

Your performance WILL vary

Worker count = 1

5/17/2013

Note: High IO rates/transfers at 100% seq, 100% read may be locality of reference of drive level cache

Seagate Barracuda 500GB 7.2K 3.5" SATA HDD RAW (Non-filessystem)

Test / Step information section					Reads			Writes			Totals (R+W)		Overall Averages (R+W)		
IO Size for test	Test Step	Workload Pattern of test	Total Run Time Sec (with pauses)	Work Test Time Sec	Total Reads (IOPS)	(IOPS x Iosize) Total Read KB	Avg Read Resp ms	Total Writes (IOPS)	(Iosize x Writes) Total Write KB	Avg Write Resp ms	Total IOPs (R+W)	Total KB (R+W) data transfer	Barracuda 500GB Resp (R+W) ms	Barracuda 500GB IOP Sec (R+W)	Barracuda 500GB Bandwidth KB Sec (R+W)
4KB	1	100% Seq 100% Read	480	300	6,223,808	24,895,232.0	0.1	-	-	-	6,223,808	24,895,232.0	0.1	20,746	82,984
4KB	2	60% Seq 100% Read	480	300	59,873	239,492.0	5.0	-	-	-	59,873	239,492.0	5.0	199	798
4KB	3	30% Seq 100% Read	480	300	34,846	139,384.0	8.6	-	-	-	34,846	139,384.0	8.6	116	464
4KB	4	0% Seq 100% Read	480	300	24,723	98,892.0	12.1	-	-	-	24,723	98,892.0	12.1	82	329
4KB	5	100% Seq 60% Read	480	300	51,798	207,192.0	0.0	34,871	139,484.0	8.6	86,669	346,676.0	3.5	288	1,155
4KB	6	60% Seq 60% Read	480	300	21,108	84,432.0	4.8	13,919	55,676.0	14.2	35,027	140,108.0	8.6	116	467
4KB	7	30% Seq 60% Read	480	300	15,751	63,004.0	8.6	10,498	41,992.0	15.7	26,249	104,996.0	11.4	87	349
4KB	8	0% Seq 60% Read	480	300	13,461	53,844.0	12.1	8,769	35,076.0	15.6	22,230	88,920.0	13.5	74	296
4KB	9	100% Seq 30% Read	480	300	15,159	60,636.0	0.0	35,303	141,212.0	8.5	50,462	201,848.0	5.9	168	672
4KB	10	60% Seq 30% Read	480	300	8,459	33,836.0	4.7	19,703	78,812.0	13.2	28,162	112,648.0	10.7	93	375
4KB	11	30% Seq 30% Read	480	300	6,847	27,388.0	8.3	16,543	66,172.0	14.7	23,390	93,560.0	12.8	77	311
4KB	12	0% Seq 30% Read	480	300	6,093	24,372.0	12.0	14,587	58,348.0	15.6	20,680	82,720.0	14.5	68	275
4KB	13	100% Seq 0% Read	480	300	-	-	-	35,546	142,184.0	8.4	35,546	142,184.0	8.4	118	473
4KB	14	60% Seq 0% Read	480	300	-	-	-	23,844	95,376.0	12.6	23,844	95,376.0	12.6	79	317
4KB	15	30% Seq 0% Read	480	300	-	-	-	21,234	84,936.0	14.1	21,234	84,936.0	14.1	70	283
4KB	16	0% Seq 0% Read	480	300	-	-	-	19,878	79,512.0	15.1	19,878	79,512.0	15.1	66	265

Your performance WILL vary

Worker count = 1

5/17/2013

Note: High IO rates/transfers at 100% seq, 100% read may be locality of reference of drive level cache

Seagate Barracuda 500GB 7.2K 3.5" SATA HDD RAW (Non-filessystem)

Test / Step information section					Reads			Writes			Totals (R+W)		Overall Averages (R+W)		
IO Size for test	Test Step	Workload Pattern of test	Total Run Time Sec (with pauses)	Work Test Time Sec	Total Reads (IOPS)	(IOPS x Iosize) Total Read KB	Avg Read Resp ms	Total Writes (IOPS)	(Iosize x Writes) Total Write KB	Avg Write Resp ms	Total IOPs (R+W)	Total KB (R+W) data transfer	Barracuda 500GB Resp (R+W) ms	Barracuda 500GB IOP Sec (R+W)	Barracuda 500GB Bandwidth KB Sec (R+W)
8KB	18	100% Seq 100% Read	480	300	3,083,776	24,670,208.0	0.1	-	-	-	3,083,776	24,670,208.0	0.1	10,279	82,234
8KB	19	60% Seq 100% Read	480	300	58,839	470,712.0	5.1	-	-	-	58,839	470,712.0	5.1	196	1,569
8KB	20	30% Seq 100% Read	480	300	34,252	274,016.0	8.8	-	-	-	34,252	274,016.0	8.8	114	913
8KB	21	0% Seq 100% Read	480	300	24,578	196,624.0	12.2	-	-	-	24,578	196,624.0	12.2	81	655
8KB	22	100% Seq 60% Read	480	300	50,869	406,952.0	0.0	33,995	271,960.0	8.8	84,864	678,912.0	3.5	282	2,263
8KB	23	60% Seq 60% Read	480	300	20,554	164,432.0	4.9	13,693	109,544.0	14.5	34,247	273,976.0	8.8	114	913
8KB	24	30% Seq 60% Read	480	300	15,752	126,016.0	8.6	10,493	83,944.0	15.7	26,245	209,960.0	11.4	87	699
8KB	25	0% Seq 60% Read	480	300	13,177	105,416.0	12.2	8,735	69,880.0	15.9	21,912	175,296.0	13.7	73	584
8KB	26	100% Seq 30% Read	480	300	14,981	119,848.0	0.0	34,939	279,512.0	8.6	49,920	399,360.0	6.0	166	1,331
8KB	27	60% Seq 30% Read	480	300	8,461	67,688.0	4.8	19,944	159,552.0	13.0	28,405	227,240.0	10.6	94	757
8KB	28	30% Seq 30% Read	480	300	6,866	54,928.0	8.5	15,792	126,336.0	15.3	22,658	181,264.0	13.2	75	604
8KB	29	0% Seq 30% Read	480	300	6,192	49,536.0	12.2	14,274	114,192.0	15.7	20,466	163,728.0	14.7	68	545
8KB	30	100% Seq 0% Read	480	300	-	-	-	35,338	282,704.0	8.5	35,338	282,704.0	8.5	117	942
8KB	31	60% Seq 0% Read	480	300	-	-	-	24,012	192,096.0	12.5	24,012	192,096.0	12.5	80	640
8KB	32	30% Seq 0% Read	480	300	-	-	-	20,670	165,360.0	14.5	20,670	165,360.0	14.5	68	551
8KB	33	0% Seq 0% Read	480	300	-	-	-	19,800	158,400.0	15.2	19,800	158,400.0	15.2	66	528

Your performance WILL vary

Worker count = 1

5/17/2013

Note: High IO rates/transfers at 100% seq, 100% read may be locality of reference of drive level cache

Seagate Barracuda 500GB 7.2K 3.5" SATA HDD RAW (Non-filessystem)

Test / Step information section					Reads			Writes			Totals (R+W)		Overall Averages (R+W)		
IO Size for test	Test Step	Workload Pattern of test	Total Run Time Sec (with pauses)	Work Test Time Sec	Total Reads (IOPS)	(IOPS x Iosize) Total Read KB	Avg Read Resp ms	Total Writes (IOPS)	(Iosize x Writes) Total Write KB	Avg Write Resp ms	Total IOPs (R+W)	Total KB (R+W) data transfer	Barracuda 500GB Resp (R+W) ms	Barracuda 500GB IOP Sec (R+W)	Barracuda 500GB Bandwidth KB Sec (R+W)
16KB	35	100% Seq 100% Read	480	300	1,593,060	25,488,960.0	0.2	-	-	-	1,593,060	25,488,960.0	0.2	5,310	84,963
16KB	36	60% Seq 100% Read	480	300	56,537	904,592.0	5.3	-	-	-	56,537	904,592.0	5.3	188	3,015
16KB	37	30% Seq 100% Read	480	300	33,818	541,088.0	8.9	-	-	-	33,818	541,088.0	8.9	112	1,803
16KB	38	0% Seq 100% Read	480	300	24,170	386,720.0	12.4	-	-	-	24,170	386,720.0	12.4	80	1,289
16KB	39	100% Seq 60% Read	480	300	48,253	772,048.0	0.0	32,385	518,160.0	9.2	80,638	1,290,208.0	3.7	268	4,300
16KB	40	60% Seq 60% Read	480	300	20,506	328,096.0	4.9	13,720	219,520.0	14.5	34,226	547,616.0	8.8	114	1,825
16KB	41	30% Seq 60% Read	480	300	14,685	234,960.0	8.9	9,922	158,752.0	17.0	24,607	393,712.0	12.2	82	1,312
16KB	42	0% Seq 60% Read	480	300	12,987	207,792.0	12.4	8,639	138,224.0	16.1	21,626	346,016.0	13.9	72	1,153
16KB	43	100% Seq 30% Read	480	300	14,516	232,256.0	0.0	34,241	547,856.0	8.8	48,757	780,112.0	6.2	162	2,600
16KB	44	60% Seq 30% Read	480	300	8,194	131,104.0	4.9	19,180	306,880.0	13.5	27,374	437,984.0	11.0	91	1,459
16KB	45	30% Seq 30% Read	480	300	6,856	109,696.0	8.6	15,697	251,152.0	15.4	22,553	360,848.0	13.3	75	1,202
16KB	46	0% Seq 30% Read	480	300	6,239	99,824.0	12.2	14,095	225,520.0	15.9	20,334	325,344.0	14.8	67	1,084
16KB	47	100% Seq 0% Read	480	300	-	-	-	34,862	557,792.0	8.6	34,862	557,792.0	8.6	116	1,859
16KB	48	60% Seq 0% Read	480	300	-	-	-	22,718	363,488.0	13.2	22,718	363,488.0	13.2	75	1,211
16KB	49	30% Seq 0% Read	480	300	-	-	-	20,890	334,240.0	14.4	20,890	334,240.0	14.4	69	1,114
16KB	50	0% Seq 0% Read	480	300	-	-	-	19,571	313,136.0	15.3	19,571	313,136.0	15.3	65	1,043

Your performance WILL vary

Worker count = 1

5/17/2013

Note: High IO rates/transfers at 100% seq, 100% read may be locality of reference of drive level cache

Seagate Barracuda 500GB 7.2K 3.5" SATA HDD RAW (Non-filesystem)

Test / Step information section					Reads			Writes			Totals (R+W)		Overall Averages (R+W)		
IO Size for test	Test Step	Workload Pattern of test	Total Run Time Sec (with pauses)	Work Test Time Sec	Total Reads (IOPS)	(IOPS x Iosize) Total Read KB	Avg Read Resp ms	Total Writes (IOPS)	(Iosize x Writes) Total Write KB	Avg Write Resp ms	Total IOPS (R+W)	Total KB (R+W) data transfer	Barracuda 500GB Resp (R+W) ms	Barracuda 500GB IOP Sec (R+W)	Barracuda 500GB Bandwidth KB Sec (R+W)
32KB	52	100% Seq 100% Read	480	300	774,292	24,777,344.0	0.4	-	-	-	774,292	24,777,344.0	0.4	2,580	82,591
32KB	53	60% Seq 100% Read	480	300	53,913	1,725,216.0	5.6	-	-	-	53,913	1,725,216.0	5.6	179	5,750
32KB	54	30% Seq 100% Read	480	300	33,087	1,058,784.0	9.1	-	-	-	33,087	1,058,784.0	9.1	110	3,529
32KB	55	0% Seq 100% Read	480	300	23,657	757,024.0	12.7	-	-	-	23,657	757,024.0	12.7	78	2,523
32KB	56	100% Seq 60% Read	480	300	41,939	1,342,048.0	0.2	28,180	901,760.0	10.4	70,119	2,243,808.0	4.3	233	7,479
32KB	57	60% Seq 60% Read	480	300	19,550	625,600.0	5.0	13,267	424,544.0	15.2	32,817	1,050,144.0	9.1	109	3,500
32KB	58	30% Seq 60% Read	480	300	14,538	465,216.0	9.0	9,667	309,344.0	17.4	24,205	774,560.0	12.4	80	2,581
32KB	59	0% Seq 60% Read	480	300	12,743	407,776.0	12.6	8,520	272,640.0	16.4	21,263	680,416.0	14.1	70	2,268
32KB	60	100% Seq 30% Read	480	300	14,097	451,104.0	0.0	32,425	1,037,600.0	9.2	46,522	1,488,704.0	6.4	155	4,962
32KB	61	60% Seq 30% Read	480	300	7,532	241,024.0	5.2	17,760	568,320.0	14.7	25,292	809,344.0	11.9	84	2,697
32KB	62	30% Seq 30% Read	480	300	6,357	203,424.0	9.0	15,098	483,136.0	16.1	21,455	686,560.0	14.0	71	2,288
32KB	63	0% Seq 30% Read	480	300	5,922	189,504.0	12.4	13,947	446,304.0	16.2	19,869	635,808.0	15.1	66	2,119
32KB	64	100% Seq 0% Read	480	300	-	-	-	34,111	1,091,552.0	8.8	34,111	1,091,552.0	8.8	113	3,638
32KB	65	60% Seq 0% Read	480	300	-	-	-	23,118	739,776.0	13.0	23,118	739,776.0	13.0	77	2,465
32KB	66	30% Seq 0% Read	480	300	-	-	-	19,147	612,704.0	15.7	19,147	612,704.0	15.7	63	2,042
32KB	67	0% Seq 0% Read	480	300	-	-	-	19,144	612,608.0	15.7	19,144	612,608.0	15.7	63	2,042

Your performance WILL vary

Worker count = 1

5/17/2013

Note: High IO rates/transfers at 100% seq, 100% read may be locality of reference of drive level cache

Seagate Barracuda 500GB 7.2K 3.5" SATA HDD RAW (Non-filessystem)

Test / Step information section					Reads			Writes			Totals (R+W)		Overall Averages (R+W)		
IO Size for test	Test Step	Workload Pattern of test	Total Run Time Sec (with pauses)	Work Test Time Sec	Total Reads (IOPS)	(IOPS x Iosize) Total Read KB	Avg Read Resp ms	Total Writes (IOPS)	(Iosize x Writes) Total Write KB	Avg Write Resp ms	Total IOPs (R+W)	Total KB (R+W) data transfer	Barracuda 500GB Resp (R+W) ms	Barracuda 500GB IOP Sec (R+W)	Barracuda 500GB Bandwidth KB Sec (R+W)
64KB	1	100% Seq 100% Read	480	300	402,556	25,763,584.0	0.7	-	-	-	402,556	25,763,584.0	0.7	1,341	85,878
64KB	2	60% Seq 100% Read	480	300	46,649	2,985,536.0	6.4	-	-	-	46,649	2,985,536.0	6.4	155	9,951
64KB	3	30% Seq 100% Read	480	300	30,836	1,973,504.0	9.7	-	-	-	30,836	1,973,504.0	9.7	102	6,578
64KB	4	0% Seq 100% Read	480	300	22,773	1,457,472.0	13.2	-	-	-	22,773	1,457,472.0	13.2	75	4,858
64KB	5	100% Seq 60% Read	480	300	32,144	2,057,216.0	0.9	21,671	1,386,944.0	12.6	53,815	3,444,160.0	5.6	179	11,480
64KB	6	60% Seq 60% Read	480	300	17,931	1,147,584.0	5.7	12,099	774,336.0	16.4	30,030	1,921,920.0	10.0	100	6,406
64KB	7	30% Seq 60% Read	480	300	14,057	899,648.0	9.5	9,330	597,120.0	17.8	23,387	1,496,768.0	12.8	77	4,989
64KB	8	0% Seq 60% Read	480	300	12,087	773,568.0	13.0	8,321	532,544.0	17.1	20,408	1,306,112.0	14.7	68	4,353
64KB	9	100% Seq 30% Read	480	300	13,047	835,008.0	0.2	30,713	1,965,632.0	9.7	43,760	2,800,640.0	6.9	145	9,335
64KB	10	60% Seq 30% Read	480	300	7,027	449,728.0	5.7	16,072	1,028,608.0	16.2	23,099	1,478,336.0	13.0	76	4,927
64KB	11	30% Seq 30% Read	480	300	6,216	397,824.0	8.9	14,657	938,048.0	16.7	20,873	1,335,872.0	14.4	69	4,452
64KB	12	0% Seq 30% Read	480	300	5,694	364,416.0	12.9	13,376	856,064.0	16.9	19,070	1,220,480.0	15.7	63	4,068
64KB	13	100% Seq 0% Read	480	300	-	-	-	32,724	2,094,336.0	9.2	32,724	2,094,336.0	9.2	109	6,981
64KB	14	60% Seq 0% Read	480	300	-	-	-	22,359	1,430,976.0	13.4	22,359	1,430,976.0	13.4	74	4,769
64KB	15	30% Seq 0% Read	480	300	-	-	-	18,081	1,157,184.0	16.6	18,081	1,157,184.0	16.6	60	3,857
64KB	16	0% Seq 0% Read	480	300	-	-	-	18,208	1,165,312.0	16.5	18,208	1,165,312.0	16.5	60	3,884

Your performance WILL vary

Worker count = 1

5/17/2013

Note: High IO rates/transfers at 100% seq, 100% read may be locality of reference of drive level cache

Seagate Barracuda 500GB 7.2K 3.5" SATA HDD RAW (Non-filessystem)

Test / Step information section					Reads			Writes			Totals (R+W)		Overall Averages (R+W)		
IO Size for test	Test Step	Workload Pattern of test	Total Run Time Sec (with pauses)	Work Test Time Sec	Total Reads (IOPS)	(IOPS x Iosize) Total Read KB	Avg Read Resp ms	Total Writes (IOPS)	(Iosize x Writes) Total Write KB	Avg Write Resp ms	Total IOPs (R+W)	Total KB (R+W) data transfer	Barracuda 500GB Resp (R+W) ms	Barracuda 500GB IOP Sec (R+W)	Barracuda 500GB Bandwidth KB Sec (R+W)
128KB	18	100% Seq 100% Read	480	300	172,315	22,056,320.0	1.7	-	-	-	172,315	22,056,320.0	1.7	574	73,521
128KB	19	60% Seq 100% Read	480	300	33,744	4,319,232.0	8.9	-	-	-	33,744	4,319,232.0	8.9	112	14,397
128KB	20	30% Seq 100% Read	480	300	25,789	3,300,992.0	11.6	-	-	-	25,789	3,300,992.0	11.6	85	11,003
128KB	21	0% Seq 100% Read	480	300	20,944	2,680,832.0	14.3	-	-	-	20,944	2,680,832.0	14.3	69	8,936
128KB	22	100% Seq 60% Read	480	300	21,885	2,801,280.0	2.9	14,900	1,907,200.0	15.9	36,785	4,708,480.0	8.2	122	15,694
128KB	23	60% Seq 60% Read	480	300	14,685	1,879,680.0	7.2	9,808	1,255,424.0	19.9	24,493	3,135,104.0	12.2	81	10,450
128KB	24	30% Seq 60% Read	480	300	12,610	1,614,080.0	10.5	8,515	1,089,920.0	19.8	21,125	2,704,000.0	14.2	70	9,013
128KB	25	0% Seq 60% Read	480	300	11,002	1,408,256.0	14.1	7,229	925,312.0	20.1	18,231	2,333,568.0	16.5	60	7,778
128KB	26	100% Seq 30% Read	480	300	10,207	1,306,496.0	1.4	23,624	3,023,872.0	12.1	33,831	4,330,368.0	8.9	112	14,434
128KB	27	60% Seq 30% Read	480	300	6,512	833,536.0	6.3	15,719	2,012,032.0	16.5	22,231	2,845,568.0	13.5	74	9,485
128KB	28	30% Seq 30% Read	480	300	5,583	714,624.0	10.0	13,363	1,710,464.0	18.3	18,946	2,425,088.0	15.8	63	8,083
128KB	29	0% Seq 30% Read	480	300	5,097	652,416.0	14.0	11,951	1,529,728.0	19.1	17,048	2,182,144.0	17.6	56	7,273
128KB	30	100% Seq 0% Read	480	300	-	-	-	29,358	3,757,824.0	10.2	29,358	3,757,824.0	10.2	97	12,526
128KB	31	60% Seq 0% Read	480	300	-	-	-	19,968	2,555,904.0	15.0	19,968	2,555,904.0	15.0	66	8,519
128KB	32	30% Seq 0% Read	480	300	-	-	-	16,969	2,172,032.0	17.7	16,969	2,172,032.0	17.7	56	7,240
128KB	33	0% Seq 0% Read	480	300	-	-	-	16,580	2,122,240.0	18.1	16,580	2,122,240.0	18.1	55	7,074

Your performance WILL vary

Worker count = 1

5/17/2013

Note: High IO rates/transfers at 100% seq, 100% read may be locality of reference of drive level cache

Seagate Barracuda 500GB 7.2K 3.5" SATA HDD RAW (Non-filessystem)

Test / Step information section					Reads			Writes			Totals (R+W)		Overall Averages (R+W)		
IO Size for test	Test Step	Workload Pattern of test	Total Run Time Sec (with pauses)	Work Test Time Sec	Total Reads (IOPS)	(IOPS x Iosize) Total Read KB	Avg Read Resp ms	Total Writes (IOPS)	(Iosize x Writes) Total Write KB	Avg Write Resp ms	Total IOPs (R+W)	Total KB (R+W) data transfer	Barracuda 500GB Resp (R+W) ms	Barracuda 500GB IOP Sec (R+W)	Barracuda 500GB Bandwidth KB Sec (R+W)
256KB	35	100% Seq 100% Read	480	300	106,737	27,324,672.0	2.8	-	-	-	106,737	27,324,672.0	2.8	355	91,082
256KB	36	60% Seq 100% Read	480	300	27,623	7,071,488.0	10.9	-	-	-	27,623	7,071,488.0	10.9	92	23,571
256KB	37	30% Seq 100% Read	480	300	20,869	5,342,464.0	14.4	-	-	-	20,869	5,342,464.0	14.4	69	17,808
256KB	38	0% Seq 100% Read	480	300	17,787	4,553,472.0	16.9	-	-	-	17,787	4,553,472.0	16.9	59	15,178
256KB	39	100% Seq 60% Read	480	300	16,550	4,236,800.0	5.4	11,183	2,862,848.0	18.8	27,733	7,099,648.0	10.8	92	23,665
256KB	40	60% Seq 60% Read	480	300	11,993	3,070,208.0	9.9	8,084	2,069,504.0	22.4	20,077	5,139,712.0	14.9	66	17,132
256KB	41	30% Seq 60% Read	480	300	10,416	2,666,496.0	13.2	6,992	1,789,952.0	23.2	17,408	4,456,448.0	17.2	58	14,854
256KB	42	0% Seq 60% Read	480	300	9,233	2,363,648.0	16.4	6,203	1,587,968.0	24.0	15,436	3,951,616.0	19.4	51	13,172
256KB	43	100% Seq 30% Read	480	300	8,381	2,145,536.0	4.3	19,476	4,985,856.0	13.6	27,857	7,131,392.0	10.8	92	23,771
256KB	44	60% Seq 30% Read	480	300	5,235	1,340,160.0	9.4	12,101	3,097,856.0	20.7	17,336	4,438,016.0	17.3	57	14,793
256KB	45	30% Seq 30% Read	480	300	4,715	1,207,040.0	13.1	10,791	2,762,496.0	22.1	15,506	3,969,536.0	19.3	51	13,231
256KB	46	0% Seq 30% Read	480	300	4,302	1,101,312.0	15.9	10,176	2,605,056.0	22.8	14,478	3,706,368.0	20.7	48	12,354
256KB	47	100% Seq 0% Read	480	300	-	-	-	27,506	7,041,536.0	10.9	27,506	7,041,536.0	10.9	91	23,471
256KB	48	60% Seq 0% Read	480	300	-	-	-	16,781	4,295,936.0	17.9	16,781	4,295,936.0	17.9	55	14,319
256KB	49	30% Seq 0% Read	480	300	-	-	-	14,698	3,762,688.0	20.4	14,698	3,762,688.0	20.4	48	12,542
256KB	50	0% Seq 0% Read	480	300	-	-	-	13,837	3,542,272.0	21.7	13,837	3,542,272.0	21.7	46	11,807

Your performance WILL vary

Worker count = 1

5/17/2013

Note: High IO rates/transfers at 100% seq, 100% read may be locality of reference of drive level cache

Seagate Barracuda 500GB 7.2K 3.5" SATA HDD RAW (Non-filessystem)

Test / Step information section					Reads			Writes			Totals (R+W)		Overall Averages (R+W)		
IO Size for test	Test Step	Workload Pattern of test	Total Run Time Sec (with pauses)	Work Test Time Sec	Total Reads (IOPS)	(IOPS x Iosize) Total Read KB	Avg Read Resp ms	Total Writes (IOPS)	(Iosize x Writes) Total Write KB	Avg Write Resp ms	Total IOPS (R+W)	Total KB (R+W) data transfer	Barracuda 500GB Resp (R+W) ms	Barracuda 500GB IOP Sec (R+W)	Barracuda 500GB Bandwidth KB Sec (R+W)
512KB	52	100% Seq 100% Read	480	300	58,319	29,859,328.0	5.1	-	-	-	58,319	29,859,328.0	5.1	194	99,531
512KB	53	60% Seq 100% Read	480	300	21,893	11,209,216.0	13.7	-	-	-	21,893	11,209,216.0	13.7	72	37,364
512KB	54	30% Seq 100% Read	480	300	17,173	8,792,576.0	17.5	-	-	-	17,173	8,792,576.0	17.5	57	29,308
512KB	55	0% Seq 100% Read	480	300	15,305	7,836,160.0	19.6	-	-	-	15,305	7,836,160.0	19.6	51	26,120
512KB	56	100% Seq 60% Read	480	300	12,807	6,557,184.0	8.6	8,510	4,357,120.0	22.3	21,317	10,914,304.0	14.1	71	36,381
512KB	57	60% Seq 60% Read	480	300	8,776	4,493,312.0	14.0	5,811	2,975,232.0	30.5	14,587	7,468,544.0	20.6	48	24,895
512KB	58	30% Seq 60% Read	480	300	8,248	4,222,976.0	17.0	5,484	2,807,808.0	29.1	13,732	7,030,784.0	21.8	45	23,435
512KB	59	0% Seq 60% Read	480	300	7,651	3,917,312.0	19.2	5,107	2,614,784.0	30.0	12,758	6,532,096.0	23.5	42	21,773
512KB	60	100% Seq 30% Read	480	300	5,260	2,693,120.0	9.3	12,248	6,270,976.0	20.5	17,508	8,964,096.0	17.1	58	29,880
512KB	61	60% Seq 30% Read	480	300	3,895	1,994,240.0	13.7	9,460	4,843,520.0	26.1	13,355	6,837,760.0	22.5	44	22,792
512KB	62	30% Seq 30% Read	480	300	3,738	1,913,856.0	16.4	8,599	4,402,688.0	27.8	12,337	6,316,544.0	24.3	41	21,055
512KB	63	0% Seq 30% Read	480	300	3,429	1,755,648.0	18.9	8,091	4,142,592.0	29.1	11,520	5,898,240.0	26.0	38	19,660
512KB	64	100% Seq 0% Read	480	300	-	-	-	20,857	10,678,784.0	14.4	20,857	10,678,784.0	14.4	69	35,595
512KB	65	60% Seq 0% Read	480	300	-	-	-	13,408	6,864,896.0	22.4	13,408	6,864,896.0	22.4	44	22,882
512KB	66	30% Seq 0% Read	480	300	-	-	-	10,434	5,342,208.0	28.8	10,434	5,342,208.0	28.8	34	17,807
512KB	67	0% Seq 0% Read	480	300	-	-	-	10,635	5,445,120.0	28.2	10,635	5,445,120.0	28.2	35	18,150

Your performance WILL vary

Worker count = 1

5/17/2013

Note: High IO rates/transfers at 100% seq, 100% read may be locality of reference of drive level cache

Seagate Barracuda 500GB 7.2K 3.5" SATA HDD RAW (Non-filessystem)

Test / Step information section					Reads			Writes			Totals (R+W)		Overall Averages (R+W)		
IO Size for test	Test Step	Workload Pattern of test	Total Run Time Sec (with pauses)	Work Test Time Sec	Total Reads (IOPS)	(IOPS x Iosize) Total Read KB	Avg Read Resp ms	Total Writes (IOPS)	(Iosize x Writes) Total Write KB	Avg Write Resp ms	Total IOPs (R+W)	Total KB (R+W) data transfer	Barracuda 500GB Resp (R+W) ms	Barracuda 500GB IOP Sec (R+W)	Barracuda 500GB Bandwidth KB Sec (R+W)
1024KB	69	100% Seq 100% Read	480	300	25,360	25,968,640.0	11.8	-	-	-	25,360	25,968,640.0	11.8	84	86,562
1024KB	70	60% Seq 100% Read	480	300	16,030	16,414,720.0	18.7	-	-	-	16,030	16,414,720.0	18.7	53	54,715
1024KB	71	30% Seq 100% Read	480	300	13,068	13,381,632.0	23.0	-	-	-	13,068	13,381,632.0	23.0	43	44,605
1024KB	72	0% Seq 100% Read	480	300	11,822	12,105,728.0	25.4	-	-	-	11,822	12,105,728.0	25.4	39	40,352
1024KB	73	100% Seq 60% Read	480	300	6,550	6,707,200.0	22.3	4,406	4,511,744.0	35.0	10,956	11,218,944.0	27.4	36	37,396
1024KB	74	60% Seq 60% Read	480	300	6,776	6,938,624.0	20.5	4,469	4,576,256.0	36.1	11,245	11,514,880.0	26.7	37	38,382
1024KB	75	30% Seq 60% Read	480	300	6,125	6,272,000.0	24.5	3,995	4,090,880.0	37.5	10,120	10,362,880.0	29.6	33	34,542
1024KB	76	0% Seq 60% Read	480	300	5,993	6,136,832.0	24.9	3,921	4,015,104.0	38.4	9,914	10,151,936.0	30.3	33	33,839
1024KB	77	100% Seq 30% Read	480	300	2,722	2,787,328.0	20.1	6,448	6,602,752.0	38.1	9,170	9,390,080.0	32.7	30	31,300
1024KB	78	60% Seq 30% Read	480	300	2,910	2,979,840.0	20.6	7,051	7,220,224.0	34.0	9,961	10,200,064.0	30.1	33	34,000
1024KB	79	30% Seq 30% Read	480	300	2,758	2,824,192.0	23.3	6,471	6,626,304.0	36.4	9,229	9,450,496.0	32.5	30	31,501
1024KB	80	0% Seq 30% Read	480	300	2,656	2,719,744.0	24.4	6,283	6,433,792.0	37.4	8,939	9,153,536.0	33.6	29	30,511
1024KB	81	100% Seq 0% Read	480	300	-	-	-	10,608	10,862,592.0	28.3	10,608	10,862,592.0	28.3	35	36,208
1024KB	82	60% Seq 0% Read	480	300	-	-	-	9,228	9,449,472.0	32.5	9,228	9,449,472.0	32.5	30	31,498
1024KB	83	30% Seq 0% Read	480	300	-	-	-	8,520	8,724,480.0	35.2	8,520	8,724,480.0	35.2	28	29,081
1024KB	84	0% Seq 0% Read	480	300	-	-	-	8,202	8,398,848.0	36.6	8,202	8,398,848.0	36.6	27	27,996

Your performance WILL vary

Worker count = 1

5/17/2013

Note: High IO rates/transfers at 100% seq, 100% read may be locality of reference of drive level cache

Seagate Barracuda 500GB 7.2K 3.5" SATA HDD RAW (Non-filessystem)

Test / Step information section					Reads			Writes			Totals (R+W)		Overall Averages (R+W)		
IO Size for test	Test Step	Workload Pattern of test	Total Run Time Sec (with pauses)	Work Test Time Sec	Total Reads (IOPS)	(IOPS x Iosize) Total Read KB	Avg Read Resp ms	Total Writes (IOPS)	(Iosize x Writes) Total Write KB	Avg Write Resp ms	Total IOPs (R+W)	Total KB (R+W) data transfer	Barracuda 500GB Resp (R+W) ms	Barracuda 500GB IOP Sec (R+W)	Barracuda 500GB Bandwidth KB Sec (R+W)
2048KB	69	100% Seq 100% Read	480	300	25,360	25,968,640.0	11.8	-	-	-	25,360	25,968,640.0	11.8	84	86,562
2048KB	70	60% Seq 100% Read	480	300	16,030	16,414,720.0	18.7	-	-	-	16,030	16,414,720.0	18.7	53	54,715
2048KB	71	30% Seq 100% Read	480	300	13,068	13,381,632.0	23.0	-	-	-	13,068	13,381,632.0	23.0	43	44,605
2048KB	72	0% Seq 100% Read	480	300	11,822	12,105,728.0	25.4	-	-	-	11,822	12,105,728.0	25.4	39	40,352
2048KB	73	100% Seq 60% Read	480	300	6,550	6,707,200.0	22.3	4,406	4,511,744.0	35.0	10,956	11,218,944.0	27.4	36	37,396
2048KB	74	60% Seq 60% Read	480	300	6,776	6,938,624.0	20.5	4,469	4,576,256.0	36.1	11,245	11,514,880.0	26.7	37	38,382
2048KB	75	30% Seq 60% Read	480	300	6,125	6,272,000.0	24.5	3,995	4,090,880.0	37.5	10,120	10,362,880.0	29.6	33	34,542
2048KB	76	0% Seq 60% Read	480	300	5,993	6,136,832.0	24.9	3,921	4,015,104.0	38.4	9,914	10,151,936.0	30.3	33	33,839
2048KB	77	100% Seq 30% Read	480	300	2,722	2,787,328.0	20.1	6,448	6,602,752.0	38.1	9,170	9,390,080.0	32.7	30	31,300
2048KB	78	60% Seq 30% Read	480	300	2,910	2,979,840.0	20.6	7,051	7,220,224.0	34.0	9,961	10,200,064.0	30.1	33	34,000
2048KB	79	30% Seq 30% Read	480	300	2,758	2,824,192.0	23.3	6,471	6,626,304.0	36.4	9,229	9,450,496.0	32.5	30	31,501
2048KB	80	0% Seq 30% Read	480	300	2,656	2,719,744.0	24.4	6,283	6,433,792.0	37.4	8,939	9,153,536.0	33.6	29	30,511
2048KB	81	100% Seq 0% Read	480	300	-	-	-	10,608	10,862,592.0	28.3	10,608	10,862,592.0	28.3	35	36,208
2048KB	82	60% Seq 0% Read	480	300	-	-	-	9,228	9,449,472.0	32.5	9,228	9,449,472.0	32.5	30	31,498
2048KB	83	30% Seq 0% Read	480	300	-	-	-	8,520	8,724,480.0	35.2	8,520	8,724,480.0	35.2	28	29,081
2048KB	84	0% Seq 0% Read	480	300	-	-	-	8,202	8,398,848.0	36.6	8,202	8,398,848.0	36.6	27	27,996