

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

WD/Dell 1TB 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	WD1TB Resp (R+W) ms	WD1TB IOP Sec (R+W)	WD1TB Bandwidth KB Sec (R+W)
4KB	1	100% Seq 100% Read	480	300	8,920,800	35,683,200.0	0.0	-	-	-	8,920,800	35,683,200.0	0.0	29,736	118,944
4KB	2	60% Seq 100% Read	480	300	71,053	284,212.0	4.2	-	-	-	71,053	284,212.0	4.2	236	947
4KB	3	30% Seq 100% Read	480	300	42,244	168,976.0	7.1	-	-	-	42,244	168,976.0	7.1	140	563
4KB	4	0% Seq 100% Read	480	300	30,000	120,000.0	10.0	-	-	-	30,000	120,000.0	10.0	100	400
4KB	5	100% Seq 60% Read	480	300	52,868	211,472.0	0.0	35,234	140,936.0	8.5	88,102	352,408.0	3.4	293	1,174
4KB	6	60% Seq 60% Read	480	300	24,795	99,180.0	4.1	16,771	67,084.0	11.8	41,566	166,264.0	7.2	138	554
4KB	7	30% Seq 60% Read	480	300	19,811	79,244.0	7.1	13,174	52,696.0	12.1	32,985	131,940.0	9.1	109	439
4KB	8	0% Seq 60% Read	480	300	16,389	65,556.0	10.0	11,075	44,300.0	12.3	27,464	109,856.0	10.9	91	366
4KB	9	100% Seq 30% Read	480	300	15,215	60,860.0	0.0	35,470	141,880.0	8.5	50,685	202,740.0	5.9	168	675
4KB	10	60% Seq 30% Read	480	300	9,853	39,412.0	4.1	23,084	92,336.0	11.2	32,937	131,748.0	9.1	109	439
4KB	11	30% Seq 30% Read	480	300	8,511	34,044.0	7.2	19,527	78,108.0	12.2	28,038	112,152.0	10.7	93	373
4KB	12	0% Seq 30% Read	480	300	7,860	31,440.0	10.0	18,148	72,592.0	12.2	26,008	104,032.0	11.5	86	346
4KB	13	100% Seq 0% Read	480	300	-	-	-	35,608	142,432.0	8.4	35,608	142,432.0	8.4	118	474
4KB	14	60% Seq 0% Read	480	300	-	-	-	23,037	92,148.0	13.0	23,037	92,148.0	13.0	76	307
4KB	15	30% Seq 0% Read	480	300	-	-	-	25,811	103,244.0	11.6	25,811	103,244.0	11.6	86	344
4KB	16	0% Seq 0% Read	480	300	-	-	-	24,818	99,272.0	12.1	24,818	99,272.0	12.1	82	330

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8KB	18	100% Seq 100% Read	480	300	4,588,672	36,709,376.0	0.1	-	-	-	4,588,672	36,709,376.0	0.1	15,295	122,364
8KB	19	60% Seq 100% Read	480	300	67,979	543,832.0	4.4	-	-	-	67,979	543,832.0	4.4	226	1,812
8KB	20	30% Seq 100% Read	480	300	41,469	331,752.0	7.2	-	-	-	41,469	331,752.0	7.2	138	1,105
8KB	21	0% Seq 100% Read	480	300	29,911	239,288.0	10.0	-	-	-	29,911	239,288.0	10.0	99	797
8KB	22	100% Seq 60% Read	480	300	51,915	415,320.0	0.0	34,738	277,904.0	8.6	86,653	693,224.0	3.5	288	2,310
8KB	23	60% Seq 60% Read	480	300	24,559	196,472.0	4.1	16,617	132,936.0	11.9	41,176	329,408.0	7.3	137	1,098
8KB	24	30% Seq 60% Read	480	300	19,584	156,672.0	7.1	12,970	103,760.0	12.4	32,554	260,432.0	9.2	108	868
8KB	25	0% Seq 60% Read	480	300	16,426	131,408.0	10.1	10,942	87,536.0	12.3	27,368	218,944.0	11.0	91	729
8KB	26	100% Seq 30% Read	480	300	14,826	118,608.0	0.0	35,175	281,400.0	8.5	50,001	400,008.0	6.0	166	1,333
8KB	27	60% Seq 30% Read	480	300	10,052	80,416.0	4.1	23,005	184,040.0	11.2	33,057	264,456.0	9.1	110	881
8KB	28	30% Seq 30% Read	480	300	8,338	66,704.0	7.3	19,391	155,128.0	12.3	27,729	221,832.0	10.8	92	739
8KB	29	0% Seq 30% Read	480	300	7,809	62,472.0	10.0	18,081	144,648.0	12.3	25,890	207,120.0	11.6	86	690
8KB	30	100% Seq 0% Read	480	300	-	-	-	35,374	282,992.0	8.5	35,374	282,992.0	8.5	117	943
8KB	31	60% Seq 0% Read	480	300	-	-	-	27,952	223,616.0	10.7	27,952	223,616.0	10.7	93	745
8KB	32	30% Seq 0% Read	480	300	-	-	-	25,622	204,976.0	11.7	25,622	204,976.0	11.7	85	683
8KB	33	0% Seq 0% Read	480	300	-	-	-	24,679	197,432.0	12.2	24,679	197,432.0	12.2	82	658

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16KB	35	100% Seq 100% Read	480	300	2,297,576	36,761,216.0	0.1	-	-	-	2,297,576	36,761,216.0	0.1	7,658	122,537
16KB	36	60% Seq 100% Read	480	300	63,188	1,011,008.0	4.7	-	-	-	63,188	1,011,008.0	4.7	210	3,370
16KB	37	30% Seq 100% Read	480	300	39,005	624,080.0	7.7	-	-	-	39,005	624,080.0	7.7	130	2,080
16KB	38	0% Seq 100% Read	480	300	29,625	474,000.0	10.1	-	-	-	29,625	474,000.0	10.1	98	1,580
16KB	39	100% Seq 60% Read	480	300	50,714	811,424.0	0.0	34,084	545,344.0	8.8	84,798	1,356,768.0	3.5	282	4,522
16KB	40	60% Seq 60% Read	480	300	23,524	376,384.0	4.3	15,670	250,720.0	12.8	39,194	627,104.0	7.7	130	2,090
16KB	41	30% Seq 60% Read	480	300	19,388	310,208.0	7.2	12,785	204,560.0	12.5	32,173	514,768.0	9.3	107	1,715
16KB	42	0% Seq 60% Read	480	300	16,137	258,192.0	10.2	10,935	174,960.0	12.4	27,072	433,152.0	11.1	90	1,443
16KB	43	100% Seq 30% Read	480	300	14,730	235,680.0	0.0	34,861	557,776.0	8.6	49,591	793,456.0	6.0	165	2,644
16KB	44	60% Seq 30% Read	480	300	9,939	159,024.0	4.1	22,784	364,544.0	11.4	32,723	523,568.0	9.2	109	1,745
16KB	45	30% Seq 30% Read	480	300	8,234	131,744.0	7.3	18,957	303,312.0	12.6	27,191	435,056.0	11.0	90	1,450
16KB	46	0% Seq 30% Read	480	300	7,694	123,104.0	10.2	17,892	286,272.0	12.4	25,586	409,376.0	11.7	85	1,364
16KB	47	100% Seq 0% Read	480	300	-	-	-	35,143	562,288.0	8.5	35,143	562,288.0	8.5	117	1,874
16KB	48	60% Seq 0% Read	480	300	-	-	-	27,611	441,776.0	10.9	27,611	441,776.0	10.9	92	1,472
16KB	49	30% Seq 0% Read	480	300	-	-	-	25,370	405,920.0	11.8	25,370	405,920.0	11.8	84	1,353
16KB	50	0% Seq 0% Read	480	300	-	-	-	24,573	393,168.0	12.2	24,573	393,168.0	12.2	81	1,310

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32KB	52	100% Seq 100% Read	480	300	1,173,664	37,557,248.0	0.3	-	-	-	1,173,664	37,557,248.0	0.3	3,912	125,190
32KB	53	60% Seq 100% Read	480	300	56,222	1,799,104.0	5.3	-	-	-	56,222	1,799,104.0	5.3	187	5,997
32KB	54	30% Seq 100% Read	480	300	37,889	1,212,448.0	7.9	-	-	-	37,889	1,212,448.0	7.9	126	4,041
32KB	55	0% Seq 100% Read	480	300	29,187	933,984.0	10.3	-	-	-	29,187	933,984.0	10.3	97	3,113
32KB	56	100% Seq 60% Read	480	300	49,872	1,595,904.0	0.1	32,979	1,055,328.0	9.0	82,851	2,651,232.0	3.6	276	8,837
32KB	57	60% Seq 60% Read	480	300	23,087	738,784.0	4.4	15,534	497,088.0	12.8	38,621	1,235,872.0	7.8	128	4,119
32KB	58	30% Seq 60% Read	480	300	18,489	591,648.0	7.5	12,532	401,024.0	12.9	31,021	992,672.0	9.7	103	3,308
32KB	59	0% Seq 60% Read	480	300	15,943	510,176.0	10.3	10,786	345,152.0	12.6	26,729	855,328.0	11.2	89	2,851
32KB	60	100% Seq 30% Read	480	300	11,034	353,088.0	0.0	25,777	824,864.0	11.6	36,811	1,177,952.0	8.2	122	3,926
32KB	61	60% Seq 30% Read	480	300	9,293	297,376.0	4.1	21,894	700,608.0	11.9	31,187	997,984.0	9.6	103	3,326
32KB	62	30% Seq 30% Read	480	300	8,308	265,856.0	7.2	19,225	615,200.0	12.5	27,533	881,056.0	10.9	91	2,936
32KB	63	0% Seq 30% Read	480	300	7,650	244,800.0	10.3	17,639	564,448.0	12.5	25,289	809,248.0	11.9	84	2,697
32KB	64	100% Seq 0% Read	480	300	-	-	-	34,869	1,115,808.0	8.6	34,869	1,115,808.0	8.6	116	3,719
32KB	65	60% Seq 0% Read	480	300	-	-	-	27,756	888,192.0	10.8	27,756	888,192.0	10.8	92	2,960
32KB	66	30% Seq 0% Read	480	300	-	-	-	24,737	791,584.0	12.1	24,737	791,584.0	12.1	82	2,638
32KB	67	0% Seq 0% Read	480	300	-	-	-	24,057	769,824.0	12.5	24,057	769,824.0	12.5	80	2,566

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64KB	1	100% Seq 100% Read	480	300	576,874	36,919,936.0	0.5	-	-	-	576,874	36,919,936.0	0.5	1,922	123,066
64KB	2	60% Seq 100% Read	480	300	49,607	3,174,848.0	6.0	-	-	-	49,607	3,174,848.0	6.0	165	10,582
64KB	3	30% Seq 100% Read	480	300	34,992	2,239,488.0	8.6	-	-	-	34,992	2,239,488.0	8.6	116	7,464
64KB	4	0% Seq 100% Read	480	300	28,440	1,820,160.0	10.5	-	-	-	28,440	1,820,160.0	10.5	94	6,067
64KB	5	100% Seq 60% Read	480	300	46,408	2,970,112.0	0.2	30,527	1,953,728.0	9.6	76,935	4,923,840.0	3.9	256	16,412
64KB	6	60% Seq 60% Read	480	300	23,357	1,494,848.0	4.3	15,670	1,002,880.0	12.7	39,027	2,497,728.0	7.7	130	8,325
64KB	7	30% Seq 60% Read	480	300	17,396	1,113,344.0	7.9	11,444	732,416.0	14.2	28,840	1,845,760.0	10.4	96	6,152
64KB	8	0% Seq 60% Read	480	300	15,575	996,800.0	10.6	10,375	664,000.0	13.0	25,950	1,660,800.0	11.6	86	5,536
64KB	9	100% Seq 30% Read	480	300	14,025	897,600.0	0.1	32,679	2,091,456.0	9.1	46,704	2,989,056.0	6.4	155	9,963
64KB	10	60% Seq 30% Read	480	300	9,350	598,400.0	4.3	21,689	1,388,096.0	12.0	31,039	1,986,496.0	9.7	103	6,621
64KB	11	30% Seq 30% Read	480	300	7,905	505,920.0	7.5	18,500	1,184,000.0	13.0	26,405	1,689,920.0	11.4	88	5,633
64KB	12	0% Seq 30% Read	480	300	7,344	470,016.0	10.6	17,252	1,104,128.0	12.9	24,596	1,574,144.0	12.2	81	5,247
64KB	13	100% Seq 0% Read	480	300	-	-	-	33,785	2,162,240.0	8.9	33,785	2,162,240.0	8.9	112	7,207
64KB	14	60% Seq 0% Read	480	300	-	-	-	26,542	1,698,688.0	11.3	26,542	1,698,688.0	11.3	88	5,662
64KB	15	30% Seq 0% Read	480	300	-	-	-	24,308	1,555,712.0	12.3	24,308	1,555,712.0	12.3	81	5,185
64KB	16	0% Seq 0% Read	480	300	-	-	-	23,452	1,500,928.0	12.8	23,452	1,500,928.0	12.8	78	5,003

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128KB	18	100% Seq 100% Read	480	300	293,232	37,533,696.0	1.0	-	-	-	293,232	37,533,696.0	1.0	977	125,112
128KB	19	60% Seq 100% Read	480	300	42,767	5,474,176.0	7.0	-	-	-	42,767	5,474,176.0	7.0	142	18,247
128KB	20	30% Seq 100% Read	480	300	30,928	3,958,784.0	9.7	-	-	-	30,928	3,958,784.0	9.7	103	13,195
128KB	21	0% Seq 100% Read	480	300	26,654	3,411,712.0	11.3	-	-	-	26,654	3,411,712.0	11.3	88	11,372
128KB	22	100% Seq 60% Read	480	300	39,675	5,078,400.0	0.5	26,186	3,351,808.0	10.6	65,861	8,430,208.0	4.6	219	28,100
128KB	23	60% Seq 60% Read	480	300	21,415	2,741,120.0	4.8	14,105	1,805,440.0	13.9	35,520	4,546,560.0	8.4	118	15,155
128KB	24	30% Seq 60% Read	480	300	16,697	2,137,216.0	8.2	11,181	1,431,168.0	14.5	27,878	3,568,384.0	10.8	92	11,894
128KB	25	0% Seq 60% Read	480	300	14,585	1,866,880.0	11.2	9,832	1,258,496.0	13.9	24,417	3,125,376.0	12.3	81	10,417
128KB	26	100% Seq 30% Read	480	300	12,754	1,632,512.0	0.3	30,051	3,846,528.0	9.8	42,805	5,479,040.0	7.0	142	18,263
128KB	27	60% Seq 30% Read	480	300	8,541	1,093,248.0	4.9	19,690	2,520,320.0	13.1	28,231	3,613,568.0	10.6	94	12,045
128KB	28	30% Seq 30% Read	480	300	7,179	918,912.0	8.3	16,905	2,163,840.0	14.2	24,084	3,082,752.0	12.5	80	10,275
128KB	29	0% Seq 30% Read	480	300	6,959	890,752.0	11.2	16,195	2,072,960.0	13.7	23,154	2,963,712.0	13.0	77	9,879
128KB	30	100% Seq 0% Read	480	300	-	-	-	31,883	4,081,024.0	9.4	31,883	4,081,024.0	9.4	106	13,603
128KB	31	60% Seq 0% Read	480	300	-	-	-	25,118	3,215,104.0	11.9	25,118	3,215,104.0	11.9	83	10,717
128KB	32	30% Seq 0% Read	480	300	-	-	-	22,856	2,925,568.0	13.1	22,856	2,925,568.0	13.1	76	9,751
128KB	33	0% Seq 0% Read	480	300	-	-	-	21,986	2,814,208.0	13.6	21,986	2,814,208.0	13.6	73	9,380

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256KB	35	100% Seq 100% Read	480	300	143,833	36,821,248.0	2.1	-	-	-	143,833	36,821,248.0	2.1	479	122,737
256KB	36	60% Seq 100% Read	480	300	35,396	9,061,376.0	8.5	-	-	-	35,396	9,061,376.0	8.5	117	30,204
256KB	37	30% Seq 100% Read	480	300	26,001	6,656,256.0	11.5	-	-	-	26,001	6,656,256.0	11.5	86	22,187
256KB	38	0% Seq 100% Read	480	300	23,372	5,983,232.0	12.8	-	-	-	23,372	5,983,232.0	12.8	77	19,944
256KB	39	100% Seq 60% Read	480	300	29,640	7,587,840.0	1.6	19,919	5,099,264.0	12.7	49,559	12,687,104.0	6.1	165	42,290
256KB	40	60% Seq 60% Read	480	300	17,964	4,598,784.0	6.0	12,163	3,113,728.0	15.8	30,127	7,712,512.0	10.0	100	25,708
256KB	41	30% Seq 60% Read	480	300	14,744	3,774,464.0	9.7	9,651	2,470,656.0	16.3	24,395	6,245,120.0	12.3	81	20,817
256KB	42	0% Seq 60% Read	480	300	12,911	3,305,216.0	12.7	8,627	2,208,512.0	15.8	21,538	5,513,728.0	13.9	71	18,379
256KB	43	100% Seq 30% Read	480	300	5,854	1,498,624.0	1.4	13,716	3,511,296.0	21.3	19,570	5,009,920.0	15.3	65	16,699
256KB	44	60% Seq 30% Read	480	300	7,537	1,929,472.0	5.9	17,593	4,503,808.0	14.5	25,130	6,433,280.0	11.9	83	21,444
256KB	45	30% Seq 30% Read	480	300	6,503	1,664,768.0	9.7	15,304	3,917,824.0	15.5	21,807	5,582,592.0	13.8	72	18,608
256KB	46	0% Seq 30% Read	480	300	6,103	1,562,368.0	12.5	14,375	3,680,000.0	15.6	20,478	5,242,368.0	14.6	68	17,474
256KB	47	100% Seq 0% Read	480	300	-	-	-	28,420	7,275,520.0	10.6	28,420	7,275,520.0	10.6	94	24,251
256KB	48	60% Seq 0% Read	480	300	-	-	-	22,420	5,739,520.0	13.4	22,420	5,739,520.0	13.4	74	19,131
256KB	49	30% Seq 0% Read	480	300	-	-	-	19,631	5,025,536.0	15.3	19,631	5,025,536.0	15.3	65	16,751
256KB	50	0% Seq 0% Read	480	300	-	-	-	19,464	4,982,784.0	15.4	19,464	4,982,784.0	15.4	64	16,609

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

WD/Dell 1TB 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	WD1TB Resp (R+W) ms	WD1TB IOP Sec (R+W)	WD1TB Bandwidth KB Sec (R+W)
512KB	52	100% Seq 100% Read	480	300	71,626	36,672,512.0	4.2	-	-	-	71,626	36,672,512.0	4.2	238	122,241
512KB	53	60% Seq 100% Read	480	300	28,625	14,656,000.0	10.5	-	-	-	28,625	14,656,000.0	10.5	95	48,853
512KB	54	30% Seq 100% Read	480	300	22,053	11,291,136.0	13.6	-	-	-	22,053	11,291,136.0	13.6	73	37,637
512KB	55	0% Seq 100% Read	480	300	20,381	10,435,072.0	14.7	-	-	-	20,381	10,435,072.0	14.7	67	34,783
512KB	56	100% Seq 60% Read	480	300	20,236	10,360,832.0	3.5	13,622	6,974,464.0	16.9	33,858	17,335,296.0	8.9	112	57,784
512KB	57	60% Seq 60% Read	480	300	13,757	7,043,584.0	8.0	9,143	4,681,216.0	20.8	22,900	11,724,800.0	13.1	76	39,082
512KB	58	30% Seq 60% Read	480	300	11,761	6,021,632.0	11.6	7,810	3,998,720.0	21.0	19,571	10,020,352.0	15.3	65	33,401
512KB	59	0% Seq 60% Read	480	300	10,965	5,614,080.0	14.4	7,317	3,746,304.0	19.4	18,282	9,360,384.0	16.4	60	31,201
512KB	60	100% Seq 30% Read	480	300	8,554	4,379,648.0	3.0	20,086	10,284,032.0	13.7	28,640	14,663,680.0	10.5	95	48,878
512KB	61	60% Seq 30% Read	480	300	6,258	3,204,096.0	7.3	14,499	7,423,488.0	17.5	20,757	10,627,584.0	14.5	69	35,425
512KB	62	30% Seq 30% Read	480	300	5,261	2,693,632.0	11.5	12,365	6,330,880.0	19.4	17,626	9,024,512.0	17.0	58	30,081
512KB	63	0% Seq 30% Read	480	300	5,092	2,607,104.0	14.4	11,895	6,090,240.0	19.1	16,987	8,697,344.0	17.7	56	28,991
512KB	64	100% Seq 0% Read	480	300	-	-	-	23,943	12,258,816.0	12.5	23,943	12,258,816.0	12.5	79	40,862
512KB	65	60% Seq 0% Read	480	300	-	-	-	17,731	9,078,272.0	16.9	17,731	9,078,272.0	16.9	59	30,260
512KB	66	30% Seq 0% Read	480	300	-	-	-	16,545	8,471,040.0	18.1	16,545	8,471,040.0	18.1	55	28,236
512KB	67	0% Seq 0% Read	480	300	-	-	-	15,906	8,143,872.0	18.9	15,906	8,143,872.0	18.9	53	27,146

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5/17/2013

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WD/Dell 1TB 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	WD1TB Resp (R+W) ms	WD1TB IOP Sec (R+W)	WD1TB Bandwidth KB Sec (R+W)
1024KB	69	100% Seq 100% Read	480	300	35,206	36,050,944.0	8.5	-	-	-	35,206	36,050,944.0	8.5	117	120,169
1024KB	70	60% Seq 100% Read	480	300	20,319	20,806,656.0	14.8	-	-	-	20,319	20,806,656.0	14.8	67	69,355
1024KB	71	30% Seq 100% Read	480	300	17,004	17,412,096.0	17.6	-	-	-	17,004	17,412,096.0	17.6	56	58,040
1024KB	72	0% Seq 100% Read	480	300	15,914	16,295,936.0	18.8	-	-	-	15,914	16,295,936.0	18.8	53	54,319
1024KB	73	100% Seq 60% Read	480	300	11,764	12,046,336.0	6.2	8,097	8,291,328.0	28.1	19,861	20,337,664.0	15.1	66	67,792
1024KB	74	60% Seq 60% Read	480	300	9,223	9,444,352.0	11.9	6,225	6,374,400.0	30.5	15,448	15,818,752.0	19.4	51	52,729
1024KB	75	30% Seq 60% Read	480	300	8,775	8,985,600.0	15.4	5,898	6,039,552.0	27.9	14,673	15,025,152.0	20.4	48	50,083
1024KB	76	0% Seq 60% Read	480	300	8,324	8,523,776.0	18.7	5,558	5,691,392.0	26.0	13,882	14,215,168.0	21.6	46	47,383
1024KB	77	100% Seq 30% Read	480	300	5,426	5,556,224.0	6.7	12,558	12,859,392.0	21.0	17,984	18,415,616.0	16.7	59	61,385
1024KB	78	60% Seq 30% Read	480	300	4,409	4,514,816.0	10.9	10,286	10,532,864.0	24.5	14,695	15,047,680.0	20.4	48	50,158
1024KB	79	30% Seq 30% Read	480	300	4,039	4,135,936.0	15.1	9,178	9,398,272.0	26.0	13,217	13,534,208.0	22.7	44	45,114
1024KB	80	0% Seq 30% Read	480	300	3,762	3,852,288.0	18.4	8,927	9,141,248.0	25.9	12,689	12,993,536.0	23.6	42	43,311
1024KB	81	100% Seq 0% Read	480	300	-	-	-	18,317	18,756,608.0	16.4	18,317	18,756,608.0	16.4	61	62,522
1024KB	82	60% Seq 0% Read	480	300	-	-	-	13,244	13,561,856.0	22.6	13,244	13,561,856.0	22.6	44	45,206
1024KB	83	30% Seq 0% Read	480	300	-	-	-	12,162	12,453,888.0	24.7	12,162	12,453,888.0	24.7	40	41,512
1024KB	84	0% Seq 0% Read	480	300	-	-	-	11,675	11,955,200.0	25.7	11,675	11,955,200.0	25.7	38	39,850

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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

WD/Dell 1TB 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	WD1TB Resp (R+W) ms	WD1TB IOP Sec (R+W)	WD1TB Bandwidth KB Sec (R+W)
2048KB	86	100% Seq 100% Read	480	300	17,738	36,327,424.0	16.9	-	-	-	17,738	36,327,424.0	16.9	59	121,091
2048KB	87	60% Seq 100% Read	480	300	13,372	27,385,856.0	22.4	-	-	-	13,372	27,385,856.0	22.4	44	91,286
2048KB	88	30% Seq 100% Read	480	300	11,779	24,123,392.0	25.5	-	-	-	11,779	24,123,392.0	25.5	39	80,411
2048KB	89	0% Seq 100% Read	480	300	11,099	22,730,752.0	27.0	-	-	-	11,099	22,730,752.0	27.0	36	75,769
2048KB	90	100% Seq 60% Read	480	300	6,879	14,088,192.0	16.3	4,666	9,555,968.0	40.3	11,545	23,644,160.0	26.0	38	78,813
2048KB	91	60% Seq 60% Read	480	300	5,773	11,823,104.0	20.3	3,810	7,802,880.0	48.0	9,583	19,625,984.0	31.3	31	65,419
2048KB	92	30% Seq 60% Read	480	300	5,757	11,790,336.0	23.0	3,842	7,868,416.0	43.6	9,599	19,658,752.0	31.3	31	65,529
2048KB	93	0% Seq 60% Read	480	300	5,617	11,503,616.0	26.8	3,668	7,512,064.0	40.8	9,285	19,015,680.0	32.3	30	63,385
2048KB	94	100% Seq 30% Read	480	300	2,890	5,918,720.0	12.1	6,842	14,012,416.0	38.7	9,732	19,931,136.0	30.8	32	66,437
2048KB	95	60% Seq 30% Read	480	300	2,701	5,531,648.0	18.1	6,247	12,793,856.0	40.2	8,948	18,325,504.0	33.5	29	61,085
2048KB	96	30% Seq 30% Read	480	300	2,463	5,044,224.0	22.8	5,881	12,044,288.0	41.4	8,344	17,088,512.0	35.9	27	56,961
2048KB	97	0% Seq 30% Read	480	300	2,537	5,195,776.0	26.5	5,761	11,798,528.0	40.4	8,298	16,994,304.0	36.1	27	56,647
2048KB	98	100% Seq 0% Read	480	300	-	-	-	9,140	18,718,720.0	32.8	9,140	18,718,720.0	32.8	30	62,395
2048KB	99	60% Seq 0% Read	480	300	-	-	-	8,002	16,388,096.0	37.5	8,002	16,388,096.0	37.5	26	54,626
2048KB	100	30% Seq 0% Read	480	300	-	-	-	7,681	15,730,688.0	39.1	7,681	15,730,688.0	39.1	25	52,435
2048KB	101	0% Seq 0% Read	480	300	-	-	-	7,503	15,366,144.0	40.0	7,503	15,366,144.0	40.0	25	51,220