

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

Hitachi (HGST now WD) 5.4K 160GB 2.5" SATA HDD RAW (Non-filesystem)

Test / Step information section					Reads			Writes			Totals (R+W)		Overall Averages (R+W)		
IO Size	Test Step	Pattern	Total Run Time Sec (with pauses)	Test Time Sec	Total Reads	Total Read KB	Avg Read Resp	Total Writes	Total Write KB	Avg Write Resp	Total IO (R+W)	Total KB (R+W)	HGST 2.5" 5.4K Avg Resp (R+W)	HGST 2.5" 5.4K IOP Sec (R+W)	HGST 2.5" 5.4K Bandwidth KB Sec (R+W)
4KB	1	100% Seq 100% Read	480	300	3,802,480	15,209,920.0	0.1	-	-	-	3,802,480	15,209,920.0	0.1	12,674	50,699
4KB	2	60% Seq 100% Read	480	300	47,604	190,416.0	6.3	-	-	-	47,604	190,416.0	6.3	158	634
4KB	3	30% Seq 100% Read	480	300	28,420	113,680.0	10.6	-	-	-	28,420	113,680.0	10.6	94	378
4KB	4	0% Seq 100% Read	480	300	20,061	80,244.0	15.0	-	-	-	20,061	80,244.0	15.0	66	267
4KB	5	100% Seq 60% Read	480	300	39,741	158,964.0	0.0	26,400	105,600.0	11.4	66,141	264,564.0	4.5	220	881
4KB	6	60% Seq 60% Read	480	300	16,381	65,524.0	5.9	10,860	43,440.0	18.7	27,241	108,964.0	11.0	90	363
4KB	7	30% Seq 60% Read	480	300	12,514	50,056.0	10.2	8,447	33,788.0	20.4	20,961	83,844.0	14.3	69	279
4KB	8	0% Seq 60% Read	480	300	10,413	41,652.0	14.7	6,710	26,840.0	21.9	17,123	68,492.0	17.5	57	228
4KB	9	100% Seq 30% Read	480	300	11,461	45,844.0	0.0	26,706	106,824.0	11.2	38,167	152,668.0	7.9	127	508
4KB	10	60% Seq 30% Read	480	300	7,041	28,164.0	5.8	16,326	65,304.0	15.9	23,367	93,468.0	12.8	77	311
4KB	11	30% Seq 30% Read	480	300	6,081	24,324.0	10.0	13,880	55,520.0	17.2	19,961	79,844.0	15.0	66	266
4KB	12	0% Seq 30% Read	480	300	5,263	21,052.0	14.6	12,051	48,204.0	18.5	17,314	69,256.0	17.3	57	230
4KB	13	100% Seq 0% Read	480	300	-	-	-	26,798	107,192.0	11.2	26,798	107,192.0	11.2	89	357
4KB	14	60% Seq 0% Read	480	300	-	-	-	22,020	88,080.0	13.6	22,020	88,080.0	13.6	73	293
4KB	15	30% Seq 0% Read	480	300	-	-	-	20,634	82,536.0	14.5	20,634	82,536.0	14.5	68	275
4KB	16	0% Seq 0% Read	480	300	-	-	-	19,734	78,936.0	15.2	19,734	78,936.0	15.2	65	263

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IO Size	Test Step	Pattern	Total Run Time Sec (with pauses)	Test Time Sec	Total Reads	Total Read KB	Avg Read Resp	Total Writes	Total Write KB	Avg Write Resp	Total IO (R+W)	Total KB (R+W)	HGST 2.5" 5.4K Avg Resp (R+W)	HGST 2.5" 5.4K IOP Sec (R+W)	HGST 2.5" 5.4K Bandwidth KB Sec (R+W)
8KB	18	100% Seq 100% Read	480	300	1,905,728	15,245,824.0	0.2	-	-	-	1,905,728	15,245,824.0	0.2	6,352	50,819
8KB	19	60% Seq 100% Read	480	300	46,631	373,048.0	6.4	-	-	-	46,631	373,048.0	6.4	155	1,243
8KB	20	30% Seq 100% Read	480	300	27,501	220,008.0	10.9	-	-	-	27,501	220,008.0	10.9	91	733
8KB	21	0% Seq 100% Read	480	300	19,901	159,208.0	15.1	-	-	-	19,901	159,208.0	15.1	66	530
8KB	22	100% Seq 60% Read	480	300	38,151	305,208.0	0.0	25,912	207,296.0	11.6	64,063	512,504.0	4.7	213	1,708
8KB	23	60% Seq 60% Read	480	300	16,142	129,136.0	6.0	10,530	84,240.0	19.2	26,672	213,376.0	11.2	88	711
8KB	24	30% Seq 60% Read	480	300	12,421	99,368.0	10.5	8,119	64,952.0	21.0	20,540	164,320.0	14.6	68	547
8KB	25	0% Seq 60% Read	480	300	10,201	81,608.0	14.9	6,752	54,016.0	21.9	16,953	135,624.0	17.7	56	452
8KB	26	100% Seq 30% Read	480	300	11,354	90,832.0	0.0	26,517	212,136.0	11.3	37,871	302,968.0	7.9	126	1,009
8KB	27	60% Seq 30% Read	480	300	6,934	55,472.0	5.9	16,122	128,976.0	16.1	23,056	184,448.0	13.0	76	614
8KB	28	30% Seq 30% Read	480	300	5,978	47,824.0	10.4	13,393	107,144.0	17.7	19,371	154,968.0	15.5	64	516
8KB	29	0% Seq 30% Read	480	300	5,182	41,456.0	14.7	12,001	96,008.0	18.6	17,183	137,464.0	17.5	57	458
8KB	30	100% Seq 0% Read	480	300	-	-	-	26,597	212,776.0	11.3	26,597	212,776.0	11.3	88	709
8KB	31	60% Seq 0% Read	480	300	-	-	-	21,010	168,080.0	14.3	21,010	168,080.0	14.3	70	560
8KB	32	30% Seq 0% Read	480	300	-	-	-	20,209	161,672.0	14.8	20,209	161,672.0	14.8	67	538
8KB	33	0% Seq 0% Read	480	300	-	-	-	19,548	156,384.0	15.3	19,548	156,384.0	15.3	65	521

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Test / Step information section					Reads			Writes			Totals (R+W)		Overall Averages (R+W)		
IO Size	Test Step	Pattern	Total Run Time Sec (with pauses)	Test Time Sec	Total Reads	Total Read KB	Avg Read Resp	Total Writes	Total Write KB	Avg Write Resp	Total IO (R+W)	Total KB (R+W)	HGST 2.5" 5.4K Avg Resp (R+W)	HGST 2.5" 5.4K IOP Sec (R+W)	HGST 2.5" 5.4K Bandwidth KB Sec (R+W)
16KB	35	100% Seq 100% Read	480	300	974,520	15,592,320.0	0.3	-	-	-	974,520	15,592,320.0	0.3	3,248	51,974
16KB	36	60% Seq 100% Read	480	300	43,554	696,864.0	6.9	-	-	-	43,554	696,864.0	6.9	145	2,322
16KB	37	30% Seq 100% Read	480	300	27,092	433,472.0	11.1	-	-	-	27,092	433,472.0	11.1	90	1,444
16KB	38	0% Seq 100% Read	480	300	19,677	314,832.0	15.2	-	-	-	19,677	314,832.0	15.2	65	1,049
16KB	39	100% Seq 60% Read	480	300	36,871	589,936.0	0.0	24,852	397,632.0	12.0	61,723	987,568.0	4.9	205	3,291
16KB	40	60% Seq 60% Read	480	300	13,945	223,120.0	6.1	9,561	152,976.0	22.4	23,506	376,096.0	12.8	78	1,253
16KB	41	30% Seq 60% Read	480	300	12,097	193,552.0	10.7	7,957	127,312.0	21.4	20,054	320,864.0	15.0	66	1,069
16KB	42	0% Seq 60% Read	480	300	10,130	162,080.0	15.0	6,737	107,792.0	22.0	16,867	269,872.0	17.8	56	899
16KB	43	100% Seq 30% Read	480	300	11,083	177,328.0	0.0	25,903	414,448.0	11.6	36,986	591,776.0	8.1	123	1,972
16KB	44	60% Seq 30% Read	480	300	6,641	106,256.0	6.0	15,427	246,832.0	16.9	22,068	353,088.0	13.6	73	1,176
16KB	45	30% Seq 30% Read	480	300	5,758	92,128.0	10.7	13,192	211,072.0	18.1	18,950	303,200.0	15.8	63	1,010
16KB	46	0% Seq 30% Read	480	300	5,036	80,576.0	14.7	12,095	193,520.0	18.7	17,131	274,096.0	17.5	57	913
16KB	47	100% Seq 0% Read	480	300	-	-	-	26,269	420,304.0	11.4	26,269	420,304.0	11.4	87	1,401
16KB	48	60% Seq 0% Read	480	300	-	-	-	21,610	345,760.0	13.9	21,610	345,760.0	13.9	72	1,152
16KB	49	30% Seq 0% Read	480	300	-	-	-	20,240	323,840.0	14.8	20,240	323,840.0	14.8	67	1,079
16KB	50	0% Seq 0% Read	480	300	-	-	-	19,398	310,368.0	15.5	19,398	310,368.0	15.5	64	1,034

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Test / Step information section					Reads			Writes			Totals (R+W)		Overall Averages (R+W)		
IO Size	Test Step	Pattern	Total Run Time Sec (with pauses)	Test Time Sec	Total Reads	Total Read KB	Avg Read Resp	Total Writes	Total Write KB	Avg Write Resp	Total IO (R+W)	Total KB (R+W)	HGST 2.5" 5.4K Avg Resp (R+W)	HGST 2.5" 5.4K IOP Sec (R+W)	HGST 2.5" 5.4K Bandwidth KB Sec (R+W)
32KB	52	100% Seq 100% Read	480	300	482,712	15,446,784.0	0.6	-	-	-	482,712	15,446,784.0	0.6	1,609	51,489
32KB	53	60% Seq 100% Read	480	300	39,388	1,260,416.0	7.6	-	-	-	39,388	1,260,416.0	7.6	131	4,201
32KB	54	30% Seq 100% Read	480	300	25,201	806,432.0	11.9	-	-	-	25,201	806,432.0	11.9	84	2,688
32KB	55	0% Seq 100% Read	480	300	19,379	620,128.0	15.5	-	-	-	19,379	620,128.0	15.5	64	2,067
32KB	56	100% Seq 60% Read	480	300	34,215	1,094,880.0	0.1	22,817	730,144.0	13.0	57,032	1,825,024.0	5.3	190	6,083
32KB	57	60% Seq 60% Read	480	300	12,300	393,600.0	6.6	8,174	261,568.0	26.8	20,474	655,168.0	14.7	68	2,183
32KB	58	30% Seq 60% Read	480	300	11,107	355,424.0	11.2	7,458	238,656.0	23.6	18,565	594,080.0	16.2	61	1,980
32KB	59	0% Seq 60% Read	480	300	9,914	317,248.0	15.4	6,576	210,432.0	22.4	16,490	527,680.0	18.2	54	1,758
32KB	60	100% Seq 30% Read	480	300	10,608	339,456.0	0.0	24,729	791,328.0	12.1	35,337	1,130,784.0	8.5	117	3,769
32KB	61	60% Seq 30% Read	480	300	5,970	191,040.0	6.2	14,078	450,496.0	18.7	20,048	641,536.0	15.0	66	2,138
32KB	62	30% Seq 30% Read	480	300	5,308	169,856.0	11.0	12,437	397,984.0	19.4	17,745	567,840.0	16.9	59	1,892
32KB	63	0% Seq 30% Read	480	300	5,029	160,928.0	15.1	11,775	376,800.0	19.0	16,804	537,728.0	17.9	56	1,792
32KB	64	100% Seq 0% Read	480	300	-	-	-	25,601	819,232.0	11.7	25,601	819,232.0	11.7	85	2,730
32KB	65	60% Seq 0% Read	480	300	-	-	-	20,743	663,776.0	14.5	20,743	663,776.0	14.5	69	2,212
32KB	66	30% Seq 0% Read	480	300	-	-	-	19,765	632,480.0	15.2	19,765	632,480.0	15.2	65	2,108
32KB	67	0% Seq 0% Read	480	300	-	-	-	18,907	605,024.0	15.9	18,907	605,024.0	15.9	63	2,016

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IO Size	Test Step	Pattern	Total Run Time Sec (with pauses)	Test Time Sec	Total Reads	Total Read KB	Avg Read Resp	Total Writes	Total Write KB	Avg Write Resp	Total IO (R+W)	Total KB (R+W)	HGST 2.5" 5.4K Avg Resp (R+W)	HGST 2.5" 5.4K IOP Sec (R+W)	HGST 2.5" 5.4K Bandwidth KB Sec (R+W)
64KB	69	100% Seq 100% Read	480	300	227,934	14,587,776.0	1.3	-	-	-	227,934	14,587,776.0	1.3	759	48,625
64KB	70	60% Seq 100% Read	480	300	34,228	2,190,592.0	8.8	-	-	-	34,228	2,190,592.0	8.8	114	7,301
64KB	71	30% Seq 100% Read	480	300	23,682	1,515,648.0	12.7	-	-	-	23,682	1,515,648.0	12.7	78	5,052
64KB	72	0% Seq 100% Read	480	300	18,738	1,199,232.0	16.0	-	-	-	18,738	1,199,232.0	16.0	62	3,997
64KB	73	100% Seq 60% Read	480	300	30,094	1,926,016.0	0.4	20,037	1,282,368.0	14.4	50,131	3,208,384.0	6.0	167	10,694
64KB	74	60% Seq 60% Read	480	300	10,047	643,008.0	7.4	6,828	436,992.0	33.1	16,875	1,080,000.0	17.8	56	3,600
64KB	75	30% Seq 60% Read	480	300	9,433	603,712.0	12.1	6,510	416,640.0	28.5	15,943	1,020,352.0	18.8	53	3,401
64KB	76	0% Seq 60% Read	480	300	9,495	607,680.0	16.0	6,376	408,064.0	23.2	15,871	1,015,744.0	18.9	52	3,385
64KB	77	100% Seq 30% Read	480	300	9,861	631,104.0	0.1	22,901	1,465,664.0	13.0	32,762	2,096,768.0	9.2	109	6,989
64KB	78	60% Seq 30% Read	480	300	5,179	331,456.0	6.6	12,146	777,344.0	21.9	17,325	1,108,800.0	17.3	57	3,696
64KB	79	30% Seq 30% Read	480	300	4,911	314,304.0	11.1	11,326	724,864.0	21.7	16,237	1,039,168.0	18.5	54	3,463
64KB	80	0% Seq 30% Read	480	300	4,853	310,592.0	15.7	11,343	725,952.0	19.7	16,196	1,036,544.0	18.5	53	3,455
64KB	81	100% Seq 0% Read	480	300	-	-	-	24,258	1,552,512.0	12.4	24,258	1,552,512.0	12.4	80	5,175
64KB	82	60% Seq 0% Read	480	300	-	-	-	20,173	1,291,072.0	14.9	20,173	1,291,072.0	14.9	67	4,303
64KB	83	30% Seq 0% Read	480	300	-	-	-	18,684	1,195,776.0	16.1	18,684	1,195,776.0	16.1	62	3,985
64KB	84	0% Seq 0% Read	480	300	-	-	-	18,023	1,153,472.0	16.6	18,023	1,153,472.0	16.6	60	3,844

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128KB	86	100% Seq 100% Read	480	300	115,625	14,800,000.0	2.6	-	-	-	115,625	14,800,000.0	2.6	385	49,333
128KB	87	60% Seq 100% Read	480	300	26,478	3,389,184.0	11.3	-	-	-	26,478	3,389,184.0	11.3	88	11,297
128KB	88	30% Seq 100% Read	480	300	19,463	2,491,264.0	15.4	-	-	-	19,463	2,491,264.0	15.4	64	8,304
128KB	89	0% Seq 100% Read	480	300	17,277	2,211,456.0	17.4	-	-	-	17,277	2,211,456.0	17.4	57	7,371
128KB	90	100% Seq 60% Read	480	300	24,009	3,073,152.0	1.1	16,086	2,059,008.0	17.0	40,095	5,132,160.0	7.5	133	17,107
128KB	91	60% Seq 60% Read	480	300	9,847	1,260,416.0	9.3	6,549	838,272.0	31.8	16,396	2,098,688.0	18.3	54	6,995
128KB	92	30% Seq 60% Read	480	300	9,514	1,217,792.0	13.4	6,544	837,632.0	26.4	16,058	2,055,424.0	18.7	53	6,851
128KB	93	0% Seq 60% Read	480	300	9,130	1,168,640.0	17.1	6,066	776,448.0	23.7	15,196	1,945,088.0	19.7	50	6,483
128KB	94	100% Seq 30% Read	480	300	8,788	1,124,864.0	0.4	20,239	2,590,592.0	14.6	29,027	3,715,456.0	10.3	96	12,384
128KB	95	60% Seq 30% Read	480	300	5,231	669,568.0	7.8	11,798	1,510,144.0	22.0	17,029	2,179,712.0	17.6	56	7,265
128KB	96	30% Seq 30% Read	480	300	4,914	628,992.0	12.7	11,131	1,424,768.0	21.3	16,045	2,053,760.0	18.7	53	6,845
128KB	97	0% Seq 30% Read	480	300	4,452	569,856.0	17.1	10,756	1,376,768.0	20.8	15,208	1,946,624.0	19.7	50	6,488
128KB	98	100% Seq 0% Read	480	300	-	-	-	21,600	2,764,800.0	13.9	21,600	2,764,800.0	13.9	72	9,216
128KB	99	60% Seq 0% Read	480	300	-	-	-	17,508	2,241,024.0	17.1	17,508	2,241,024.0	17.1	58	7,470
128KB	100	30% Seq 0% Read	480	300	-	-	-	17,328	2,217,984.0	17.3	17,328	2,217,984.0	17.3	57	7,393
128KB	101	0% Seq 0% Read	480	300	-	-	-	16,672	2,134,016.0	18.0	16,672	2,134,016.0	18.0	55	7,113

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256KB	103	100% Seq 100% Read	480	300	64,469	16,504,064.0	4.7	-	-	-	64,469	16,504,064.0	4.7	214	55,013
256KB	104	60% Seq 100% Read	480	300	20,753	5,312,768.0	14.5	-	-	-	20,753	5,312,768.0	14.5	69	17,709
256KB	105	30% Seq 100% Read	480	300	15,810	4,047,360.0	19.0	-	-	-	15,810	4,047,360.0	19.0	52	13,491
256KB	106	0% Seq 100% Read	480	300	13,948	3,570,688.0	21.5	-	-	-	13,948	3,570,688.0	21.5	46	11,902
256KB	107	100% Seq 60% Read	480	300	16,316	4,176,896.0	3.2	10,936	2,799,616.0	22.6	27,252	6,976,512.0	11.0	90	23,255
256KB	108	60% Seq 60% Read	480	300	6,309	1,615,104.0	13.8	4,317	1,105,152.0	49.4	10,626	2,720,256.0	28.2	35	9,067
256KB	109	30% Seq 60% Read	480	300	5,267	1,348,352.0	18.7	3,518	900,608.0	57.3	8,785	2,248,960.0	34.1	29	7,496
256KB	110	0% Seq 60% Read	480	300	4,959	1,269,504.0	21.0	3,236	828,416.0	60.6	8,195	2,097,920.0	36.6	27	6,993
256KB	111	100% Seq 30% Read	480	300	6,506	1,665,536.0	2.7	15,285	3,912,960.0	18.5	21,791	5,578,496.0	13.8	72	18,594
256KB	112	60% Seq 30% Read	480	300	3,399	870,144.0	12.9	7,960	2,037,760.0	32.2	11,359	2,907,904.0	26.4	37	9,693
256KB	113	30% Seq 30% Read	480	300	2,762	707,072.0	18.0	6,473	1,657,088.0	38.7	9,235	2,364,160.0	32.5	30	7,880
256KB	114	0% Seq 30% Read	480	300	2,642	676,352.0	20.1	6,069	1,553,664.0	40.7	8,711	2,230,016.0	34.4	29	7,433
256KB	115	100% Seq 0% Read	480	300	-	-	-	17,515	4,483,840.0	17.1	17,515	4,483,840.0	17.1	58	14,946
256KB	116	60% Seq 0% Read	480	300	-	-	-	15,949	4,082,944.0	18.8	15,949	4,082,944.0	18.8	53	13,609
256KB	117	30% Seq 0% Read	480	300	-	-	-	14,446	3,698,176.0	20.8	14,446	3,698,176.0	20.8	48	12,327
256KB	118	0% Seq 0% Read	480	300	-	-	-	14,430	3,694,080.0	20.8	14,430	3,694,080.0	20.8	48	12,313

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

Hitachi (HGST now WD) 5.4K 160GB 2.5" SATA HDD RAW (Non-filesystem)

Test / Step information section					Reads			Writes			Totals (R+W)		Overall Averages (R+W)		
IO Size	Test Step	Pattern	Total Run Time Sec (with pauses)	Test Time Sec	Total Reads	Total Read KB	Avg Read Resp	Total Writes	Total Write KB	Avg Write Resp	Total IO (R+W)	Total KB (R+W)	HGST 2.5" 5.4K Avg Resp (R+W)	HGST 2.5" 5.4K IOP Sec (R+W)	HGST 2.5" 5.4K Bandwidth KB Sec (R+W)
512KB	120	100% Seq 100% Read	480	300	36,081	18,473,472.0	8.3	-	-	-	36,081	18,473,472.0	8.3	120	61,578
512KB	121	60% Seq 100% Read	480	300	14,552	7,450,624.0	20.6	-	-	-	14,552	7,450,624.0	20.6	48	24,835
512KB	122	30% Seq 100% Read	480	300	12,611	6,456,832.0	23.8	-	-	-	12,611	6,456,832.0	23.8	42	21,522
512KB	123	0% Seq 100% Read	480	300	11,536	5,906,432.0	26.0	-	-	-	11,536	5,906,432.0	26.0	38	19,688
512KB	124	100% Seq 60% Read	480	300	10,477	5,364,224.0	7.7	6,857	3,510,784.0	32.0	17,334	8,875,008.0	17.3	57	29,583
512KB	125	60% Seq 60% Read	480	300	5,640	2,887,680.0	17.2	3,813	1,952,256.0	53.3	9,453	4,839,936.0	31.7	31	16,133
512KB	126	30% Seq 60% Read	480	300	4,585	2,347,520.0	23.4	3,072	1,572,864.0	62.7	7,657	3,920,384.0	39.2	25	13,067
512KB	127	0% Seq 60% Read	480	300	4,316	2,209,792.0	25.6	2,932	1,501,184.0	64.6	7,248	3,710,976.0	41.4	24	12,369
512KB	128	100% Seq 30% Read	480	300	4,647	2,379,264.0	7.1	10,508	5,380,096.0	25.4	15,155	7,759,360.0	19.8	50	25,864
512KB	129	60% Seq 30% Read	480	300	2,897	1,483,264.0	16.9	6,738	3,449,856.0	37.3	9,635	4,933,120.0	31.1	32	16,443
512KB	130	30% Seq 30% Read	480	300	2,371	1,213,952.0	23.3	5,482	2,806,784.0	44.7	7,853	4,020,736.0	38.2	26	13,402
512KB	131	0% Seq 30% Read	480	300	2,290	1,172,480.0	24.6	5,503	2,817,536.0	44.3	7,793	3,990,016.0	38.5	25	13,300
512KB	132	100% Seq 0% Read	480	300	-	-	-	14,089	7,213,568.0	21.3	14,089	7,213,568.0	21.3	46	24,045
512KB	133	60% Seq 0% Read	480	300	-	-	-	12,074	6,181,888.0	24.8	12,074	6,181,888.0	24.8	40	20,606
512KB	134	30% Seq 0% Read	480	300	-	-	-	11,592	5,935,104.0	25.9	11,592	5,935,104.0	25.9	38	19,783
512KB	135	0% Seq 0% Read	480	300	-	-	-	11,354	5,813,248.0	26.4	11,354	5,813,248.0	26.4	37	19,377

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

Hitachi (HGST now WD) 5.4K 160GB 2.5" SATA HDD RAW (Non-filesystem)

Test / Step information section					Reads			Writes			Totals (R+W)		Overall Averages (R+W)		
IO Size	Test Step	Pattern	Total Run Time Sec (with pauses)	Test Time Sec	Total Reads	Total Read KB	Avg Read Resp	Total Writes	Total Write KB	Avg Write Resp	Total IO (R+W)	Total KB (R+W)	HGST 2.5" 5.4K Avg Resp (R+W)	HGST 2.5" 5.4K IOP Sec (R+W)	HGST 2.5" 5.4K Bandwidth KB Sec (R+W)
1024KB	137	100% Seq 100% Read	480	300	15,346	15,714,304.0	19.5	-	-	-	15,346	15,714,304.0	19.5	51	52,381
1024KB	138	60% Seq 100% Read	480	300	10,439	10,689,536.0	28.7	-	-	-	10,439	10,689,536.0	28.7	34	35,631
1024KB	139	30% Seq 100% Read	480	300	9,011	9,227,264.0	33.3	-	-	-	9,011	9,227,264.0	33.3	30	30,757
1024KB	140	0% Seq 100% Read	480	300	8,423	8,625,152.0	35.6	-	-	-	8,423	8,625,152.0	35.6	28	28,750
1024KB	141	100% Seq 60% Read	480	300	6,339	6,491,136.0	15.9	4,066	4,163,584.0	49.0	10,405	10,654,720.0	28.8	34	35,515
1024KB	142	60% Seq 60% Read	480	300	4,078	4,175,872.0	27.2	2,755	2,821,120.0	68.7	6,833	6,996,992.0	43.9	22	23,323
1024KB	143	30% Seq 60% Read	480	300	3,726	3,815,424.0	32.9	2,404	2,461,696.0	73.9	6,130	6,277,120.0	48.9	20	20,923
1024KB	144	0% Seq 60% Read	480	300	3,576	3,661,824.0	35.1	2,307	2,362,368.0	75.7	5,883	6,024,192.0	51.0	19	20,080
1024KB	145	100% Seq 30% Read	480	300	3,138	3,213,312.0	14.0	7,247	7,420,928.0	35.4	10,385	10,634,240.0	28.9	34	35,447
1024KB	146	60% Seq 30% Read	480	300	2,073	2,122,752.0	26.4	4,876	4,993,024.0	50.3	6,949	7,115,776.0	43.2	23	23,719
1024KB	147	30% Seq 30% Read	480	300	1,903	1,948,672.0	31.8	4,402	4,507,648.0	54.4	6,305	6,456,320.0	47.6	21	21,521
1024KB	148	0% Seq 30% Read	480	300	1,783	1,825,792.0	34.4	4,299	4,402,176.0	55.5	6,082	6,227,968.0	49.3	20	20,759
1024KB	149	100% Seq 0% Read	480	300	-	-	-	9,422	9,648,128.0	31.8	9,422	9,648,128.0	31.8	31	32,160
1024KB	150	60% Seq 0% Read	480	300	-	-	-	8,252	8,450,048.0	36.4	8,252	8,450,048.0	36.4	27	28,166
1024KB	151	30% Seq 0% Read	480	300	-	-	-	8,258	8,456,192.0	36.3	8,258	8,456,192.0	36.3	27	28,187
1024KB	152	0% Seq 0% Read	480	300	-	-	-	8,097	8,291,328.0	37.0	8,097	8,291,328.0	37.0	26	27,637

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

Hitachi (HGST now WD) 5.4K 160GB 2.5" SATA HDD RAW (Non-filesystem)

Test / Step information section					Reads			Writes			Totals (R+W)		Overall Averages (R+W)		
IO Size	Test Step	Pattern	Total Run Time Sec (with pauses)	Test Time Sec	Total Reads	Total Read KB	Avg Read Resp	Total Writes	Total Write KB	Avg Write Resp	Total IO (R+W)	Total KB (R+W)	HGST 2.5" 5.4K Avg Resp (R+W)	HGST 2.5" 5.4K IOP Sec (R+W)	HGST 2.5" 5.4K Bandwidth KB Sec (R+W)
2048KB	154	100% Seq 100% Read	480	300	7,032	14,401,536.0	42.7	-	-	-	7,032	14,401,536.0	42.7	23	48,005
2048KB	155	60% Seq 100% Read	480	300	5,553	11,372,544.0	54.0	-	-	-	5,553	11,372,544.0	54.0	18	37,908
2048KB	156	30% Seq 100% Read	480	300	5,792	11,862,016.0	51.8	-	-	-	5,792	11,862,016.0	51.8	19	39,540
2048KB	157	0% Seq 100% Read	480	300	5,458	11,177,984.0	55.0	-	-	-	5,458	11,177,984.0	55.0	18	37,259
2048KB	158	100% Seq 60% Read	480	300	2,950	6,041,600.0	35.5	2,121	4,343,808.0	92.1	5,071	10,385,408.0	59.2	16	34,618
2048KB	159	60% Seq 60% Read	480	300	2,798	5,730,304.0	44.2	1,921	3,934,208.0	91.8	4,719	9,664,512.0	63.6	15	32,215
2048KB	160	30% Seq 60% Read	480	300	2,552	5,226,496.0	50.8	1,717	3,516,416.0	99.2	4,269	8,742,912.0	70.3	14	29,143
2048KB	161	0% Seq 60% Read	480	300	2,416	4,947,968.0	54.5	1,655	3,389,440.0	101.7	4,071	8,337,408.0	73.7	13	27,791
2048KB	162	100% Seq 30% Read	480	300	1,561	3,196,928.0	32.5	3,720	7,618,560.0	67.0	5,281	10,815,488.0	56.8	17	36,051
2048KB	163	60% Seq 30% Read	480	300	1,384	2,834,432.0	43.8	3,318	6,795,264.0	72.1	4,702	9,629,696.0	63.8	15	32,098
2048KB	164	30% Seq 30% Read	480	300	1,291	2,643,968.0	51.1	2,923	5,986,304.0	80.1	4,214	8,630,272.0	71.2	14	28,767
2048KB	165	0% Seq 30% Read	480	300	1,207	2,471,936.0	53.8	2,943	6,027,264.0	79.9	4,150	8,499,200.0	72.3	13	28,330
2048KB	166	100% Seq 0% Read	480	300	-	-	-	6,182	12,660,736.0	48.5	6,182	12,660,736.0	48.5	20	42,202
2048KB	167	60% Seq 0% Read	480	300	-	-	-	5,174	10,596,352.0	58.0	5,174	10,596,352.0	58.0	17	35,321
2048KB	168	30% Seq 0% Read	480	300	-	-	-	5,092	10,428,416.0	58.9	5,092	10,428,416.0	58.9	16	34,761
2048KB	169	0% Seq 0% Read	480	300	-	-	-	5,112	10,469,376.0	58.7	5,112	10,469,376.0	58.7	17	34,897