

Your performance WILL vary, results provided as is with NO warranties or responsibility for or how used or their impact!

Worker count = 1

1/11/2015

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

STX ST2000LM003 2.5" 5.4K SATA 2TB (External Raw LSI SAS HBA) Offset: 64KB

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)	STX ST2000LM0 2.5" 5.4K 2TB Avg Resp (R+W)	STX ST2000LM0 2.5" 5.4K 2TB IOP Sec (R+W)	STX ST2000LM003 2.5" 5.4K 2TB SATA KB Sec (R+W)
4KB	1	100% Seq 100% Read	480	300	8,099,392	32,397,568	0.04	-	-	-	8,099,392	32,397,568	0.04	26,997	107,991
4KB	2	60% Seq 100% Read	480	300	47,673	190,692.0	6.3	-	-	-	47,673	190,692.0	6.3	158	635
4KB	3	30% Seq 100% Read	480	300	28,230	112,920.0	10.6	-	-	-	28,230	112,920.0	10.6	94	376
4KB	4	0% Seq 100% Read	480	300	20,109	80,436.0	14.9	-	-	-	20,109	80,436.0	14.9	67	268
4KB	5	100% Seq 60% Read	480	300	36,860	147,440.0	0.0	24,577	98,308.0	12.2	61,437	245,748.0	4.9	204	819
4KB	6	60% Seq 60% Read	480	300	17,906	71,624.0	6.0	11,673	46,692.0	16.5	29,579	118,316.0	10.1	98	394
4KB	7	30% Seq 60% Read	480	300	13,597	54,388.0	10.4	9,098	36,392.0	17.4	22,695	90,780.0	13.2	75	302
4KB	8	0% Seq 60% Read	480	300	11,435	45,740.0	14.8	7,493	29,972.0	17.4	18,928	75,712.0	15.8	63	252
4KB	9	100% Seq 30% Read	480	300	11,284	45,136.0	0.0	26,279	105,116.0	11.4	37,563	150,252.0	8.0	125	500
4KB	10	60% Seq 30% Read	480	300	7,013	28,052.0	6.0	16,246	64,984.0	15.9	23,259	93,036.0	12.9	77	310
4KB	11	30% Seq 30% Read	480	300	5,852	23,408.0	10.2	14,105	56,420.0	17.0	19,957	79,828.0	15.0	66	266
4KB	12	0% Seq 30% Read	480	300	5,348	21,392.0	14.7	12,644	50,576.0	17.5	17,992	71,968.0	16.7	59	239
4KB	13	100% Seq 0% Read	480	300	-	-	-	27,016	108,064.0	11.1	27,016	108,064.0	11.1	90	360
4KB	14	60% Seq 0% Read	480	300	-	-	-	19,692	78,768.0	15.2	19,692	78,768.0	15.2	65	262
4KB	15	30% Seq 0% Read	480	300	-	-	-	17,335	69,340.0	17.3	17,335	69,340.0	17.3	57	231
4KB	16	0% Seq 0% Read	480	300	-	-	-	17,297	69,188.0	17.3	17,297	69,188.0	17.3	57	230

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STX ST2000LM003 2.5" 5.4K SATA 2TB (External Raw LSI SAS HBA)

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)	STX ST2000LM0 2.5" 5.4K 2TB Avg Resp (R+W)	STX ST2000LM0 2.5" 5.4K 2TB IOP Sec (R+W)	STX ST2000LM003 2.5" 5.4K 2TB SATA KB Sec (R+W)
8KB	17	100% Seq 100% Read	480	300	4,159,584	33,276,672	0.07	-	-	-	4,159,584	33,276,672	0.07	13,865	110,922
8KB	18	60% Seq 100% Read	480	300	45,802	366,416.0	6.6	-	-	-	45,802	366,416.0	6.6	152	1,221
8KB	19	30% Seq 100% Read	480	300	27,880	223,040.0	10.8	-	-	-	27,880	223,040.0	10.8	92	743
8KB	20	0% Seq 100% Read	480	300	20,061	160,488.0	15.0	-	-	-	20,061	160,488.0	15.0	66	534
8KB	21	100% Seq 60% Read	480	300	34,007	272,056.0	0.0	22,615	180,920.0	13.3	56,622	452,976.0	5.3	188	1,509
8KB	22	60% Seq 60% Read	480	300	17,435	139,480.0	6.1	11,544	92,352.0	16.8	28,979	231,832.0	10.4	96	772
8KB	23	30% Seq 60% Read	480	300	13,624	108,992.0	10.4	9,053	72,424.0	17.5	22,677	181,416.0	13.2	75	604
8KB	24	0% Seq 60% Read	480	300	11,188	89,504.0	14.8	7,660	61,280.0	17.6	18,848	150,784.0	15.9	62	502
8KB	25	100% Seq 30% Read	480	300	10,884	87,072.0	0.0	25,426	203,408.0	11.8	36,310	290,480.0	8.3	121	968
8KB	26	60% Seq 30% Read	480	300	6,773	54,184.0	6.2	15,882	127,056.0	16.2	22,655	181,240.0	13.2	75	604
8KB	27	30% Seq 30% Read	480	300	5,906	47,248.0	10.1	13,952	111,616.0	17.2	19,858	158,864.0	15.1	66	529
8KB	28	0% Seq 30% Read	480	300	5,375	43,000.0	14.6	12,651	101,208.0	17.5	18,026	144,208.0	16.6	60	480
8KB	29	100% Seq 0% Read	480	300	-	-	-	26,959	215,672.0	11.1	26,959	215,672.0	11.1	89	718
8KB	30	60% Seq 0% Read	480	300	-	-	-	19,612	156,896.0	15.3	19,612	156,896.0	15.3	65	522
8KB	31	30% Seq 0% Read	480	300	-	-	-	17,773	142,184.0	16.9	17,773	142,184.0	16.9	59	473
8KB	32	0% Seq 0% Read	480	300	-	-	-	17,161	137,288.0	17.5	17,161	137,288.0	17.5	57	457

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STX ST2000LM003 2.5" 5.4K SATA 2TB (External Raw LSI SAS HBA)

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)	STX ST2000LM0 2.5" 5.4K 2TB Avg Resp (R+W)	STX ST2000LM0 2.5" 5.4K 2TB IOP Sec (R+W)	STX ST2000LM003 2.5" 5.4K 2TB SATA KB Sec (R+W)
16KB	33	100% Seq 100% Read	480	300	2,111,648	33,786,368	0.14	-	-	-	2,111,648	33,786,368	0.14	7,038	112,621
16KB	34	60% Seq 100% Read	480	300	42,574	681,184.0	7.0	-	-	-	42,574	681,184.0	7.0	141	2,270
16KB	35	30% Seq 100% Read	480	300	27,208	435,328.0	11.0	-	-	-	27,208	435,328.0	11.0	90	1,451
16KB	36	0% Seq 100% Read	480	300	19,939	319,024.0	15.0	-	-	-	19,939	319,024.0	15.0	66	1,063
16KB	37	100% Seq 60% Read	480	300	29,908	478,528.0	0.0	19,869	317,904.0	15.0	49,777	796,432.0	6.0	165	2,654
16KB	38	60% Seq 60% Read	480	300	16,632	266,112.0	6.3	11,165	178,640.0	17.5	27,797	444,752.0	10.8	92	1,482
16KB	39	30% Seq 60% Read	480	300	13,241	211,856.0	10.7	8,789	140,624.0	18.0	22,030	352,480.0	13.6	73	1,174
16KB	40	0% Seq 60% Read	480	300	11,152	178,432.0	14.9	7,561	120,976.0	17.7	18,713	299,408.0	16.0	62	998
16KB	41	100% Seq 30% Read	480	300	10,419	166,704.0	0.0	24,356	389,696.0	12.3	34,775	556,400.0	8.6	115	1,854
16KB	42	60% Seq 30% Read	480	300	6,963	111,408.0	6.0	16,048	256,768.0	16.1	23,011	368,176.0	13.0	76	1,227
16KB	43	30% Seq 30% Read	480	300	5,825	93,200.0	10.4	13,730	219,680.0	17.4	19,555	312,880.0	15.3	65	1,042
16KB	44	0% Seq 30% Read	480	300	5,472	87,552.0	14.9	12,408	198,528.0	17.6	17,880	286,080.0	16.8	59	953
16KB	45	100% Seq 0% Read	480	300	-	-	-	26,722	427,552.0	11.2	26,722	427,552.0	11.2	89	1,425
16KB	46	60% Seq 0% Read	480	300	-	-	-	19,254	308,064.0	15.6	19,254	308,064.0	15.6	64	1,026
16KB	47	30% Seq 0% Read	480	300	-	-	-	17,654	282,464.0	17.0	17,654	282,464.0	17.0	58	941
16KB	48	0% Seq 0% Read	480	300	-	-	-	16,996	271,936.0	17.6	16,996	271,936.0	17.6	56	906

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STX ST2000LM003 2.5" 5.4K SATA 2TB (External Raw LSI SAS HBA)

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)	STX ST2000LM0 2.5" 5.4K 2TB Avg Resp (R+W)	STX ST2000LM0 2.5" 5.4K 2TB IOP Sec (R+W)	STX ST2000LM003 2.5" 5.4K 2TB SATA KB Sec (R+W)
32KB	49	100% Seq 100% Read	480	300	1,074,232	34,375,424	0.28	-	-	-	1,074,232	34,375,424	0.28	3,580	114,584
32KB	50	60% Seq 100% Read	480	300	36,239	1,159,648.0	8.3	-	-	-	36,239	1,159,648.0	8.3	120	3,865
32KB	51	30% Seq 100% Read	480	300	25,356	811,392.0	11.8	-	-	-	25,356	811,392.0	11.8	84	2,704
32KB	52	0% Seq 100% Read	480	300	19,775	632,800.0	15.2	-	-	-	19,775	632,800.0	15.2	65	2,109
32KB	53	100% Seq 60% Read	480	300	22,226	711,232.0	0.6	14,590	466,880.0	19.7	36,816	1,178,112.0	8.2	122	3,927
32KB	54	60% Seq 60% Read	480	300	15,846	507,072.0	6.6	10,571	338,272.0	18.4	26,417	845,344.0	11.4	88	2,817
32KB	55	30% Seq 60% Read	480	300	12,561	401,952.0	11.1	8,390	268,480.0	19.1	20,951	670,432.0	14.3	69	2,234
32KB	56	0% Seq 60% Read	480	300	10,966	350,912.0	15.1	7,408	237,056.0	18.1	18,374	587,968.0	16.3	61	1,959
32KB	57	100% Seq 30% Read	480	300	9,318	298,176.0	0.1	21,623	691,936.0	13.8	30,941	990,112.0	9.7	103	3,300
32KB	58	60% Seq 30% Read	480	300	6,500	208,000.0	6.0	15,374	491,968.0	17.0	21,874	699,968.0	13.7	72	2,333
32KB	59	30% Seq 30% Read	480	300	5,709	182,688.0	10.5	13,280	424,960.0	18.1	18,989	607,648.0	15.8	63	2,025
32KB	60	0% Seq 30% Read	480	300	5,190	166,080.0	15.0	12,276	392,832.0	18.1	17,466	558,912.0	17.2	58	1,863
32KB	61	100% Seq 0% Read	480	300	-	-	-	26,331	842,592.0	11.4	26,331	842,592.0	11.4	87	2,808
32KB	62	60% Seq 0% Read	480	300	-	-	-	19,169	613,408.0	15.6	19,169	613,408.0	15.6	63	2,044
32KB	63	30% Seq 0% Read	480	300	-	-	-	17,238	551,616.0	17.4	17,238	551,616.0	17.4	57	1,838
32KB	64	0% Seq 0% Read	480	300	-	-	-	16,591	530,912.0	18.1	16,591	530,912.0	18.1	55	1,769

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STX ST2000LM003 2.5" 5.4K SATA 2TB (External Raw LSI SAS HBA)

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)	STX ST2000LM0 2.5" 5.4K 2TB Avg Resp (R+W)	STX ST2000LM0 2.5" 5.4K 2TB IOP Sec (R+W)	STX ST2000LM003 2.5" 5.4K 2TB SATA KB Sec (R+W)
64KB	65	100% Seq 100% Read	480	300	542,240	34,703,360	0.55	-	-	-	542,240	34,703,360	0.55	1,807	115,677
64KB	66	60% Seq 100% Read	480	300	29,826	1,908,864.0	10.1	-	-	-	29,826	1,908,864.0	10.1	99	6,362
64KB	67	30% Seq 100% Read	480	300	22,803	1,459,392.0	13.2	-	-	-	22,803	1,459,392.0	13.2	76	4,864
64KB	68	0% Seq 100% Read	480	300	19,256	1,232,384.0	15.6	-	-	-	19,256	1,232,384.0	15.6	64	4,107
64KB	69	100% Seq 60% Read	480	300	19,458	1,245,312.0	2.0	12,814	820,096.0	20.4	32,272	2,065,408.0	9.3	107	6,884
64KB	70	60% Seq 60% Read	480	300	13,397	857,408.0	8.2	8,918	570,752.0	21.3	22,315	1,428,160.0	13.4	74	4,760
64KB	71	30% Seq 60% Read	480	300	11,961	765,504.0	11.9	7,914	506,496.0	19.9	19,875	1,272,000.0	15.1	66	4,240
64KB	72	0% Seq 60% Read	480	300	10,835	693,440.0	15.3	7,095	454,080.0	18.9	17,930	1,147,520.0	16.7	59	3,825
64KB	73	100% Seq 30% Read	480	300	8,303	531,392.0	0.6	19,397	1,241,408.0	15.2	27,700	1,772,800.0	10.8	92	5,909
64KB	74	60% Seq 30% Read	480	300	5,877	376,128.0	7.4	13,321	852,544.0	19.2	19,198	1,228,672.0	15.6	63	4,095
64KB	75	30% Seq 30% Read	480	300	5,278	337,792.0	11.3	12,428	795,392.0	19.3	17,706	1,133,184.0	16.9	59	3,777
64KB	76	0% Seq 30% Read	480	300	5,213	333,632.0	15.3	11,754	752,256.0	18.7	16,967	1,085,888.0	17.7	56	3,619
64KB	77	100% Seq 0% Read	480	300	-	-	-	25,771	1,649,344.0	11.6	25,771	1,649,344.0	11.6	85	5,497
64KB	78	60% Seq 0% Read	480	300	-	-	-	18,226	1,166,464.0	16.5	18,226	1,166,464.0	16.5	60	3,888
64KB	79	30% Seq 0% Read	480	300	-	-	-	16,267	1,041,088.0	18.4	16,267	1,041,088.0	18.4	54	3,470
64KB	80	0% Seq 0% Read	480	300	-	-	-	16,038	1,026,432.0	18.7	16,038	1,026,432.0	18.7	53	3,421

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STX ST2000LM003 2.5" 5.4K SATA 2TB (External Raw LSI SAS HBA)

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)	STX ST2000LM0 2.5" 5.4K 2TB Avg Resp (R+W)	STX ST2000LM0 2.5" 5.4K 2TB IOP Sec (R+W)	STX ST2000LM003 2.5" 5.4K 2TB SATA KB Sec (R+W)
128KB	81	100% Seq 100% Read	480	300	268,489	34,366,592	1.12	-	-	-	268,489	34,366,592	1.12	894	114,555
128KB	82	60% Seq 100% Read	480	300	25,430	3,255,040.0	11.8	-	-	-	25,430	3,255,040.0	11.8	84	10,850
128KB	83	30% Seq 100% Read	480	300	20,690	2,648,320.0	14.5	-	-	-	20,690	2,648,320.0	14.5	68	8,827
128KB	84	0% Seq 100% Read	480	300	18,531	2,371,968.0	16.2	-	-	-	18,531	2,371,968.0	16.2	61	7,906
128KB	85	100% Seq 60% Read	480	300	15,636	2,001,408.0	4.4	10,496	1,343,488.0	22.1	26,132	3,344,896.0	11.5	87	11,149
128KB	86	60% Seq 60% Read	480	300	10,716	1,371,648.0	11.7	7,243	927,104.0	24.2	17,959	2,298,752.0	16.7	59	7,662
128KB	87	30% Seq 60% Read	480	300	10,750	1,376,000.0	13.7	6,884	881,152.0	22.2	17,634	2,257,152.0	17.0	58	7,523
128KB	88	0% Seq 60% Read	480	300	10,143	1,298,304.0	16.0	6,789	868,992.0	20.2	16,932	2,167,296.0	17.7	56	7,224
128KB	89	100% Seq 30% Read	480	300	6,638	849,664.0	3.1	15,457	1,978,496.0	18.1	22,095	2,828,160.0	13.6	73	9,427
128KB	90	60% Seq 30% Read	480	300	5,249	671,872.0	9.3	12,103	1,549,184.0	20.7	17,352	2,221,056.0	17.3	57	7,403
128KB	91	30% Seq 30% Read	480	300	4,806	615,168.0	12.9	10,824	1,385,472.0	22.0	15,630	2,000,640.0	19.2	52	6,668
128KB	92	0% Seq 30% Read	480	300	4,815	616,320.0	15.9	11,194	1,432,832.0	20.0	16,009	2,049,152.0	18.7	53	6,830
128KB	93	100% Seq 0% Read	480	300	-	-	-	24,629	3,152,512.0	12.2	24,629	3,152,512.0	12.2	82	10,508
128KB	94	60% Seq 0% Read	480	300	-	-	-	16,750	2,144,000.0	17.9	16,750	2,144,000.0	17.9	55	7,146
128KB	95	30% Seq 0% Read	480	300	-	-	-	15,569	1,992,832.0	19.3	15,569	1,992,832.0	19.3	51	6,642
128KB	96	0% Seq 0% Read	480	300	-	-	-	15,020	1,922,560.0	20.0	15,020	1,922,560.0	20.0	50	6,408

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STX ST2000LM003 2.5" 5.4K SATA 2TB (External Raw LSI SAS HBA)

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)	STX ST2000LM0 2.5" 5.4K 2TB Avg Resp (R+W)	STX ST2000LM0 2.5" 5.4K 2TB IOP Sec (R+W)	STX ST2000LM003 2.5" 5.4K 2TB SATA KB Sec (R+W)
256KB	97	100% Seq 100% Read	480	300	140,799	36,044,544	2.13	-	-	-	140,799	36,044,544	2.13	469	120,148
256KB	98	60% Seq 100% Read	480	300	23,795	6,091,520.0	12.6	-	-	-	23,795	6,091,520.0	12.6	79	20,305
256KB	99	30% Seq 100% Read	480	300	17,740	4,541,440.0	16.9	-	-	-	17,740	4,541,440.0	16.9	59	15,138
256KB	100	0% Seq 100% Read	480	300	16,278	4,167,168.0	18.4	-	-	-	16,278	4,167,168.0	18.4	54	13,890
256KB	101	100% Seq 60% Read	480	300	15,223	3,897,088.0	6.0	10,044	2,571,264.0	20.8	25,267	6,468,352.0	11.9	84	21,561
256KB	102	60% Seq 60% Read	480	300	10,491	2,685,696.0	12.5	7,093	1,815,808.0	23.8	17,584	4,501,504.0	17.1	58	15,005
256KB	103	30% Seq 60% Read	480	300	9,404	2,407,424.0	17.0	6,160	1,576,960.0	22.8	15,564	3,984,384.0	19.3	51	13,281
256KB	104	0% Seq 60% Read	480	300	9,038	2,313,728.0	17.9	5,980	1,530,880.0	23.1	15,018	3,844,608.0	20.0	50	12,815
256KB	105	100% Seq 30% Read	480	300	6,054	1,549,824.0	7.8	14,075	3,603,200.0	18.0	20,129	5,153,024.0	14.9	67	17,176
256KB	106	60% Seq 30% Read	480	300	4,897	1,253,632.0	11.1	11,308	2,894,848.0	21.7	16,205	4,148,480.0	18.5	54	13,828
256KB	107	30% Seq 30% Read	480	300	4,397	1,125,632.0	14.8	10,141	2,596,096.0	23.2	14,538	3,721,728.0	20.6	48	12,405
256KB	108	0% Seq 30% Read	480	300	4,203	1,075,968.0	17.6	9,983	2,555,648.0	22.6	14,186	3,631,616.0	21.1	47	12,105
256KB	109	100% Seq 0% Read	480	300	-	-	-	22,400	5,734,400.0	13.4	22,400	5,734,400.0	13.4	74	19,114
256KB	110	60% Seq 0% Read	480	300	-	-	-	15,384	3,938,304.0	19.5	15,384	3,938,304.0	19.5	51	13,127
256KB	111	30% Seq 0% Read	480	300	-	-	-	13,976	3,577,856.0	21.5	13,976	3,577,856.0	21.5	46	11,926
256KB	112	0% Seq 0% Read	480	300	-	-	-	13,449	3,442,944.0	22.3	13,449	3,442,944.0	22.3	44	11,476

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Worker count = 1

1/11/2015

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

STX ST2000LM003 2.5" 5.4K SATA 2TB (External Raw LSI SAS HBA)

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)	STX ST2000LM0 2.5" 5.4K 2TB Avg Resp (R+W)	STX ST2000LM0 2.5" 5.4K 2TB IOP Sec (R+W)	STX ST2000LM003 2.5" 5.4K 2TB SATA KB Sec (R+W)
512KB	113	100% Seq 100% Read	480	300	62,291	31,892,992	4.81	-	-	-	62,291	31,892,992	4.81	207	106,309
512KB	114	60% Seq 100% Read	480	300	19,907	10,192,384.0	15.1	-	-	-	19,907	10,192,384.0	15.1	66	33,974
512KB	115	30% Seq 100% Read	480	300	15,603	7,988,736.0	19.2	-	-	-	15,603	7,988,736.0	19.2	52	26,629
512KB	116	0% Seq 100% Read	480	300	14,332	7,337,984.0	20.9	-	-	-	14,332	7,337,984.0	20.9	47	24,459
512KB	117	100% Seq 60% Read	480	300	12,644	6,473,728.0	8.4	8,334	4,267,008.0	23.3	20,978	10,740,736.0	14.3	69	35,802
512KB	118	60% Seq 60% Read	480	300	8,786	4,498,432.0	16.1	5,747	2,942,464.0	27.5	14,533	7,440,896.0	20.6	48	24,802
512KB	119	30% Seq 60% Read	480	300	8,025	4,108,800.0	18.8	5,342	2,735,104.0	27.9	13,367	6,843,904.0	22.4	44	22,813
512KB	120	0% Seq 60% Read	480	300	7,653	3,918,336.0	20.4	5,145	2,634,240.0	27.9	12,798	6,552,576.0	23.4	42	21,841
512KB	121	100% Seq 30% Read	480	300	4,348	2,226,176.0	15.0	10,557	5,405,184.0	22.2	14,905	7,631,360.0	20.1	49	25,437
512KB	122	60% Seq 30% Read	480	300	3,907	2,000,384.0	17.0	9,316	4,769,792.0	25.1	13,223	6,770,176.0	22.7	44	22,567
512KB	123	30% Seq 30% Read	480	300	3,645	1,866,240.0	18.8	8,649	4,428,288.0	26.8	12,294	6,294,528.0	24.4	40	20,981
512KB	124	0% Seq 30% Read	480	300	3,645	1,866,240.0	20.2	8,242	4,219,904.0	27.5	11,887	6,086,144.0	25.2	39	20,287
512KB	125	100% Seq 0% Read	480	300	-	-	-	19,316	9,889,792.0	15.5	19,316	9,889,792.0	15.5	64	32,965
512KB	126	60% Seq 0% Read	480	300	-	-	-	12,643	6,473,216.0	23.7	12,643	6,473,216.0	23.7	42	21,577
512KB	127	30% Seq 0% Read	480	300	-	-	-	11,482	5,878,784.0	26.1	11,482	5,878,784.0	26.1	38	19,595
512KB	128	0% Seq 0% Read	480	300	-	-	-	11,130	5,698,560.0	26.9	11,130	5,698,560.0	26.9	37	18,995

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Worker count = 1

1/11/2015

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

STX ST2000LM003 2.5" 5.4K SATA 2TB (External Raw LSI SAS HBA)

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)	STX ST2000LM0 2.5" 5.4K 2TB Avg Resp (R+W)	STX ST2000LM0 2.5" 5.4K 2TB IOP Sec (R+W)	STX ST2000LM003 2.5" 5.4K 2TB SATA KB Sec (R+W)
1024KB	129	100% Seq 100% Read	480	300	32,629	33,412,096	9.19	-	-	-	32,629	33,412,096	9.19	108	111,373
1024KB	130	60% Seq 100% Read	480	300	15,423	15,793,152.0	19.5	-	-	-	15,423	15,793,152.0	19.5	51	52,643
1024KB	131	30% Seq 100% Read	480	300	12,357	12,653,568.0	24.3	-	-	-	12,357	12,653,568.0	24.3	41	42,178
1024KB	132	0% Seq 100% Read	480	300	11,503	11,779,072.0	26.1	-	-	-	11,503	11,779,072.0	26.1	38	39,263
1024KB	133	100% Seq 60% Read	480	300	8,649	8,856,576.0	13.7	5,774	5,912,576.0	31.5	14,423	14,769,152.0	20.8	48	49,230
1024KB	134	60% Seq 60% Read	480	300	6,905	7,070,720.0	20.4	4,615	4,725,760.0	34.5	11,520	11,796,480.0	26.0	38	39,321
1024KB	135	30% Seq 60% Read	480	300	6,185	6,333,440.0	23.6	4,152	4,251,648.0	37.1	10,337	10,585,088.0	29.0	34	35,283
1024KB	136	0% Seq 60% Read	480	300	5,908	6,049,792.0	25.6	3,977	4,072,448.0	37.4	9,885	10,122,240.0	30.3	32	33,740
1024KB	137	100% Seq 30% Read	480	300	3,631	3,718,144.0	20.1	8,590	8,796,160.0	26.4	12,221	12,514,304.0	24.5	40	41,714
1024KB	138	60% Seq 30% Read	480	300	2,915	2,984,960.0	21.8	6,630	6,789,120.0	35.6	9,545	9,774,080.0	31.4	31	32,580
1024KB	139	30% Seq 30% Read	480	300	2,757	2,823,168.0	23.8	6,387	6,540,288.0	36.7	9,144	9,363,456.0	32.8	30	31,211
1024KB	140	0% Seq 30% Read	480	300	2,726	2,791,424.0	25.1	6,301	6,452,224.0	36.7	9,027	9,243,648.0	33.2	30	30,812
1024KB	141	100% Seq 0% Read	480	300	-	-	-	15,040	15,400,960.0	19.9	15,040	15,400,960.0	19.9	50	51,336
1024KB	142	60% Seq 0% Read	480	300	-	-	-	9,357	9,581,568.0	32.1	9,357	9,581,568.0	32.1	31	31,938
1024KB	143	30% Seq 0% Read	480	300	-	-	-	8,429	8,631,296.0	35.6	8,429	8,631,296.0	35.6	28	28,770
1024KB	144	0% Seq 0% Read	480	300	-	-	-	8,286	8,484,864.0	36.2	8,286	8,484,864.0	36.2	27	28,282

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Worker count = 1

1/11/2015

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

STX ST2000LM003 2.5" 5.4K SATA 2TB (External Raw LSI SAS HBA)

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)	STX ST2000LM0 2.5" 5.4K 2TB Avg Resp (R+W)	STX ST2000LM0 2.5" 5.4K 2TB IOP Sec (R+W)	STX ST2000LM003 2.5" 5.4K 2TB SATA KB Sec (R+W)
2048KB	145	100% Seq 100% Read	480	300	16,281	33,343,488	18.42	-	-	-	16,281	33,343,488	18.42	54	111,144
2048KB	146	60% Seq 100% Read	480	300	10,148	20,783,104.0	29.6	-	-	-	10,148	20,783,104.0	29.6	33	69,277
2048KB	147	30% Seq 100% Read	480	300	9,116	18,669,568.0	32.9	-	-	-	9,116	18,669,568.0	32.9	30	62,231
2048KB	148	0% Seq 100% Read	480	300	8,485	17,377,280.0	35.4	-	-	-	8,485	17,377,280.0	35.4	28	57,924
2048KB	149	100% Seq 60% Read	480	300	5,564	11,395,072.0	20.7	3,778	7,737,344.0	48.9	9,342	19,132,416.0	32.1	31	63,774
2048KB	150	60% Seq 60% Read	480	300	4,726	9,678,848.0	28.4	3,197	6,547,456.0	51.8	7,923	16,226,304.0	37.9	26	54,087
2048KB	151	30% Seq 60% Read	480	300	4,210	8,622,080.0	34.2	2,908	5,955,584.0	53.7	7,118	14,577,664.0	42.1	23	48,592
2048KB	152	0% Seq 60% Read	480	300	4,116	8,429,568.0	34.9	2,801	5,736,448.0	55.8	6,917	14,166,016.0	43.4	23	47,220
2048KB	153	100% Seq 30% Read	480	300	2,813	5,761,024.0	25.7	6,474	13,258,752.0	35.2	9,287	19,019,776.0	32.3	30	63,399
2048KB	154	60% Seq 30% Read	480	300	2,080	4,259,840.0	28.6	4,977	10,192,896.0	48.3	7,057	14,452,736.0	42.5	23	48,175
2048KB	155	30% Seq 30% Read	480	300	1,989	4,073,472.0	32.3	4,405	9,021,440.0	53.5	6,394	13,094,912.0	46.9	21	43,649
2048KB	156	0% Seq 30% Read	480	300	1,838	3,764,224.0	34.8	4,301	8,808,448.0	54.9	6,139	12,572,672.0	48.9	20	41,908
2048KB	157	100% Seq 0% Read	480	300	-	-	-	10,171	20,830,208.0	29.5	10,171	20,830,208.0	29.5	33	69,434
2048KB	158	60% Seq 0% Read	480	300	-	-	-	6,283	12,867,584.0	47.7	6,283	12,867,584.0	47.7	20	42,891
2048KB	159	30% Seq 0% Read	480	300	-	-	-	5,700	11,673,600.0	52.6	5,700	11,673,600.0	52.6	19	38,912
2048KB	160	0% Seq 0% Read	480	300	-	-	-	5,523	11,311,104.0	54.3	5,523	11,311,104.0	54.3	18	37,703