ 54	0.6	-0.35	\$ 151	\$ 154	-\$2.04	n/a	\$ 0.8	116.4
Centra Software	CTRA	\$ 32	-\$ 10	0.9	-0.27	\$ 42	\$ 36	-\$0.67	n/a	\$ 1.2	25.6
Rational Software Corp.	RATL	\$ 835	-\$ 176	1.3	-0.26	\$ 1,010	\$ 667	-\$0.30	n/a	\$ 4.3	193.2
CMG Info	CMGI	\$ 137	-\$ 218	0.2	-0.26	\$ 355	\$ 850	-\$5.00	n/a	\$ 0.4	392.4
Pivotal Corporation	PVTL	\$ 24	-\$ 17	0.3	-0.25	\$ 41	\$ 70	-\$4.00	n/a	\$ 1.0	24.2
Descartes Systems Group	DSGX	\$ 126	-\$ 16	1.8	-0.22	\$ 142	\$ 71	-\$1.00	n/a	\$ 2.4	52.2
Nortel	NT	\$ 2,070	-\$ 2,800	0.2	-0.22	\$ 4,870	\$ 12,800	-\$2.12	n/a	\$ 0.5	3840.0
Marimba, Inc.	MRBA	\$ 34	-\$ 8	0.9	-0.21	\$ 42	\$ 38	-\$0.58	n/a	\$ 1.4	24.5
IONA Technologies PLC	IONA	\$ 67	-\$ 31	0.4	-0.20	\$ 98	\$ 152	-\$3.08	n/a	\$ 2.1	32.6
NetManage, Inc.	NETM	\$ 20	-\$ 15	0.3	-0.19	\$ 34	\$ 77	-\$0.07	n/a	\$ 0.3	62.9
Netegrity, Inc.	NETE	\$ 70	-\$ 14	1.0	-0.19	\$ 84	\$ 73	-\$0.53	n/a	\$ 2.1	34.2

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.)
Lucent	LU	\$ 2,610	-\$ 2,810	0.2	-0.18	\$ 5,420	\$ 15,200	-\$4.83	n/a	\$ 0.8	3430.0
Safeguard Scientifics	SFE	\$ 133	-\$ 289	0.1	-0.18	\$ 421	\$ 1,640	-\$1.82	n/a	\$ 1.1	119.4
Corel Corporation	CORL	\$ 66	-\$ 20	0.5	-0.16	\$ 86	\$ 125	-\$0.89	n/a	\$ 0.7	91.8
Rogue Wave Software	RWAV	\$ 20	-\$ 7	0.4	-0.15	\$ 27	\$ 48	-\$0.24	n/a	\$ 1.9	10.8
Magic Softgware Enterprise	MGIC	\$ 20	-\$ 8	0.3	-0.11	\$ 28	\$ 73	-\$1.12	n/a	\$ 0.8	26.1
Art Technology Group	ARTG	\$ 67	-\$ 11	0.6	-0.10	\$ 78	\$ 113	-\$1.54	n/a	\$ 1.0	69.9
Solectron Corp	SLR	\$ 1,740	-\$ 1,070	0.1	-0.09	\$ 2,810	\$ 12,300	-\$3.83	n/a	\$ 2.1	823.9
Selectica, Inc.	SLTC	\$ 119	-\$ 4	2.9	-0.08	\$ 122	\$ 42	-\$0.71	n/a	\$ 3.6	33.1
Silicon Graphics	SGI	\$ 164	-\$ 98	0.1	-0.07	\$ 262	\$ 1,340	-\$0.25	n/a	\$ 0.8	199.8
INSpire Insur. Solutions	NSPR	\$ 2	-\$ 3	0.0	-0.04	\$ 5	\$ 69	-\$3.58	n/a	\$ 0.1	19.0
Ask Jeeves	ASKJ	\$ 40	-\$ 2	0.6	-0.03	\$ 42	\$ 64	-\$1.18	n/a	\$ 1.0	41.3
Optio Software	OPTO	\$ 3	-\$ 1	0.1	-0.02	\$ 4	\$ 30	-\$0.45	n/a	\$ 0.2	19.1
Exelon Corp	EXLN	\$ 15	-\$ 1	0.3	-0.02	\$ 16	\$ 45	-\$1.49	n/a	\$ 0.3	59.3
Gateway Inc	GTW	\$ 962	-\$ 68	0.2	-0.01	\$ 1,030	\$ 4,540	-\$2.17	n/a	\$ 3.0	324.0
Beyond.com	BYND	\$ 3	-\$ 1	0.0	-0.01	\$ 4	\$ 91	-\$34.27	n/a	\$ 0.8	3.3
BindView	BVEW	\$ 44	-\$ 0	0.6	0.00	\$ 44	\$ 68	-\$0.68	n/a	\$ 0.8	51.8
Loudcloud	LDCL	\$ 77	\$ 0	1.2	0.00	\$ 77	\$ 62	-\$2.78	n/a	\$ 1.0	76.3
Aladdin Knowledge Systems	ALDN	\$ 14	\$ 0	0.3	0.01	\$ 14	\$ 47	-\$1.31	n/a	\$ 1.3	11.3
Sagent	SGNT	\$ 8	\$ 1	0.2	0.01	\$ 8	\$ 45	-\$0.75	n/a	\$ 0.2	46.4
Comshare	CSRE	\$ 20	\$ 1	0.3	0.02	\$ 19	\$ 59	-\$1.23	n/a	\$ 2.0	10.3
3Com	COMS	\$ 1,420	\$ 30	1.0	0.02	\$ 1,390	\$ 1,390	-\$1.13	n/a	\$ 4.0	358.5
Mobius	MOBI	\$ 37	\$ 3	0.5	0.04	\$ 34	\$ 68	-\$0.30	n/a	\$ 2.1	17.2
QAD Inc.	QADI	\$ 64	\$ 10	0.3	0.05	\$ 53	\$ 193	-\$0.29	n/a	\$ 1.9	34.5
Sapiens International	SPNS	\$ 19	\$ 4	0.3	0.06	\$ 16	\$ 66	-\$0.09	n/a	\$ 0.8	24.5
Tech Data Corp	TECD	\$ 1,490	\$ 969	0.1	0.06	\$ 521	\$ 16,300	\$2.34	11.3	\$ 26.4	56.4
Accrue Software, Inc.	ACRU	\$ 3	\$ 1	0.2	0.06	\$ 2	\$ 13	-\$0.48	n/a	\$ 0.1	30.1
Divine	DVIN	\$ 59	\$ 28	0.1	0.06	\$ 31	\$ 438	-\$38.48	n/a	\$ 2.5	23.7
Ingram Micro A	IM	\$ 2,000	\$ 1,523	0.1	0.07	\$ 477	\$ 22,900	\$0.10	133.0	\$ 13.3	150.5
Roxio, Inc.	ROXI	\$ 59	\$ 9	0.4	0.07	\$ 50	\$ 138	-\$0.07	n/a	\$ 3.0	19.5
Versant Corporation	VSNT	\$ 6	\$ 2	0.2	0.07	\$ 4	\$ 25	-\$0.48	n/a	\$ 0.5	12.4
CNET	CNET	\$ 153	\$ 19	0.6	0.07	\$ 134	\$ 253	-\$10.93	n/a	\$ 1.1	138.9
Document Sciences	DOCX	\$ 9	\$ 2	0.4	0.08	\$ 7	\$ 22	\$0.02	113.5	\$ 2.3	3.9
Caldera International Inc	CALD	\$ 28	\$ 6	0.4	0.08	\$ 22	\$ 71	-\$8.96	n/a	\$ 2.0	13.9
Interwoven	IWOV	\$ 213	\$ 14	1.4	0.09	\$ 199	\$ 153	-\$0.94	n/a	\$ 2.0	106.1
Actuate Corporation	ACTU	\$ 58	\$ 13	0.5	0.12	\$ 44	\$ 113	-\$0.12	n/a	\$ 0.9	60.7
Peerless Systems Corp.	PRLS	\$ 16	\$ 4	0.5	0.12	\$ 13	\$ 31	-\$0.38	n/a	\$ 1.1	15.3
Segue	SEGU	\$ 10	\$ 4	0.3	0.12	\$ 6	\$ 30	-\$1.07	n/a	\$ 1.1	9.6
Brio Technology, Inc.	BRIO	\$ 40	\$ 15	0.4	0.13	\$ 26	\$ 108	-\$0.55	n/a	\$ 1.1	37.1

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Novell Inc	NOVL	\$ 765	\$ 158	0.7	0.14	\$ 607	\$ 1,140	-\$0.29	n/a	\$ 2.1	364.4
Mercator	MCTR	\$ 45	\$ 18	0.4	0.14	\$ 27	\$ 122	-\$1.08	n/a	\$ 1.3	34.5
Starbase Corporation	SBAS	\$ 8	\$ 6	0.2	0.15	\$ 2	\$ 42	-\$13.23	n/a	\$ 1.0	8.7
Apple Computer Inc	AAPL	\$ 5,200	\$ 890	0.9	0.15	\$ 4,310	\$ 5,750	\$0.49	29.6	\$ 14.5	358.9
Frontstep	FSTP	\$ 20	\$ 17	0.2	0.18	\$ 3	\$ 93	-\$0.45	n/a	\$ 2.7	7.6
Applix	APLX	\$ 15	\$ 7	0.4	0.20	\$ 8	\$ 37	-\$0.47	n/a	\$ 1.2	12.4
Astea International, Inc.	ATEA	\$ 9	\$ 3	0.6	0.20	\$ 6	\$ 15	-\$0.23	n/a	\$ 0.6	14.6
Stellant	STEL	\$ 84	\$ 17	1.0	0.21	\$ 67	\$ 81	-\$1.45	n/a	\$ 3.8	22.4
Cognicase	COGI	\$ 101	\$ 64	0.3	0.21	\$ 37	\$ 303	-\$0.07	n/a	\$ 1.6	62.8
Amdocs	DOX	\$ 1,380	\$ 370	0.8	0.22	\$ 1,010	\$ 1,670	\$0.10	64.0	\$ 6.4	215.5
Advanced Micro Dev	AMD	\$ 1,830	\$ 730	0.6	0.23	\$ 1,100	\$ 3,220	-\$1.16	n/a	\$ 5.3	342.3
Walker Interactive System	WALK.OB	\$ 17	\$ 12	0.3	0.23	\$ 6	\$ 50	\$0.11	10.3	\$ 1.1	15.2
Earthlink	ELNK	\$ 803	\$ 308	0.6	0.23	\$ 495	\$ 1,320	-\$1.85	n/a	\$ 5.3	150.4
WebMethods	WEBM	\$ 246	\$ 44	1.3	0.23	\$ 202	\$ 188	-\$1.33	n/a	\$ 4.8	50.9
Tarantella, Inc.	TTLA	\$ 11	\$ 4	0.7	0.24	\$ 7	\$ 15	-\$1.15	n/a	\$ 0.3	40.6
Novadigm	NVDM	\$ 40	\$ 14	0.7	0.24	\$ 26	\$ 59	-\$0.57	n/a	\$ 2.0	20.0
Ross Systems, Inc.	ROSS	\$ 17	\$ 11	0.4	0.25	\$ 5	\$ 45	-\$3.68	n/a	\$ 6.4	2.6
MapInfo Corporation	MAPS	\$ 60	\$ 24	0.6	0.25	\$ 36	\$ 95	-\$0.30	n/a	\$ 4.0	15.1
Click2Learn	CLKS	\$ 15	\$ 10	0.4	0.27	\$ 5	\$ 38	-\$0.96	n/a	\$ 0.6	24.3
Electronic Data Systems	EDS	\$ 6,710	\$ 6,136	0.3	0.28	\$ 574	\$ 22,300	\$2.62	5.3	\$ 14.0	480.3
Lawson Software	LWSN	\$ 347	\$ 131	0.8	0.32	\$ 216	\$ 415	-\$0.26	n/a	\$ 3.5	98.1
Mobile Data Solutions	MDSI	\$ 25	\$ 15	0.6	0.34	\$ 11	\$ 43	-\$0.42	n/a	\$ 3.1	8.2
Parametric Technology	PMTC	\$ 470	\$ 279	0.6	0.35	\$ 191	\$ 789	-\$0.26	n/a	\$ 1.8	261.2
Unisys Corp	UIS	\$ 2,280	\$ 2,079	0.4	0.37	\$ 201	\$ 5,660	-\$0.23	n/a	\$ 7.0	325.1
Pervasive Software	PVSW	\$ 48	\$ 14	1.3	0.37	\$ 34	\$ 37	\$0.34	8.5	\$ 2.9	16.7
MicroStrategy	MSTR	\$ 97	\$ 60	0.6	0.38	\$ 37	\$ 156	\$3.21	2.5	\$ 8.1	11.9
Computer Sciences	CSC	\$ 4,770	\$ 4,647	0.4	0.40	\$ 123	\$ 11,500	\$2.18	12.7	\$ 27.8	171.6
Research in Motion	RIMM	\$ 736	\$ 120	2.6	0.42	\$ 616	\$ 289	-\$0.55	n/a	\$ 9.4	78.2
Siebel Systems	SEBL	\$ 2,750	\$ 740	1.6	0.42	\$ 2,010	\$ 1,770	\$0.37	15.5	\$ 5.8	477.9
Sun Micro	SUNW	\$ 8,410	\$ 5,530	0.7	0.44	\$ 2,880	\$ 12,500	-\$0.19	n/a	\$ 2.6	3250.0
NetGenesis Corp.	NTGX	\$ 40	\$ 9	2.1	0.45	\$ 31	\$ 20	-\$1.98	n/a	\$ 1.7	23.6
Compuware	CPWR	\$ 1,150	\$ 740	0.7	0.46	\$ 410	\$ 1,620	-\$0.69	n/a	\$ 3.1	375.9
Compaq Computer	CPQ	\$ 18,800	\$ 15,100	0.6	0.47	\$ 3,700	\$ 32,100	-\$0.36	n/a	\$ 11.0	1710.0
Informatica Corporation	INFA	\$ 248	\$ 91	1.3	0.47	\$ 157	\$ 192	-\$0.45	n/a	\$ 3.1	79.9
Tibco Software, Inc.	TIBX	\$ 781	\$ 137	2.8	0.49	\$ 645	\$ 280	-\$0.51	n/a	\$ 3.8	208.3
Group 1 Software, Inc.	GSOE	\$ 97	\$ 46	1.1	0.50	\$ 52	\$ 92	\$0.76	18.4	\$ 14.0	7.0
RSA Security Inc	RSAS	\$ 190	\$ 119	0.8	0.50	\$ 71	\$ 238	-\$1.14	n/a	\$ 3.4	56.6
Digital Think	DTHK	\$ 46	\$ 20	1.2	0.52	\$ 26	\$ 38	-\$1.46	n/a	\$ 1.1	41.1

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Keane, Inc.	KEA	\$ 510	\$ 441	0.6	0.54	\$ 69	\$ 821	\$0.18	37.5	\$ 6.8	75.6
Hyperion Solutions Corp.	HYSL	\$ 615	\$ 285	1.3	0.58	\$ 330	\$ 492	\$0.43	42.7	\$ 18.3	33.5
Look Smart	LOOK	\$ 95	\$ 46	1.2	0.59	\$ 49	\$ 79	-\$0.28	n/a	\$ 1.0	98.0
Bottomline Tech.	EPAY	\$ 74	\$ 44	1.0	0.59	\$ 30	\$ 74	-\$2.65	n/a	\$ 4.7	15.7
Hewlett Packard	HWP	\$ 33,900	\$ 26,760	0.8	0.61	\$ 7,140	\$ 44,200	\$0.36	48.4	\$ 17.4	1940.0
Wind River Systems, Inc.	WIND	\$ 255	\$ 178	0.9	0.61	\$ 77	\$ 291	-\$1.58	n/a	\$ 3.2	79.1
Motorola Inc	MOT	\$ 23,400	\$ 16,910	0.8	0.61	\$ 6,490	\$ 27,600	-\$2.40	n/a	\$ 10.2	2300.0
Merant	MRNT	\$ 156	\$ 76	1.3	0.62	\$ 80	\$ 123	-\$3.88	n/a	\$ 6.1	25.7
Attunity	ATTU	\$ 14	\$ 10	0.9	0.62	\$ 4	\$ 16	-\$0.69	n/a	\$ 1.0	14.8
FileNET Corporation	FILE	\$ 369	\$ 217	1.1	0.64	\$ 152	\$ 340	\$0.07	147.9	\$ 10.4	35.6
ServiceWare Technologies	SVCW	\$ 12	\$ 8	1.0	0.64	\$ 4	\$ 12	-\$0.48	n/a	\$ 0.5	24.0
Prophet 21	PXXI	\$ 46	\$ 29	1.1	0.68	\$ 17	\$ 43	\$0.23	52.2	\$ 12.0	3.8
CorVu	CRVU.OB	\$ 8	\$ 8	0.7	0.73	\$ 0	\$ 11	-\$0.02	n/a	\$ 0.4	20.7
Business Objects Ads	BOBJ	\$ 669	\$ 336	1.5	0.77	\$ 333	\$ 435	\$0.72	14.8	\$ 10.6	63.0
Mitek Systems Inc.	MITK	\$ 11	\$ 9	0.9	0.78	\$ 1	\$ 12	\$0.02	47.5	\$ 1.0	11.1
Verisign	VRSN	\$ 1,200	\$ 918	1.0	0.78	\$ 282	\$ 1,180	-\$24.30	n/a	\$ 5.1	236.7
Network Associates, Inc.	NET	\$ 1,660	\$ 732	1.8	0.78	\$ 928	\$ 939	\$0.11	96.6	\$ 10.6	155.9
Ariba	ARBA	\$ 359	\$ 191	1.5	0.79	\$ 168	\$ 241	-\$2.90	n/a	\$ 1.4	265.5
Timberline Software	TMBS	\$ 56	\$ 46	1.0	0.81	\$ 10	\$ 57	\$0.06	79.8	\$ 4.8	11.7
Lsi Logic	LSI	\$ 2,360	\$ 1,350	1.4	0.82	\$ 1,010	\$ 1,650	-\$2.41	n/a	\$ 6.4	371.8
Smartforce PLC	SMTF	\$ 269	\$ 181	1.2	0.82	\$ 89	\$ 221	-\$0.96	n/a	\$ 4.7	57.4
Hummingbird Ltd.	HUMC	\$ 266	\$ 151	1.5	0.83	\$ 114	\$ 183	-\$0.33	n/a	\$ 14.5	18.3
Cover-All Technologies	COVR.OB	\$ 6	\$ 5	0.9	0.86	\$ 0	\$ 6	-\$0.04	n/a	\$ 0.4	15.3
Doubleclick	DCLK	\$ 699	\$ 307	2.0	0.88	\$ 392	\$ 348	-\$1.30	n/a	\$ 5.1	135.9
Progress Software	PRGS	\$ 436	\$ 239	1.6	0.89	\$ 197	\$ 270	\$0.49	24.6	\$ 12.1	36.2
JD Edwards	JDEC	\$ 1,100	\$ 801	1.3	0.91	\$ 299	\$ 878	\$0.23	40.2	\$ 9.2	119.2
Onyx Software Corporation	ONXS	\$ 94	\$ 65	1.3	0.91	\$ 28	\$ 72	-\$1.83	n/a	\$ 1.9	50.6
Macromedia, Inc.	MACR	\$ 462	\$ 293	1.4	0.92	\$ 169	\$ 320	-\$3.40	n/a	\$ 7.7	59.8
Sybase, Inc.	SY	\$ 1,130	\$ 816	1.3	0.93	\$ 314	\$ 878	\$0.35	33.2	\$ 11.6	97.1
Pmc-sierra Inc	PMCS	\$ 649	\$ 225	3.0	1.05	\$ 424	\$ 215	-\$2.18	n/a	\$ 3.9	167.3
Borland	BORL	\$ 557	\$ 251	2.4	1.09	\$ 306	\$ 231	\$0.27	28.9	\$ 7.8	71.5
Peoplesoft	PSFT	\$ 3,860	\$ 2,180	1.9	1.10	\$ 1,680	\$ 1,980	\$0.58	21.3	\$ 12.4	312.2
Legato Systems	LGTO	\$ 317	\$ 261	1.3	1.11	\$ 55	\$ 236	-\$1.65	n/a	\$ 2.8	114.9
DataMirror Corporation	DMCX	\$ 65	\$ 41	1.8	1.12	\$ 25	\$ 36	-\$0.18	n/a	\$ 5.7	11.5
Phoenix	PTEC	\$ 190	\$ 132	1.6	1.13	\$ 58	\$ 117	-\$0.84	n/a	\$ 7.3	26.2
BEA Systems	BEAS	\$ 2,120	\$ 1,020	2.4	1.13	\$ 1,100	\$ 902	-\$0.14	n/a	\$ 5.2	409.6
IBM	IBM	\$ 98,800	\$ 95,230	1.2	1.18	\$ 3,570	\$ 80,900	\$3.21	18.2	\$ 58.3	1690.0
America Online	AOL	\$ 52,200	\$ 50,490	1.3	1.26	\$ 1,710	\$ 40,200	-\$0.55	n/a	\$ 11.7	4460.0

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Avant!	AVNT	\$ 712	\$ 524	1.7	1.27	\$ 189	\$ 413	-\$4.31	n/a	\$ 18.4	38.8
CrossWorlds Software	CWLD	\$ 125	\$ 103	1.6	1.28	\$ 22	\$ 81	-\$0.49	n/a	\$ 4.6	27.0
Autodesk Inc	ADSK	\$ 1,430	\$ 1,172	1.6	1.29	\$ 258	\$ 911	\$0.64	19.8	\$ 12.7	112.8
Lexmark Intl Inc A	LXK	\$ 5,930	\$ 5,793	1.4	1.35	\$ 137	\$ 4,280	\$2.00	23.5	\$ 47.0	126.1
Tektronix Inc	TEK	\$ 1,450	\$ 1,145	1.7	1.37	\$ 305	\$ 833	\$0.47	35.0	\$ 16.4	88.0
RealNetworks, Inc.	RNWK	\$ 591	\$ 256	3.3	1.41	\$ 335	\$ 182	-\$0.20	n/a	\$ 3.7	160.5
Saba Software	SABA	\$ 102	\$ 81	1.8	1.47	\$ 20	\$ 56	-\$0.35	n/a	\$ 2.1	48.5
Citrix Systems	CTXS	\$ 1,050	\$ 852	1.8	1.49	\$ 198	\$ 571	\$0.48	12.6	\$ 6.0	175.0
Embarcadero Technologies	EMBT	\$ 114	\$ 72	2.4	1.52	\$ 42	\$ 48	-\$0.10	n/a	\$ 4.2	27.2
Amazon	AMZN	\$ 6,060	\$ 5,236	1.8	1.54	\$ 824	\$ 3,410	-\$0.76	n/a	\$ 15.9	380.5
Silver Stream	SSSW	\$ 204	\$ 86	3.7	1.55	\$ 118	\$ 55	-\$5.00	n/a	\$ 9.0	22.7
Documentum	DCTM	\$ 460	\$ 309	2.3	1.56	\$ 152	\$ 198	-\$0.30	n/a	\$ 11.6	39.8
Computer Associates	CA	\$ 5,550	\$ 4,739	1.8	1.57	\$ 811	\$ 3,020	-\$1.43	n/a	\$ 9.6	577.7
Checkfree Corp	CKFR	\$ 1,010	\$ 804	2.1	1.64	\$ 206	\$ 491	-\$5.05	n/a	\$ 11.4	88.6
DST Systems	DST	\$ 3,530	\$ 3,382	1.7	1.66	\$ 148	\$ 2,040	\$1.72	17.1	\$ 29.5	119.9
Dell Computer Corp	DELL	\$ 60,900	\$ 56,860	1.9	1.77	\$ 4,040	\$ 32,100	\$0.69	34.1	\$ 23.5	2590.0
SAP AG	SAP	\$ 14,200	\$ 13,160	1.9	1.80	\$ 1,040	\$ 7,310	\$0.15	75.0	\$ 11.3	1260.0
Open Text Corporation	OTEX	\$ 388	\$ 278	2.5	1.82	\$ 110	\$ 153	\$0.79	24.7	\$ 19.5	19.9
DocuCorp	DOCC	\$ 145	\$ 133	2.0	1.83	\$ 13	\$ 73	\$0.41	26.4	\$ 10.8	13.4
BMC Software, Inc.	BMC	\$ 3,150	\$ 2,389	2.5	1.91	\$ 761	\$ 1,250	-\$0.59	n/a	\$ 13.1	241.1
Datakey, Inc.	DKEY	\$ 25	\$ 21	2.6	2.18	\$ 4	\$ 10	-\$0.12	n/a	\$ 2.5	10.1
Bisys Group	BSG	\$ 1,990	\$ 1,908	2.3	2.20	\$ 82	\$ 866	\$0.94	17.8	\$ 16.7	119.3
Cognos	COGN	\$ 1,480	\$ 1,142	2.9	2.21	\$ 338	\$ 516	\$0.51	33.0	\$ 16.8	88.0
ANSYS	ANSS	\$ 251	\$ 201	2.8	2.24	\$ 51	\$ 90	\$1.04	16.6	\$ 17.2	14.6
Verity	VRTY	\$ 350	\$ 216	3.7	2.26	\$ 134	\$ 96	\$0.14	71.1	\$ 10.0	35.2
Talarian Corporation	TALR	\$ 89	\$ 38	5.5	2.37	\$ 51	\$ 16	-\$1.09	n/a	\$ 4.6	19.3
Micron Technology	MU	\$ 7,470	\$ 6,220	2.9	2.40	\$ 1,250	\$ 2,590	-\$1.50	n/a	\$ 12.4	603.6
Precise Software	PRSE	\$ 264	\$ 162	4.0	2.43	\$ 101	\$ 67	\$0.07	130.6	\$ 9.1	28.8
Fiserv Inc	FISV	\$ 5,400	\$ 5,212	2.6	2.51	\$ 188	\$ 2,080	\$1.22	23.0	\$ 28.1	192.3
Digital River, Inc.	DRIV	\$ 206	\$ 174	3.0	2.52	\$ 32	\$ 69	-\$0.46	n/a	\$ 7.7	26.9
Overture	OVER	\$ 1,380	\$ 1,204	2.9	2.57	\$ 176	\$ 469	\$1.28	18.4	\$ 23.6	58.5
Jack Henry	JKHY	\$ 1,090	\$ 1,071	2.7	2.70	\$ 19	\$ 397	\$0.62	20.0	\$ 12.4	87.9
Veritas Software Corp.	VRTS	\$ 6,040	\$ 4,000	4.2	2.76	\$ 2,040	\$ 1,450	-\$0.74	n/a	\$ 14.7	410.5
Symantec Corporation	SYMC	\$ 4,880	\$ 3,350	4.2	2.89	\$ 1,530	\$ 1,160	\$0.31	108.6	\$ 33.7	145.1
Mercury Interactive Corp.	MERQ	\$ 1,440	\$ 1,096	4.0	3.05	\$ 344	\$ 359	\$0.28	61.3	\$ 17.2	84.1
Intel Corp	INTC	\$ 92,600	\$ 82,000	3.5	3.08	\$ 10,600	\$ 26,600	\$0.29	47.9	\$ 13.9	6670.0
Rambus Inc	RMBS	\$ 428	\$ 331	4.3	3.31	\$ 97	\$ 100	\$0.25	17.4	\$ 4.3	98.6
Cisco	CSCO	\$ 76,400	\$ 63,700	4.0	3.37	\$ 12,700	\$ 18,900	\$0.25	41.9	\$ 10.5	7290.0

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.)
Adobe	ADBE	\$ 4,580	\$ 3,944	4.1	3.49	\$ 636	\$ 1,130	\$0.76	25.1	\$ 19.1	240.0
Oracle Corporation	ORCL	\$ 42,100	\$ 35,680	4.5	3.78	\$ 6,420	\$ 9,440	\$0.37	21.2	\$ 7.9	5360.0
CheckPoint Software	CHKP	\$ 3,340	\$ 2,160	7.4	4.76	\$ 1,180	\$ 454	\$1.08	12.7	\$ 13.7	242.8
Intuit, Inc.	INTU	\$ 9,520	\$ 8,250	6.3	5.50	\$ 1,270	\$ 1,500	\$0.48	94.9	\$ 45.5	209.2
Yahoo!	YHOO	\$ 5,750	\$ 4,920	7.4	6.36	\$ 830	\$ 774	-\$0.01	n/a	\$ 9.6	600.6