

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 ST6000NM0034 3.5" 7.2K 6TB SAS (Extern 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 ST6000NM0 12Gb SAS 6TB Avg Resp (R+W)	STX ST6000NM 12Gb SAS 6TB IOP Sec (R+W)	STX STX ST6000NM003 12Gb SAS 6TB 12Gb SAS 6TB KB Sec (R+W)
4KB	1	100% Seq 100% Read	480	300	15,005,088	60,020,352	0.02	-	-	-	15,005,088	60,020,352	0.02	50,016	200,067
4KB	2	60% Seq 100% Read	480	300	88,423	353,692.0	3.4	-	-	-	88,423	353,692.0	3.4	294	1,178
4KB	3	30% Seq 100% Read	480	300	52,503	210,012.0	5.7	-	-	-	52,503	210,012.0	5.7	175	700
4KB	4	0% Seq 100% Read	480	300	37,265	149,060.0	8.1	-	-	-	37,265	149,060.0	8.1	124	496
4KB	5	100% Seq 60% Read	480	300	51,405	205,620.0	-	34,662	138,648.0	8.6	86,067	344,268.0	3.5	286	1,147
4KB	6	60% Seq 60% Read	480	300	30,876	123,504.0	3.3	20,632	82,528.0	9.5	51,508	206,032.0	5.8	171	686
4KB	7	30% Seq 60% Read	480	300	24,594	98,376.0	5.7	16,613	66,452.0	9.6	41,207	164,828.0	7.3	137	549
4KB	8	0% Seq 60% Read	480	300	21,037	84,148.0	8.1	13,872	55,488.0	9.4	34,909	139,636.0	8.6	116	465
4KB	9	100% Seq 30% Read	480	300	14,735	58,940.0	0.0	34,532	138,128.0	8.7	49,267	197,068.0	6.1	164	656
4KB	10	60% Seq 30% Read	480	300	11,938	47,752.0	3.3	27,870	111,480.0	9.4	39,808	159,232.0	7.5	132	530
4KB	11	30% Seq 30% Read	480	300	11,100	44,400.0	5.7	25,641	102,564.0	9.2	36,741	146,964.0	8.2	122	489
4KB	12	0% Seq 30% Read	480	300	9,922	39,688.0	8.0	23,415	93,660.0	9.4	33,337	133,348.0	9.0	111	444
4KB	13	100% Seq 0% Read	480	300	-	-	-	35,126	140,504.0	8.5	35,126	140,504.0	8.5	117	468
4KB	14	60% Seq 0% Read	480	300	-	-	-	32,475	129,900.0	9.2	32,475	129,900.0	9.2	108	433
4KB	15	30% Seq 0% Read	480	300	-	-	-	32,130	128,520.0	9.3	32,130	128,520.0	9.3	107	428
4KB	16	0% Seq 0% Read	480	300	-	-	-	32,154	128,616.0	9.3	32,154	128,616.0	9.3	107	428

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STX ST6000NM0034 3.5" 7.2K 6TB 12Gb SAS (Extern 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 ST6000NM0 12Gb SAS 6TB Avg Resp (R+W)	STX ST6000NM 12Gb SAS 6TB IOP Sec (R+W)	STX STX ST6000NM003 12Gb SAS 6TB 12Gb SAS 6TB KB Sec (R+W)
8KB	17	100% Seq 100% Read	480	300	7,767,072	62,136,576	0.04	-	-	-	7,767,072	62,136,576	0.04	25,890	207,121
8KB	18	60% Seq 100% Read	480	300	86,194	689,552.0	3.5	-	-	-	86,194	689,552.0	3.5	287	2,298
8KB	19	30% Seq 100% Read	480	300	51,475	411,800.0	5.8	-	-	-	51,475	411,800.0	5.8	171	1,372
8KB	20	0% Seq 100% Read	480	300	37,085	296,680.0	8.1	-	-	-	37,085	296,680.0	8.1	123	988
8KB	21	100% Seq 60% Read	480	300	50,540	404,320.0	0.0	33,920	271,360.0	8.8	84,460	675,680.0	3.6	281	2,252
8KB	22	60% Seq 60% Read	480	300	31,007	248,056.0	3.3	20,601	164,808.0	9.6	51,608	412,864.0	5.8	172	1,376
8KB	23	30% Seq 60% Read	480	300	24,814	198,512.0	5.7	16,614	132,912.0	9.5	41,428	331,424.0	7.2	138	1,104
8KB	24	0% Seq 60% Read	480	300	20,879	167,032.0	8.1	13,964	111,712.0	9.4	34,843	278,744.0	8.6	116	929
8KB	25	100% Seq 30% Read	480	300	14,821	118,568.0	0.0	34,838	278,704.0	8.6	49,659	397,272.0	6.0	165	1,324
8KB	26	60% Seq 30% Read	480	300	11,699	93,592.0	3.4	27,731	221,848.0	9.4	39,430	315,440.0	7.6	131	1,051
8KB	27	30% Seq 30% Read	480	300	10,684	85,472.0	5.8	25,116	200,928.0	9.5	35,800	286,400.0	8.4	119	954
8KB	28	0% Seq 30% Read	480	300	10,010	80,080.0	8.1	23,306	186,448.0	9.4	33,316	266,528.0	9.0	111	888
8KB	29	100% Seq 0% Read	480	300	-	-	-	35,114	280,912.0	8.5	35,114	280,912.0	8.5	117	936
8KB	30	60% Seq 0% Read	480	300	-	-	-	32,325	258,600.0	9.3	32,325	258,600.0	9.3	107	862
8KB	31	30% Seq 0% Read	480	300	-	-	-	32,033	256,264.0	9.4	32,033	256,264.0	9.4	106	854
8KB	32	0% Seq 0% Read	480	300	-	-	-	32,091	256,728.0	9.3	32,091	256,728.0	9.3	106	855

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STX ST6000NM0034 3.5" 7.2K 6TB 12Gb SAS (Extern 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 ST6000NM0 12Gb SAS 6TB Avg Resp (R+W)	STX ST6000NM 12Gb SAS 6TB IOP Sec (R+W)	STX STX ST6000NM003 12Gb SAS 6TB 12Gb SAS 6TB KB Sec (R+W)
16KB	33	100% Seq 100% Read	480	300	3,925,440	62,807,040	0.08	-	-	-	3,925,440	62,807,040	0.08	13,084	209,356
16KB	34	60% Seq 100% Read	480	300	83,821	1,341,136.0	3.6	-	-	-	83,821	1,341,136.0	3.6	279	4,470
16KB	35	30% Seq 100% Read	480	300	49,837	797,392.0	6.0	-	-	-	49,837	797,392.0	6.0	166	2,657
16KB	36	0% Seq 100% Read	480	300	36,799	588,784.0	8.2	-	-	-	36,799	588,784.0	8.2	122	1,962
16KB	37	100% Seq 60% Read	480	300	48,461	775,376.0	0.0	32,737	523,792.0	9.1	81,198	1,299,168.0	3.7	270	4,330
16KB	38	60% Seq 60% Read	480	300	30,665	490,640.0	3.3	20,503	328,048.0	9.7	51,168	818,688.0	5.9	170	2,728
16KB	39	30% Seq 60% Read	480	300	24,649	394,384.0	5.8	16,327	261,232.0	9.6	40,976	655,616.0	7.3	136	2,185
16KB	40	0% Seq 60% Read	480	300	20,710	331,360.0	8.1	13,901	222,416.0	9.5	34,611	553,776.0	8.7	115	1,845
16KB	41	100% Seq 30% Read	480	300	14,638	234,208.0	0.0	34,373	549,968.0	8.7	49,011	784,176.0	6.1	163	2,613
16KB	42	60% Seq 30% Read	480	300	11,994	191,904.0	3.4	27,820	445,120.0	9.3	39,814	637,024.0	7.5	132	2,123
16KB	43	30% Seq 30% Read	480	300	10,504	168,064.0	5.8	24,957	399,312.0	9.6	35,461	567,376.0	8.5	118	1,891
16KB	44	0% Seq 30% Read	480	300	10,117	161,872.0	8.1	22,998	367,968.0	9.5	33,115	529,840.0	9.1	110	1,766
16KB	45	100% Seq 0% Read	480	300	-	-	-	34,872	557,952.0	8.6	34,872	557,952.0	8.6	116	1,859
16KB	46	60% Seq 0% Read	480	300	-	-	-	32,408	518,528.0	9.3	32,408	518,528.0	9.3	108	1,728
16KB	47	30% Seq 0% Read	480	300	-	-	-	32,128	514,048.0	9.3	32,128	514,048.0	9.3	107	1,713
16KB	48	0% Seq 0% Read	480	300	-	-	-	31,887	510,192.0	9.4	31,887	510,192.0	9.4	106	1,700

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STX ST6000NM0034 3.5" 7.2K 6TB 12Gb SAS (Extern 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 ST6000NM0 12Gb SAS 6TB Avg Resp (R+W)	STX ST6000NM 12Gb SAS 6TB IOP Sec (R+W)	STX STX ST6000NM003 12Gb SAS 6TB 12Gb SAS 6TB KB Sec (R+W)
32KB	49	100% Seq 100% Read	480	300	1,988,420	63,629,440	0.15	-	-	-	1,988,420	63,629,440	0.15	6,628	212,098
32KB	50	60% Seq 100% Read	480	300	76,326	2,442,432.0	3.9	-	-	-	76,326	2,442,432.0	3.9	254	8,141
32KB	51	30% Seq 100% Read	480	300	48,459	1,550,688.0	6.2	-	-	-	48,459	1,550,688.0	6.2	161	5,168
32KB	52	0% Seq 100% Read	480	300	36,436	1,165,952.0	8.2	-	-	-	36,436	1,165,952.0	8.2	121	3,886
32KB	53	100% Seq 60% Read	480	300	46,021	1,472,672.0	0.1	30,874	987,968.0	9.6	76,895	2,460,640.0	3.9	256	8,202
32KB	54	60% Seq 60% Read	480	300	29,115	931,680.0	3.5	19,412	621,184.0	10.2	48,527	1,552,864.0	6.2	161	5,176
32KB	55	30% Seq 60% Read	480	300	23,613	755,616.0	6.0	15,861	507,552.0	10.0	39,474	1,263,168.0	7.6	131	4,210
32KB	56	0% Seq 60% Read	480	300	20,742	663,744.0	8.2	13,605	435,360.0	9.6	34,347	1,099,104.0	8.7	114	3,663
32KB	57	100% Seq 30% Read	480	300	14,217	454,944.0	0.0	33,308	1,065,856.0	9.0	47,525	1,520,800.0	6.3	158	5,069
32KB	58	60% Seq 30% Read	480	300	11,790	377,280.0	3.3	27,454	878,528.0	9.5	39,244	1,255,808.0	7.6	130	4,186
32KB	59	30% Seq 30% Read	480	300	10,495	335,840.0	5.8	24,590	786,880.0	9.7	35,085	1,122,720.0	8.6	116	3,742
32KB	60	0% Seq 30% Read	480	300	9,804	313,728.0	8.2	23,005	736,160.0	9.5	32,809	1,049,888.0	9.1	109	3,499
32KB	61	100% Seq 0% Read	480	300	-	-	-	34,898	1,116,736.0	8.6	34,898	1,116,736.0	8.6	116	3,722
32KB	62	60% Seq 0% Read	480	300	-	-	-	32,657	1,045,024.0	9.2	32,657	1,045,024.0	9.2	108	3,483
32KB	63	30% Seq 0% Read	480	300	-	-	-	32,121	1,027,872.0	9.3	32,121	1,027,872.0	9.3	107	3,426
32KB	64	0% Seq 0% Read	480	300	-	-	-	31,484	1,007,488.0	9.5	31,484	1,007,488.0	9.5	104	3,358

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STX ST6000NM0034 3.5" 7.2K 6TB 12Gb SAS (Extern 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 ST6000NM0 12Gb SAS 6TB Avg Resp (R+W)	STX ST6000NM 12Gb SAS 6TB IOP Sec (R+W)	STX STX ST6000NM003 12Gb SAS 6TB 12Gb SAS 6TB KB Sec (R+W)
64KB	65	100% Seq 100% Read	480	300	998,732	63,918,848	0.3	-	-	-	998,732	63,918,848	0.3	3,329	213,062
64KB	66	60% Seq 100% Read	480	300	67,302	4,307,328.0	4.5	-	-	-	67,302	4,307,328.0	4.5	224	14,357
64KB	67	30% Seq 100% Read	480	300	46,158	2,954,112.0	6.5	-	-	-	46,158	2,954,112.0	6.5	153	9,847
64KB	68	0% Seq 100% Read	480	300	35,913	2,298,432.0	8.4	-	-	-	35,913	2,298,432.0	8.4	119	7,661
64KB	69	100% Seq 60% Read	480	300	42,085	2,693,440.0	0.5	27,673	1,771,072.0	10.1	69,758	4,464,512.0	4.3	232	14,881
64KB	70	60% Seq 60% Read	480	300	28,011	1,792,704.0	3.7	18,235	1,167,040.0	10.7	46,246	2,959,744.0	6.5	154	9,865
64KB	71	30% Seq 60% Read	480	300	22,845	1,462,080.0	6.1	15,150	969,600.0	10.6	37,995	2,431,680.0	7.9	126	8,105
64KB	72	0% Seq 60% Read	480	300	20,110	1,287,040.0	8.4	13,438	860,032.0	9.8	33,548	2,147,072.0	8.9	111	7,156
64KB	73	100% Seq 30% Read	480	300	13,748	879,872.0	0.2	31,993	2,047,552.0	9.3	45,741	2,927,424.0	6.6	152	9,758
64KB	74	60% Seq 30% Read	480	300	11,239	719,296.0	3.4	26,365	1,687,360.0	9.9	37,604	2,406,656.0	8.0	125	8,022
64KB	75	30% Seq 30% Read	480	300	9,893	633,152.0	6.1	23,283	1,490,112.0	10.3	33,176	2,123,264.0	9.0	110	7,077
64KB	76	0% Seq 30% Read	480	300	9,711	621,504.0	8.3	22,391	1,433,024.0	9.8	32,102	2,054,528.0	9.3	107	6,848
64KB	77	100% Seq 0% Read	480	300	-	-	-	34,333	2,197,312.0	8.7	34,333	2,197,312.0	8.7	114	7,324
64KB	78	60% Seq 0% Read	480	300	-	-	-	32,375	2,072,000.0	9.3	32,375	2,072,000.0	9.3	107	6,906
64KB	79	30% Seq 0% Read	480	300	-	-	-	30,429	1,947,456.0	9.9	30,429	1,947,456.0	9.9	101	6,491
64KB	80	0% Seq 0% Read	480	300	-	-	-	30,774	1,969,536.0	9.7	30,774	1,969,536.0	9.7	102	6,565

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STX ST6000NM0034 3.5" 7.2K 6TB 12Gb SAS (Extern 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 ST6000NM0 12Gb SAS 6TB Avg Resp (R+W)	STX ST6000NM 12Gb SAS 6TB IOP Sec (R+W)	STX STX ST6000NM003 12Gb SAS 6TB 12Gb SAS 6TB KB Sec (R+W)
128KB	81	100% Seq 100% Read	480	300	497,035	63,620,480	0.6	-	-	-	497,035	63,620,480	0.6	1,656	212,068
128KB	82	60% Seq 100% Read	480	300	57,558	7,367,424.0	5.2	-	-	-	57,558	7,367,424.0	5.2	191	24,558
128KB	83	30% Seq 100% Read	480	300	41,630	5,328,640.0	7.2	-	-	-	41,630	5,328,640.0	7.2	138	17,762
128KB	84	0% Seq 100% Read	480	300	34,723	4,444,544.0	8.6	-	-	-	34,723	4,444,544.0	8.6	115	14,815
128KB	85	100% Seq 60% Read	480	300	35,638	4,561,664.0	1.3	23,883	3,057,024.0	10.6	59,521	7,618,688.0	5.0	198	25,395
128KB	86	60% Seq 60% Read	480	300	24,859	3,181,952.0	4.4	16,629	2,128,512.0	11.4	41,488	5,310,464.0	7.2	138	17,701
128KB	87	30% Seq 60% Read	480	300	21,167	2,709,376.0	6.6	14,113	1,806,464.0	11.3	35,280	4,515,840.0	8.5	117	15,052
128KB	88	0% Seq 60% Read	480	300	19,236	2,462,208.0	8.6	12,991	1,662,848.0	10.3	32,227	4,125,056.0	9.3	107	13,750
128KB	89	100% Seq 30% Read	480	300	12,930	1,655,040.0	0.7	29,929	3,830,912.0	9.7	42,859	5,485,952.0	7.0	142	18,286
128KB	90	60% Seq 30% Read	480	300	10,349	1,324,672.0	4.0	24,447	3,129,216.0	10.6	34,796	4,453,888.0	8.6	115	14,846
128KB	91	30% Seq 30% Read	480	300	9,737	1,246,336.0	6.3	22,758	2,913,024.0	10.5	32,495	4,159,360.0	9.2	108	13,864
128KB	92	0% Seq 30% Read	480	300	9,039	1,156,992.0	8.7	21,554	2,758,912.0	10.3	30,593	3,915,904.0	9.8	101	13,053
128KB	93	100% Seq 0% Read	480	300	-	-	-	33,229	4,253,312.0	9.0	33,229	4,253,312.0	9.0	110	14,177
128KB	94	60% Seq 0% Read	480	300	-	-	-	30,844	3,948,032.0	9.7	30,844	3,948,032.0	9.7	102	13,160
128KB	95	30% Seq 0% Read	480	300	-	-	-	29,906	3,827,968.0	10.0	29,906	3,827,968.0	10.0	99	12,759
128KB	96	0% Seq 0% Read	480	300	-	-	-	29,345	3,756,160.0	10.2	29,345	3,756,160.0	10.2	97	12,520

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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)	STX ST6000NM0 12Gb SAS 6TB Avg Resp (R+W)	STX ST6000NM 12Gb SAS 6TB IOP Sec (R+W)	STX STX ST6000NM003 12Gb SAS 6TB 12Gb SAS 6TB KB Sec (R+W)
256KB	97	100% Seq 100% Read	480	300	249,677	63,917,312	1.2	-	-	-	249,677	63,917,312	1.2	832	213,057
256KB	98	60% Seq 100% Read	480	300	45,050	11,532,800.0	6.7	-	-	-	45,050	11,532,800.0	6.7	150	38,442
256KB	99	30% Seq 100% Read	480	300	34,986	8,956,416.0	8.6	-	-	-	34,986	8,956,416.0	8.6	116	29,854
256KB	100	0% Seq 100% Read	480	300	31,623	8,095,488.0	9.5	-	-	-	31,623	8,095,488.0	9.5	105	26,984
256KB	101	100% Seq 60% Read	480	300	28,767	7,364,352.0	2.5	19,221	4,920,576.0	11.8	47,988	12,284,928.0	6.3	159	40,949
256KB	102	60% Seq 60% Read	480	300	21,741	5,565,696.0	5.9	14,607	3,739,392.0	11.8	36,348	9,305,088.0	8.3	121	31,016
256KB	103	30% Seq 60% Read	480	300	18,839	4,822,784.0	7.9	12,477	3,194,112.0	12.1	31,316	8,016,896.0	9.6	104	26,722
256KB	104	0% Seq 60% Read	480	300	17,389	4,451,584.0	9.5	11,566	2,960,896.0	11.7	28,955	7,412,480.0	10.4	96	24,708
256KB	105	100% Seq 30% Read	480	300	10,898	2,789,888.0	2.3	25,342	6,487,552.0	10.8	36,240	9,277,440.0	8.3	120	30,924
256KB	106	60% Seq 30% Read	480	300	9,333	2,389,248.0	5.3	21,816	5,584,896.0	11.5	31,149	7,974,144.0	9.6	103	26,580
256KB	107	30% Seq 30% Read	480	300	8,589	2,198,784.0	7.5	20,231	5,179,136.0	11.6	28,820	7,377,920.0	10.4	96	24,593
256KB	108	0% Seq 30% Read	480	300	8,318	2,129,408.0	9.4	19,394	4,964,864.0	11.4	27,712	7,094,272.0	10.8	92	23,647
256KB	109	100% Seq 0% Read	480	300	-	-	-	30,989	7,933,184.0	9.7	30,989	7,933,184.0	9.7	103	26,443
256KB	110	60% Seq 0% Read	480	300	-	-	-	29,389	7,523,584.0	10.2	29,389	7,523,584.0	10.2	97	25,078
256KB	111	30% Seq 0% Read	480	300	-	-	-	27,312	6,991,872.0	11.0	27,312	6,991,872.0	11.0	91	23,306
256KB	112	0% Seq 0% Read	480	300	-	-	-	26,926	6,893,056.0	11.1	26,926	6,893,056.0	11.1	89	22,976

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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 ST6000NM0034 3.5" 7.2K 6TB 12Gb SAS (Extern 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 ST6000NM0 12Gb SAS 6TB Avg Resp (R+W)	STX ST6000NM 12Gb SAS 6TB IOP Sec (R+W)	STX STX ST6000NM003 12Gb SAS 6TB 12Gb SAS 6TB KB Sec (R+W)
512KB	113	100% Seq 100% Read	480	300	124,695	63,843,840	2.4	-	-	-	124,695	63,843,840	2.4	415	212,812
512KB	114	60% Seq 100% Read	480	300	36,656	18,767,872.0	8.2	-	-	-	36,656	18,767,872.0	8.2	122	62,559
512KB	115	30% Seq 100% Read	480	300	29,389	15,047,168.0	10.2	-	-	-	29,389	15,047,168.0	10.2	97	50,157
512KB	116	0% Seq 100% Read	480	300	27,366	14,011,392.0	11.0	-	-	-	27,366	14,011,392.0	11.0	91	46,704
512KB	117	100% Seq 60% Read	480	300	23,465	12,014,080.0	4.3	15,356	7,862,272.0	13.0	38,821	19,876,352.0	7.7	129	66,254
512KB	118	60% Seq 60% Read	480	300	16,986	8,696,832.0	8.3	11,277	5,773,824.0	14.2	28,263	14,470,656.0	10.6	94	48,235
512KB	119	30% Seq 60% Read	480	300	15,910	8,145,920.0	9.6	10,673	5,464,576.0	13.8	26,583	13,610,496.0	11.3	88	45,368
512KB	120	0% Seq 60% Read	480	300	15,178	7,771,136.0	10.7	10,118	5,180,416.0	13.5	25,296	12,951,552.0	11.9	84	43,171
512KB	121	100% Seq 30% Read	480	300	9,098	4,658,176.0	4.7	20,974	10,738,688.0	12.3	30,072	15,396,864.0	10.0	100	51,322
512KB	122	60% Seq 30% Read	480	300	7,983	4,087,296.0	7.3	18,408	9,424,896.0	13.1	26,391	13,512,192.0	11.4	87	45,040
512KB	123	30% Seq 30% Read	480	300	7,341	3,758,592.0	9.2	17,057	8,733,184.0	13.6	24,398	12,491,776.0	12.3	81	41,639
512KB	124	0% Seq 30% Read	480	300	7,163	3,667,456.0	10.6	16,848	8,626,176.0	13.3	24,011	12,293,632.0	12.5	80	40,978
512KB	125	100% Seq 0% Read	480	300	-	-	-	27,606	14,134,272.0	10.9	27,606	14,134,272.0	10.9	92	47,114
512KB	126	60% Seq 0% Read	480	300	-	-	-	24,418	12,502,016.0	12.3	24,418	12,502,016.0	12.3	81	41,673
512KB	127	30% Seq 0% Read	480	300	-	-	-	22,952	11,751,424.0	13.1	22,952	11,751,424.0	13.1	76	39,171
512KB	128	0% Seq 0% Read	480	300	-	-	-	22,992	11,771,904.0	13.0	22,992	11,771,904.0	13.0	76	39,239



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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 ST6000NM0034 3.5" 7.2K 6TB 12Gb SAS (Extern 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 ST6000NM0 12Gb SAS 6TB Avg Resp (R+W)	STX ST6000NM 12Gb SAS 6TB IOP Sec (R+W)	STX STX ST6000NM003 12Gb SAS 6TB 12Gb SAS 6TB KB Sec (R+W)
1024KB	129	100% Seq 100% Read	480	300	61,981	63,468,544	4.84	-	-	-	61,981	63,468,544	4.84	206	211,561
1024KB	130	60% Seq 100% Read	480	300	25,886	26,507,264.0	11.6	-	-	-	25,886	26,507,264.0	11.6	86	88,357
1024KB	131	30% Seq 100% Read	480	300	18,847	19,299,328.0	15.9	-	-	-	18,847	19,299,328.0	15.9	62	64,331
1024KB	132	0% Seq 100% Read	480	300	17,060	17,469,440.0	17.6	-	-	-	17,060	17,469,440.0	17.6	56	58,231
1024KB	133	100% Seq 60% Read	480	300	17,463	17,882,112.0	6.5	11,494	11,769,856.0	16.2	28,957	29,651,968.0	10.4	96	98,839
1024KB	134	60% Seq 60% Read	480	300	13,394	13,715,456.0	11.1	8,945	9,159,680.0	17.0	22,339	22,875,136.0	13.4	74	76,250
1024KB	135	30% Seq 60% Read	480	300	11,942	12,228,608.0	13.7	7,844	8,032,256.0	17.4	19,786	20,260,864.0	15.2	65	67,536
1024KB	136	0% Seq 60% Read	480	300	10,971	11,234,304.0	15.8	7,264	7,438,336.0	17.5	18,235	18,672,640.0	16.5	60	62,242
1024KB	137	100% Seq 30% Read	480	300	6,668	6,828,032.0	8.2	16,040	16,424,960.0	15.3	22,708	23,252,992.0	13.2	75	77,509
1024KB	138	60% Seq 30% Read	480	300	6,253	6,403,072.0	10.3	14,308	14,651,392.0	16.5	20,561	21,054,464.0	14.6	68	70,181
1024KB	139	30% Seq 30% Read	480	300	5,626	5,761,024.0	12.9	13,097	13,411,328.0	17.4	18,723	19,172,352.0	16.0	62	63,907
1024KB	140	0% Seq 30% Read	480	300	5,543	5,676,032.0	14.4	12,836	13,144,064.0	17.1	18,379	18,820,096.0	16.3	61	62,733
1024KB	141	100% Seq 0% Read	480	300	-	-	-	22,435	22,973,440.0	13.4	22,435	22,973,440.0	13.4	74	76,578
1024KB	142	60% Seq 0% Read	480	300	-	-	-	19,021	19,477,504.0	15.8	19,021	19,477,504.0	15.8	63	64,925
1024KB	143	30% Seq 0% Read	480	300	-	-	-	17,899	18,328,576.0	16.8	17,899	18,328,576.0	16.8	59	61,095
1024KB	144	0% Seq 0% Read	480	300	-	-	-	17,816	18,243,584.0	16.8	17,816	18,243,584.0	16.8	59	60,811

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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 ST6000NM0034 3.5" 7.2K 6TB 12Gb SAS (Extern 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 ST6000NM0 12Gb SAS 6TB Avg Resp (R+W)	STX ST6000NM 12Gb SAS 6TB IOP Sec (R+W)	STX STX ST6000NM003 12Gb SAS 6TB 12Gb SAS 6TB KB Sec (R+W)
2048KB	145	100% Seq 100% Read	480	300	31,608	64,733,184	9.49	-	-	-	31,608	64,733,184	9.49	105	215,777
2048KB	146	60% Seq 100% Read	480	300	18,328	37,535,744.0	16.4	-	-	-	18,328	37,535,744.0	16.4	61	125,119
2048KB	147	30% Seq 100% Read	480	300	15,185	31,098,880.0	19.8	-	-	-	15,185	31,098,880.0	19.8	50	103,662
2048KB	148	0% Seq 100% Read	480	300	13,392	27,426,816.0	22.4	-	-	-	13,392	27,426,816.0	22.4	44	91,422
2048KB	149	100% Seq 60% Read	480	300	11,407	23,361,536.0	11.7	7,430	15,216,640.0	22.4	18,837	38,578,176.0	15.9	62	128,593
2048KB	150	60% Seq 60% Read	480	300	9,423	19,298,304.0	16.1	6,217	12,732,416.0	23.9	15,640	32,030,720.0	19.2	52	106,769
2048KB	151	30% Seq 60% Read	480	300	8,501	17,410,048.0	19.2	5,526	11,317,248.0	24.7	14,027	28,727,296.0	21.4	46	95,757
2048KB	152	0% Seq 60% Read	480	300	8,130	16,650,240.0	20.5	5,362	10,981,376.0	24.8	13,492	27,631,616.0	22.2	44	92,105
2048KB	153	100% Seq 30% Read	480	300	4,916	10,067,968.0	13.4	11,424	23,396,352.0	20.5	16,340	33,464,320.0	18.4	54	111,547
2048KB	154	60% Seq 30% Read	480	300	4,344	8,896,512.0	15.8	10,007	20,494,336.0	23.1	14,351	29,390,848.0	20.9	47	97,969
2048KB	155	30% Seq 30% Read	480	300	3,980	8,151,040.0	18.1	9,259	18,962,432.0	24.6	13,239	27,113,472.0	22.7	44	90,378
2048KB	156	0% Seq 30% Read	480	300	3,987	8,165,376.0	19.2	9,077	18,589,696.0	24.6	13,064	26,755,072.0	23.0	43	89,183
2048KB	157	100% Seq 0% Read	480	300	-	-	-	16,294	33,370,112.0	18.4	16,294	33,370,112.0	18.4	54	111,233
2048KB	158	60% Seq 0% Read	480	300	-	-	-	13,547	27,744,256.0	22.1	13,547	27,744,256.0	22.1	45	92,480
2048KB	159	30% Seq 0% Read	480	300	-	-	-	12,596	25,796,608.0	23.8	12,596	25,796,608.0	23.8	41	85,988
2048KB	160	0% Seq 0% Read	480	300	-	-	-	12,253	25,094,144.0	24.5	12,253	25,094,144.0	24.5	40	83,647