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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 ST400FM0073 Ent. 1200 12Gbs SAS SSD 400GB 2.5" (External Raw 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 ST400FM00 SSD 2.5" 400GB Avg Resp (R+W)	STX ST400FM00 SSD 2.5" 400GB IOP Sec (R+W)	STX ST400FM00 12Gb SAS SSD 2.5" 400GB KB Sec (R+W)
4KB	1	100% Seq 100% Read	480	300	29,043,584	116,174,336	0.01	-	-	-	29,043,584	116,174,336	0.01	96,811	387,247
4KB	2	60% Seq 100% Read	480	300	4,884,357	19,537,428.0	0.1	-	-	-	4,884,357	19,537,428.0	0.1	16,281	65,124
4KB	3	30% Seq 100% Read	480	300	2,972,743	11,890,972.0	0.1	-	-	-	2,972,743	11,890,972.0	0.1	9,909	39,636
4KB	4	0% Seq 100% Read	480	300	2,177,460	8,709,840.0	0.1	-	-	-	2,177,460	8,709,840.0	0.1	7,258	29,032
4KB	5	100% Seq 60% Read	480	300	2,366,858	9,467,432.0	-	1,575,902	6,303,608.0	0.2	3,942,760	15,771,040.0	0.1	13,142	52,570
4KB	6	60% Seq 60% Read	480	300	1,642,637	6,570,548.0	0.1	1,096,129	4,384,516.0	0.2	2,738,766	10,955,064.0	0.1	9,129	36,516
4KB	7	30% Seq 60% Read	480	300	1,344,815	5,379,260.0	0.1	895,051	3,580,204.0	0.2	2,239,866	8,959,464.0	0.1	7,466	29,864
4KB	8	0% Seq 60% Read	480	300	1,145,268	4,581,072.0	0.2	763,444	3,053,776.0	0.2	1,908,712	7,634,848.0	0.2	6,362	25,449
4KB	9	100% Seq 30% Read	480	300	788,115	3,152,460.0	-	1,838,729	7,354,916.0	0.2	2,626,844	10,507,376.0	0.1	8,756	35,024
4KB	10	60% Seq 30% Read	480	300	671,303	2,685,212.0	0.1	1,566,361	6,265,444.0	0.2	2,237,664	8,950,656.0	0.1	7,458	29,835
4KB	11	30% Seq 30% Read	480	300	617,995	2,471,980.0	0.1	1,441,545	5,766,180.0	0.2	2,059,540	8,238,160.0	0.1	6,865	27,460
4KB	12	0% Seq 30% Read	480	300	561,951	2,247,804.0	0.2	1,311,978	5,247,912.0	0.2	1,873,929	7,495,716.0	0.2	6,246	24,985
4KB	13	100% Seq 0% Read	480	300	-	-	-	1,998,581	7,994,324.0	0.2	1,998,581	7,994,324.0	0.2	6,661	26,647
4KB	14	60% Seq 0% Read	480	300	-	-	-	1,974,601	7,898,404.0	0.2	1,974,601	7,898,404.0	0.2	6,582	26,328
4KB	15	30% Seq 0% Read	480	300	-	-	-	1,975,018	7,900,072.0	0.2	1,975,018	7,900,072.0	0.2	6,583	26,333
4KB	16	0% Seq 0% Read	480	300	-	-	-	1,976,663	7,906,652.0	0.2	1,976,663	7,906,652.0	0.2	6,588	26,355

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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 ST400FM0073 Ent. 1200 12Gbs SAS SSD 400GB 2.5" (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 ST400FM00 SSD 2.5" 400GB Avg Resp (R+W)	STX ST400FM00 SSD 2.5" 400GB IOP Sec (R+W)	STX ST400FM00 12Gb SAS SSD 2.5" 400GB KB Sec (R+W)
8KB	17	100% Seq 100% Read	480	300	15,987,696	127,901,568	0.02	-	-	-	15,987,696	127,901,568	0.02	53,292	426,338
8KB	18	60% Seq 100% Read	480	300	3,287,194	26,297,552.0	0.1	-	-	-	3,287,194	26,297,552.0	0.1	10,957	87,658
8KB	19	30% Seq 100% Read	480	300	2,025,469	16,203,752.0	0.2	-	-	-	2,025,469	16,203,752.0	0.2	6,751	54,012
8KB	20	0% Seq 100% Read	480	300	1,466,694	11,733,552.0	0.2	-	-	-	1,466,694	11,733,552.0	0.2	4,888	39,111
8KB	21	100% Seq 60% Read	480	300	1,798,626	14,389,008.0	-	1,198,705	9,589,640.0	0.2	2,997,331	23,978,648.0	0.1	9,991	79,928
8KB	22	60% Seq 60% Read	480	300	1,269,130	10,153,040.0	0.1	845,378	6,763,024.0	0.2	2,114,508	16,916,064.0	0.1	7,048	56,386
8KB	23	30% Seq 60% Read	480	300	1,001,013	8,008,104.0	0.2	667,220	5,337,760.0	0.2	1,668,233	13,345,864.0	0.2	5,560	44,486
8KB	24	0% Seq 60% Read	480	300	847,403	6,779,224.0	0.2	563,869	4,510,952.0	0.2	1,411,272	11,290,176.0	0.2	4,704	37,633
8KB	25	100% Seq 30% Read	480	300	678,411	5,427,288.0	-	1,583,445	12,667,560.0	0.2	2,261,856	18,094,848.0	0.1	7,539	60,316
8KB	26	60% Seq 30% Read	480	300	561,808	4,494,464.0	0.1	1,309,316	10,474,528.0	0.2	1,871,124	14,968,992.0	0.2	6,237	49,896
8KB	27	30% Seq 30% Read	480	300	504,121	4,032,968.0	0.2	1,178,908	9,431,264.0	0.2	1,683,029	13,464,232.0	0.2	5,610	44,880
8KB	28	0% Seq 30% Read	480	300	453,882	3,631,056.0	0.3	1,058,118	8,464,944.0	0.2	1,512,000	12,096,000.0	0.2	5,040	40,320
8KB	29	100% Seq 0% Read	480	300	-	-	-	1,911,405	15,291,240.0	0.2	1,911,405	15,291,240.0	0.2	6,371	50,970
8KB	30	60% Seq 0% Read	480	300	-	-	-	1,880,541	15,044,328.0	0.2	1,880,541	15,044,328.0	0.2	6,268	50,147
8KB	31	30% Seq 0% Read	480	300	-	-	-	1,858,590	14,868,720.0	0.2	1,858,590	14,868,720.0	0.2	6,195	49,562
8KB	32	0% Seq 0% Read	480	300	-	-	-	1,886,098	15,088,784.0	0.2	1,886,098	15,088,784.0	0.2	6,286	50,295

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STX ST400FM0073 Ent. 1200 12Gbs SAS SSD 400GB 2.5" (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 ST400FM00 SSD 2.5" 400GB Avg Resp (R+W)	STX ST400FM00 SSD 2.5" 400GB IOP Sec (R+W)	STX ST400FM00 12Gb SAS SSD 2.5" 400GB KB Sec (R+W)
16KB	33	100% Seq 100% Read	480	300	9,263,666	148,218,656	0.03	-	-	-	9,263,666	148,218,656	0.03	30,878	494,062
16KB	34	60% Seq 100% Read	480	300	2,237,179	35,794,864.0	0.1	-	-	-	2,237,179	35,794,864.0	0.1	7,457	119,316
16KB	35	30% Seq 100% Read	480	300	1,378,374	22,053,984.0	0.2	-	-	-	1,378,374	22,053,984.0	0.2	4,594	73,513
16KB	36	0% Seq 100% Read	480	300	989,175	15,826,800.0	0.3	-	-	-	989,175	15,826,800.0	0.3	3,297	52,756
16KB	37	100% Seq 60% Read	480	300	1,095,708	17,531,328.0	0.0	728,720	11,659,520.0	0.4	1,824,428	29,190,848.0	0.2	6,081	97,302
16KB	38	60% Seq 60% Read	480	300	805,916	12,894,656.0	0.2	537,325	8,597,200.0	0.3	1,343,241	21,491,856.0	0.2	4,477	71,639
16KB	39	30% Seq 60% Read	480	300	664,018	10,624,288.0	0.3	443,382	7,094,112.0	0.2	1,107,400	17,718,400.0	0.3	3,691	59,061
16KB	40	0% Seq 60% Read	480	300	562,710	9,003,360.0	0.4	373,913	5,982,608.0	0.2	936,623	14,985,968.0	0.3	3,122	49,953
16KB	41	100% Seq 30% Read	480	300	512,422	8,198,752.0	0.0	1,198,116	19,169,856.0	0.2	1,710,538	27,368,608.0	0.2	5,701	91,228
16KB	42	60% Seq 30% Read	480	300	406,718	6,507,488.0	0.2	949,436	15,190,976.0	0.2	1,356,154	21,698,464.0	0.2	4,520	72,328
16KB	43	30% Seq 30% Read	480	300	350,975	5,615,600.0	0.4	819,322	13,109,152.0	0.2	1,170,297	18,724,752.0	0.3	3,900	62,415
16KB	44	0% Seq 30% Read	480	300	313,736	5,019,776.0	0.5	731,714	11,707,424.0	0.2	1,045,450	16,727,200.0	0.3	3,484	55,757
16KB	45	100% Seq 0% Read	480	300	-	-	-	1,648,893	26,382,288.0	0.2	1,648,893	26,382,288.0	0.2	5,496	87,940
16KB	46	60% Seq 0% Read	480	300	-	-	-	1,701,677	27,226,832.0	0.2	1,701,677	27,226,832.0	0.2	5,672	90,756
16KB	47	30% Seq 0% Read	480	300	-	-	-	1,692,997	27,087,952.0	0.2	1,692,997	27,087,952.0	0.2	5,643	90,293
16KB	48	0% Seq 0% Read	480	300	-	-	-	1,692,233	27,075,728.0	0.2	1,692,233	27,075,728.0	0.2	5,640	90,252

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STX ST400FM0073 Ent. 1200 12Gbs SAS SSD 400GB 2.5" (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 ST400FM00 SSD 2.5" 400GB Avg Resp (R+W)	STX ST400FM00 SSD 2.5" 400GB IOP Sec (R+W)	STX ST400FM00 12Gb SAS SSD 2.5" 400GB KB Sec (R+W)
32KB	49	100% Seq 100% Read	480	300	4,837,176	154,789,632	0.06	-	-	-	4,837,176	154,789,632	0.06	16,123	515,965
32KB	50	60% Seq 100% Read	480	300	1,541,996	49,343,872.0	0.2	-	-	-	1,541,996	49,343,872.0	0.2	5,139	164,479
32KB	51	30% Seq 100% Read	480	300	980,488	31,375,616.0	0.3	-	-	-	980,488	31,375,616.0	0.3	3,268	104,585
32KB	52	0% Seq 100% Read	480	300	711,805	22,777,760.0	0.4	-	-	-	711,805	22,777,760.0	0.4	2,372	75,925
32KB	53	100% Seq 60% Read	480	300	645,529	20,656,928.0	0.0	430,838	13,786,816.0	0.7	1,076,367	34,443,744.0	0.3	3,587	114,812
32KB	54	60% Seq 60% Read	480	300	501,604	16,051,328.0	0.3	334,530	10,704,960.0	0.4	836,134	26,756,288.0	0.4	2,787	89,187
32KB	55	30% Seq 60% Read	480	300	425,971	13,631,072.0	0.5	284,148	9,092,736.0	0.3	710,119	22,723,808.0	0.4	2,367	75,746
32KB	56	0% Seq 60% Read	480	300	363,703	11,638,496.0	0.7	243,414	7,789,248.0	0.2	607,117	19,427,744.0	0.5	2,023	64,759
32KB	57	100% Seq 30% Read	480	300	340,161	10,885,152.0	0.0	793,152	25,380,864.0	0.4	1,133,313	36,266,016.0	0.3	3,777	120,886
32KB	58	60% Seq 30% Read	480	300	268,816	8,602,112.0	0.4	626,100	20,035,200.0	0.3	894,916	28,637,312.0	0.3	2,983	95,457
32KB	59	30% Seq 30% Read	480	300	231,509	7,408,288.0	0.7	539,979	17,279,328.0	0.3	771,488	24,687,616.0	0.4	2,571	82,292
32KB	60	0% Seq 30% Read	480	300	204,309	6,537,888.0	1.0	475,213	15,206,816.0	0.2	679,522	21,744,704.0	0.4	2,265	72,482
32KB	61	100% Seq 0% Read	480	300	-	-	-	1,414,238	45,255,616.0	0.2	1,414,238	45,255,616.0	0.2	4,714	150,852
32KB	62	60% Seq 0% Read	480	300	-	-	-	1,400,195	44,806,240.0	0.2	1,400,195	44,806,240.0	0.2	4,667	149,354
32KB	63	30% Seq 0% Read	480	300	-	-	-	1,419,184	45,413,888.0	0.2	1,419,184	45,413,888.0	0.2	4,730	151,379
32KB	64	0% Seq 0% Read	480	300	-	-	-	1,378,581	44,114,592.0	0.2	1,378,581	44,114,592.0	0.2	4,595	147,048

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STX ST400FM0073 Ent. 1200 12Gbs SAS SSD 400GB 2.5" (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 ST400FM00 SSD 2.5" 400GB Avg Resp (R+W)	STX ST400FM00 SSD 2.5" 400GB IOP Sec (R+W)	STX ST400FM00 12Gb SAS SSD 2.5" 400GB KB Sec (R+W)
64KB	65	100% Seq 100% Read	480	300	2,555,836	163,573,504	0.12	-	-	-	2,555,836	163,573,504	0.12	8,519	545,245
64KB	66	60% Seq 100% Read	480	300	958,586	61,349,504.0	0.3	-	-	-	958,586	61,349,504.0	0.3	3,195	204,498
64KB	67	30% Seq 100% Read	480	300	668,344	42,774,016.0	0.5	-	-	-	668,344	42,774,016.0	0.5	2,227	142,580
64KB	68	0% Seq 100% Read	480	300	496,652	31,785,728.0	0.6	-	-	-	496,652	31,785,728.0	0.6	1,655	105,952
64KB	69	100% Seq 60% Read	480	300	378,346	24,214,144.0	0.1	250,894	16,057,216.0	1.1	629,240	40,271,360.0	0.5	2,097	134,237
64KB	70	60% Seq 60% Read	480	300	301,465	19,293,760.0	0.5	201,503	12,896,192.0	0.7	502,968	32,189,952.0	0.6	1,676	107,299
64KB	71	30% Seq 60% Read	480	300	254,541	16,290,624.0	0.9	170,455	10,909,120.0	0.5	424,996	27,199,744.0	0.7	1,416	90,665
64KB	72	0% Seq 60% Read	480	300	216,989	13,887,296.0	1.2	144,766	9,265,024.0	0.3	361,755	23,152,320.0	0.8	1,205	77,174
64KB	73	100% Seq 30% Read	480	300	192,493	12,319,552.0	0.0	449,157	28,746,048.0	0.7	641,650	41,065,600.0	0.5	2,138	136,885
64KB	74	60% Seq 30% Read	480	300	158,006	10,112,384.0	0.8	368,108	23,558,912.0	0.5	526,114	33,671,296.0	0.6	1,753	112,237
64KB	75	30% Seq 30% Read	480	300	137,488	8,799,232.0	1.3	320,102	20,486,528.0	0.4	457,590	29,285,760.0	0.7	1,525	97,619
64KB	76	0% Seq 30% Read	480	300	124,758	7,984,512.0	1.7	291,875	18,680,000.0	0.3	416,633	26,664,512.0	0.7	1,388	88,881
64KB	77	100% Seq 0% Read	480	300	-	-	-	960,327	61,460,928.0	0.3	960,327	61,460,928.0	0.3	3,201	204,869
64KB	78	60% Seq 0% Read	480	300	-	-	-	925,322	59,220,608.0	0.3	925,322	59,220,608.0	0.3	3,084	197,402
64KB	79	30% Seq 0% Read	480	300	-	-	-	906,046	57,986,944.0	0.3	906,046	57,986,944.0	0.3	3,020	193,289
64KB	80	0% Seq 0% Read	480	300	-	-	-	791,996	50,687,744.0	0.4	791,996	50,687,744.0	0.4	2,639	168,959

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STX ST400FM0073 Ent. 1200 12Gbs SAS SSD 400GB 2.5" (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 ST400FM00 SSD 2.5" 400GB Avg Resp (R+W)	STX ST400FM00 SSD 2.5" 400GB IOP Sec (R+W)	STX ST400FM00 12Gb SAS SSD 2.5" 400GB KB Sec (R+W)
128KB	81	100% Seq 100% Read	480	300	1,295,130	165,776,640	0.23	-	-	-	1,295,130	165,776,640	0.23	4,317	552,588
128KB	82	60% Seq 100% Read	480	300	563,540	72,133,120.0	0.5	-	-	-	563,540	72,133,120.0	0.5	1,878	240,443
128KB	83	30% Seq 100% Read	480	300	420,398	53,810,944.0	0.7	-	-	-	420,398	53,810,944.0	0.7	1,401	179,369
128KB	84	0% Seq 100% Read	480	300	325,446	41,657,088.0	0.9	-	-	-	325,446	41,657,088.0	0.9	1,084	138,856
128KB	85	100% Seq 60% Read	480	300	233,041	29,829,248.0	0.1	155,887	19,953,536.0	1.7	388,928	49,782,784.0	0.8	1,296	165,942
128KB	86	60% Seq 60% Read	480	300	189,684	24,279,552.0	0.9	126,789	16,228,992.0	1.0	316,473	40,508,544.0	1.0	1,054	135,028
128KB	87	30% Seq 60% Read	480	300	160,201	20,505,728.0	1.4	106,607	13,645,696.0	0.7	266,808	34,151,424.0	1.1	889	113,838
128KB	88	0% Seq 60% Read	480	300	141,666	18,133,248.0	1.8	94,214	12,059,392.0	0.5	235,880	30,192,640.0	1.3	786	100,642
128KB	89	100% Seq 30% Read	480	300	114,342	14,635,776.0	0.1	267,730	34,269,440.0	1.1	382,072	48,905,216.0	0.8	1,273	163,017
128KB	90	60% Seq 30% Read	480	300	102,866	13,166,848.0	1.2	240,142	30,738,176.0	0.8	343,008	43,905,024.0	0.9	1,143	146,350
128KB	91	30% Seq 30% Read	480	300	89,893	11,506,304.0	1.9	210,631	26,960,768.0	0.6	300,524	38,467,072.0	1.0	1,001	128,223
128KB	92	0% Seq 30% Read	480	300	82,526	10,563,328.0	2.6	192,338	24,619,264.0	0.5	274,864	35,182,592.0	1.1	916	117,275
128KB	93	100% Seq 0% Read	480	300	-	-	-	589,606	75,469,568.0	0.5	589,606	75,469,568.0	0.5	1,965	251,565
128KB	94	60% Seq 0% Read	480	300	-	-	-	557,270	71,330,560.0	0.5	557,270	71,330,560.0	0.5	1,857	237,768
128KB	95	30% Seq 0% Read	480	300	-	-	-	527,972	67,580,416.0	0.6	527,972	67,580,416.0	0.6	1,759	225,268
128KB	96	0% Seq 0% Read	480	300	-	-	-	377,876	48,368,128.0	0.8	377,876	48,368,128.0	0.8	1,259	161,227

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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 ST400FM0073 Ent. 1200 12Gbs SAS SSD 400GB 2.5" (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 ST400FM00 SSD 2.5" 400GB Avg Resp (R+W)	STX ST400FM00 SSD 2.5" 400GB IOP Sec (R+W)	STX ST400FM00 12Gb SAS SSD 2.5" 400GB KB Sec (R+W)
256KB	97	100% Seq 100% Read	480	300	648,798	166,092,288	0.46	-	-	-	648,798	166,092,288	0.46	2,162	553,640
256KB	98	60% Seq 100% Read	480	300	303,408	77,672,448.0	1.0	-	-	-	303,408	77,672,448.0	1.0	1,011	258,908
256KB	99	30% Seq 100% Read	480	300	224,801	57,549,056.0	1.3	-	-	-	224,801	57,549,056.0	1.3	749	191,830
256KB	100	0% Seq 100% Read	480	300	180,858	46,299,648.0	1.7	-	-	-	180,858	46,299,648.0	1.7	602	154,332
256KB	101	100% Seq 60% Read	480	300	154,811	39,631,616.0	0.4	103,478	26,490,368.0	2.4	258,289	66,121,984.0	1.2	860	220,406
256KB	102	60% Seq 60% Read	480	300	122,222	31,288,832.0	1.4	81,512	20,867,072.0	1.6	203,734	52,155,904.0	1.5	679	173,853
256KB	103	30% Seq 60% Read	480	300	101,506	25,985,536.0	2.1	68,154	17,447,424.0	1.3	169,660	43,432,960.0	1.8	565	144,776
256KB	104	0% Seq 60% Read	480	300	89,674	22,956,544.0	2.6	60,169	15,403,264.0	1.1	149,843	38,359,808.0	2.0	499	127,866
256KB	105	100% Seq 30% Read	480	300	69,651	17,830,656.0	0.4	162,606	41,627,136.0	1.7	232,257	59,457,792.0	1.3	774	198,192
256KB	106	60% Seq 30% Read	480	300	62,951	16,115,456.0	1.7	146,976	37,625,856.0	1.3	209,927	53,741,312.0	1.4	699	179,137
256KB	107	30% Seq 30% Read	480	300	55,955	14,324,480.0	2.7	130,763	33,475,328.0	1.1	186,718	47,799,808.0	1.6	622	159,332
256KB	108	0% Seq 30% Read	480	300	48,989	12,541,184.0	3.6	114,626	29,344,256.0	1.1	163,615	41,885,440.0	1.8	545	139,618
256KB	109	100% Seq 0% Read	480	300	-	-	-	308,302	78,925,312.0	1.0	308,302	78,925,312.0	1.0	1,027	263,084
256KB	110	60% Seq 0% Read	480	300	-	-	-	288,758	73,922,048.0	1.0	288,758	73,922,048.0	1.0	962	246,406
256KB	111	30% Seq 0% Read	480	300	-	-	-	273,474	70,009,344.0	1.1	273,474	70,009,344.0	1.1	911	233,364
256KB	112	0% Seq 0% Read	480	300	-	-	-	193,007	49,409,792.0	1.6	193,007	49,409,792.0	1.6	643	164,699

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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 ST400FM0073 Ent. 1200 12Gbs SAS SSD 400GB 2.5" (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 ST400FM00 SSD 2.5" 400GB Avg Resp (R+W)	STX ST400FM00 SSD 2.5" 400GB IOP Sec (R+W)	STX ST400FM00 12Gb SAS SSD 2.5" 400GB KB Sec (R+W)
512KB	113	100% Seq 100% Read	480	300	309,137	158,278,144	0.97	-	-	-	309,137	158,278,144	0.97	1,030	527,593
512KB	114	60% Seq 100% Read	480	300	166,488	85,241,856.0	1.8	-	-	-	166,488	85,241,856.0	1.8	554	284,139
512KB	115	30% Seq 100% Read	480	300	127,088	65,069,056.0	2.4	-	-	-	127,088	65,069,056.0	2.4	423	216,896
512KB	116	0% Seq 100% Read	480	300	105,131	53,827,072.0	2.9	-	-	-	105,131	53,827,072.0	2.9	350	179,423
512KB	117	100% Seq 60% Read	480	300	92,154	47,182,848.0	0.9	61,229	31,349,248.0	3.6	153,383	78,532,096.0	2.0	511	261,773
512KB	118	60% Seq 60% Read	480	300	72,938	37,344,256.0	2.4	48,329	24,744,448.0	2.6	121,267	62,088,704.0	2.5	404	206,962
512KB	119	30% Seq 60% Read	480	300	63,625	32,576,000.0	3.4	42,195	21,603,840.0	2.0	105,820	54,179,840.0	2.8	352	180,599
512KB	120	0% Seq 60% Read	480	300	55,483	28,407,296.0	4.3	37,452	19,175,424.0	1.7	92,935	47,582,720.0	3.2	309	158,609
512KB	121	100% Seq 30% Read	480	300	40,053	20,507,136.0	0.7	93,056	47,644,672.0	2.9	133,109	68,151,808.0	2.3	443	227,172
512KB	122	60% Seq 30% Read	480	300	37,812	19,359,744.0	2.8	88,032	45,072,384.0	2.2	125,844	64,432,128.0	2.4	419	214,773
512KB	123	30% Seq 30% Read	480	300	33,605	17,205,760.0	4.3	78,598	40,242,176.0	2.0	112,203	57,447,936.0	2.7	374	191,493
512KB	124	0% Seq 30% Read	480	300	29,345	15,024,640.0	5.8	68,518	35,081,216.0	1.9	97,863	50,105,856.0	3.1	326	167,019
512KB	125	100% Seq 0% Read	480	300	-	-	-	136,745	70,013,440.0	2.2	136,745	70,013,440.0	2.2	455	233,378
512KB	126	60% Seq 0% Read	480	300	-	-	-	139,685	71,518,720.0	2.1	139,685	71,518,720.0	2.1	465	238,395
512KB	127	30% Seq 0% Read	480	300	-	-	-	131,141	67,144,192.0	2.3	131,141	67,144,192.0	2.3	437	223,813
512KB	128	0% Seq 0% Read	480	300	-	-	-	97,404	49,870,848.0	3.1	97,404	49,870,848.0	3.1	324	166,236



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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 ST400FM0073 Ent. 1200 12Gbs SAS SSD 400GB 2.5" (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 ST400FM00 SSD 2.5" 400GB Avg Resp (R+W)	STX ST400FM00 SSD 2.5" 400GB IOP Sec (R+W)	STX ST400FM00 12Gb SAS SSD 2.5" 400GB KB Sec (R+W)
1024KB	129	100% Seq 100% Read	480	300	147,013	150,541,312	2.04	-	-	-	147,013	150,541,312	2.04	490	501,804
1024KB	130	60% Seq 100% Read	480	300	89,810	91,965,440.0	3.3	-	-	-	89,810	91,965,440.0	3.3	299	306,551
1024KB	131	30% Seq 100% Read	480	300	70,774	72,472,576.0	4.2	-	-	-	70,774	72,472,576.0	4.2	235	241,575
1024KB	132	0% Seq 100% Read	480	300	59,128	60,547,072.0	5.1	-	-	-	59,128	60,547,072.0	5.1	197	201,823
1024KB	133	100% Seq 60% Read	480	300	52,376	53,633,024.0	2.1	34,958	35,796,992.0	5.4	87,334	89,430,016.0	3.4	291	298,100
1024KB	134	60% Seq 60% Read	480	300	41,433	42,427,392.0	4.2	27,825	28,492,800.0	4.6	69,258	70,920,192.0	4.3	230	236,400
1024KB	135	30% Seq 60% Read	480	300	34,832	35,667,968.0	5.7	23,140	23,695,360.0	4.4	57,972	59,363,328.0	5.2	193	197,877
1024KB	136	0% Seq 60% Read	480	300	31,389	32,142,336.0	7.0	20,856	21,356,544.0	3.8	52,245	53,498,880.0	5.7	174	178,329
1024KB	137	100% Seq 30% Read	480	300	22,712	23,257,088.0	1.8	52,488	53,747,712.0	4.9	75,200	77,004,800.0	4.0	250	256,682
1024KB	138	60% Seq 30% Read	480	300	20,418	20,908,032.0	4.6	47,713	48,858,112.0	4.3	68,131	69,766,144.0	4.4	227	232,553
1024KB	139	30% Seq 30% Read	480	300	17,864	18,292,736.0	6.7	41,403	42,396,672.0	4.3	59,267	60,689,408.0	5.1	197	202,298
1024KB	140	0% Seq 30% Read	480	300	15,546	15,919,104.0	8.7	36,288	37,158,912.0	4.5	51,834	53,078,016.0	5.8	172	176,926
1024KB	141	100% Seq 0% Read	480	300	-	-	-	71,624	73,342,976.0	4.2	71,624	73,342,976.0	4.2	238	244,476
1024KB	142	60% Seq 0% Read	480	300	-	-	-	67,046	68,655,104.0	4.5	67,046	68,655,104.0	4.5	223	228,850
1024KB	143	30% Seq 0% Read	480	300	-	-	-	64,806	66,361,344.0	4.6	64,806	66,361,344.0	4.6	216	221,204
1024KB	144	0% Seq 0% Read	480	300	-	-	-	50,092	51,294,208.0	6.0	50,092	51,294,208.0	6.0	166	170,980

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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 ST400FM0073 Ent. 1200 12Gbs SAS SSD 400GB 2.5" (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 ST400FM00 SSD 2.5" 400GB Avg Resp (R+W)	STX ST400FM00 SSD 2.5" 400GB IOP Sec (R+W)	STX ST400FM00 12Gb SAS SSD 2.5" 400GB KB Sec (R+W)
2048KB	145	100% Seq 100% Read	480	300	69,713	142,772,224	4.3	-	-	-	69,713	142,772,224	4.3	232	475,907
2048KB	146	60% Seq 100% Read	480	300	34,997	71,673,856.0	8.6	-	-	-	34,997	71,673,856.0	8.6	116	238,912
2048KB	147	30% Seq 100% Read	480	300	27,767	56,866,816.0	10.8	-	-	-	27,767	56,866,816.0	10.8	92	189,556
2048KB	148	0% Seq 100% Read	480	300	25,193	51,595,264.0	11.9	-	-	-	25,193	51,595,264.0	11.9	83	171,984
2048KB	149	100% Seq 60% Read	480	300	25,105	51,415,040.0	5.1	16,539	33,871,872.0	10.5	41,644	85,286,912.0	7.2	138	284,289
2048KB	150	60% Seq 60% Read	480	300	18,381	37,644,288.0	9.2	12,395	25,384,960.0	10.6	30,776	63,029,248.0	9.7	102	210,097
2048KB	151	30% Seq 60% Read	480	300	15,928	32,620,544.0	11.6	10,758	22,032,384.0	10.7	26,686	54,652,928.0	11.2	88	182,176
2048KB	152	0% Seq 60% Read	480	300	14,799	30,308,352.0	12.8	9,995	20,469,760.0	11.0	24,794	50,778,112.0	12.1	82	169,260
2048KB	153	100% Seq 30% Read	480	300	15,168	31,064,064.0	4.6	35,377	72,452,096.0	6.5	50,545	103,516,160.0	5.9	168	345,053
2048KB	154	60% Seq 30% Read	480	300	9,569	19,597,312.0	9.2	22,304	45,678,592.0	9.5	31,873	65,275,904.0	9.4	106	217,586
2048KB	155	30% Seq 30% Read	480	300	8,551	17,512,448.0	12.4	19,774	40,497,152.0	9.8	28,325	58,009,600.0	10.6	94	193,365
2048KB	156	0% Seq 30% Read	480	300	7,674	15,716,352.0	13.9	17,887	36,632,576.0	10.8	25,561	52,348,928.0	11.7	85	174,496
2048KB	157	100% Seq 0% Read	480	300	-	-	-	35,471	72,644,608.0	8.5	35,471	72,644,608.0	8.5	118	242,148
2048KB	158	60% Seq 0% Read	480	300	-	-	-	28,808	58,998,784.0	10.4	28,808	58,998,784.0	10.4	96	196,662
2048KB	159	30% Seq 0% Read	480	300	-	-	-	33,050	67,686,400.0	9.1	33,050	67,686,400.0	9.1	110	225,621
2048KB	160	0% Seq 0% Read	480	300	-	-	-	24,457	50,087,936.0	12.3	24,457	50,087,936.0	12.3	81	166,959