

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

Samsung MZ-7PD256 Pro 840 SSD 2.5" 256GB (External Raw LSI SAS H 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)	Samsung MZ-7PD256 SSD 256GB Avg Resp (R+W)	Samsung MZ-7PD256 SSD 256GB IOP Sec (R+W)	Samsung 840 Pro MZ-7PD256 SSD 256GB KB Sec (R+W)
4KB	1	100% Seq 100% Read	480	300	39,255,725	157,022,900	0.01	-	-	-	39,255,725	157,022,900	0.01	130,852	523,409
4KB	2	60% Seq 100% Read	480	300	5,384,289	21,537,156.0	0.1	-	-	-	5,384,289	21,537,156.0	0.1	17,947	71,790
4KB	3	30% Seq 100% Read	480	300	3,430,188	13,720,752.0	0.1	-	-	-	3,430,188	13,720,752.0	0.1	11,433	45,735
4KB	4	0% Seq 100% Read	480	300	2,503,952	10,015,808.0	0.1	-	-	-	2,503,952	10,015,808.0	0.1	8,346	33,386
4KB	5	100% Seq 60% Read	480	300	269,313	1,077,252.0	-	180,035	720,140.0	1.7	449,348	1,797,392.0	0.7	1,497	5,991
4KB	6	60% Seq 60% Read	480	300	259,712	1,038,848.0	0.1	172,529	690,116.0	1.6	432,241	1,728,964.0	0.7	1,440	5,763
4KB	7	30% Seq 60% Read	480	300	250,444	1,001,776.0	0.1	167,476	669,904.0	1.6	417,920	1,671,680.0	0.7	1,393	5,572
4KB	8	0% Seq 60% Read	480	300	244,216	976,864.0	0.1	162,831	651,324.0	1.6	407,047	1,628,188.0	0.7	1,356	5,427
4KB	9	100% Seq 30% Read	480	300	75,812	303,248.0	-	176,710	706,840.0	1.7	252,522	1,010,088.0	1.2	841	3,366
4KB	10	60% Seq 30% Read	480	300	76,548	306,192.0	0.1	177,841	711,364.0	1.7	254,389	1,017,556.0	1.2	847	3,391
4KB	11	30% Seq 30% Read	480	300	75,681	302,724.0	0.1	176,805	707,220.0	1.7	252,486	1,009,944.0	1.2	841	3,366
4KB	12	0% Seq 30% Read	480	300	74,677	298,708.0	0.1	174,136	696,544.0	1.7	248,813	995,252.0	1.2	829	3,317
4KB	13	100% Seq 0% Read	480	300	-	-	-	175,124	700,496.0	1.7	175,124	700,496.0	1.7	583	2,334
4KB	14	60% Seq 0% Read	480	300	-	-	-	175,521	702,084.0	1.7	175,521	702,084.0	1.7	585	2,340
4KB	15	30% Seq 0% Read	480	300	-	-	-	173,386	693,544.0	1.7	173,386	693,544.0	1.7	577	2,311
4KB	16	0% Seq 0% Read	480	300	-	-	-	174,532	698,128.0	1.7	174,532	698,128.0	1.7	581	2,327

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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

Samsung MZ-7PD256 Pro 840 SSD 2.5" 256GB (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)	Samsung MZ-7PD256 SSD 256GB Avg Resp (R+W)	Samsung MZ-7PD256 SSD 256GB IOP Sec (R+W)	Samsung 840 Pro MZ-7PD256 SSD 256GB KB Sec (R+W)
8KB	17	100% Seq 100% Read	480	300	19,619,904	156,959,232	0.01	-	-	-	19,619,904	156,959,232	0.01	65,399	523,197
8KB	18	60% Seq 100% Read	480	300	4,399,041	35,192,328.0	0.1	-	-	-	4,399,041	35,192,328.0	0.1	14,663	117,307
8KB	19	30% Seq 100% Read	480	300	2,909,649	23,277,192.0	0.1	-	-	-	2,909,649	23,277,192.0	0.1	9,698	77,590
8KB	20	0% Seq 100% Read	480	300	2,171,738	17,373,904.0	0.1	-	-	-	2,171,738	17,373,904.0	0.1	7,239	57,913
8KB	21	100% Seq 60% Read	480	300	232,666	1,861,328.0	-	155,290	1,242,320.0	1.9	387,956	3,103,648.0	0.8	1,293	10,345
8KB	22	60% Seq 60% Read	480	300	213,208	1,705,664.0	0.1	142,306	1,138,448.0	2.0	355,514	2,844,112.0	0.8	1,185	9,480
8KB	23	30% Seq 60% Read	480	300	196,399	1,571,192.0	0.2	130,990	1,047,920.0	2.1	327,389	2,619,112.0	0.9	1,091	8,730
8KB	24	0% Seq 60% Read	480	300	171,873	1,374,984.0	0.2	115,317	922,536.0	2.3	287,190	2,297,520.0	1.0	957	7,658
8KB	25	100% Seq 30% Read	480	300	58,247	465,976.0	-	134,585	1,076,680.0	2.2	192,832	1,542,656.0	1.6	642	5,142
8KB	26	60% Seq 30% Read	480	300	56,638	453,104.0	0.1	130,926	1,047,408.0	2.3	187,564	1,500,512.0	1.6	625	5,001
8KB	27	30% Seq 30% Read	480	300	55,495	443,960.0	0.1	128,786	1,030,288.0	2.3	184,281	1,474,248.0	1.6	614	4,914
8KB	28	0% Seq 30% Read	480	300	53,790	430,320.0	0.2	125,523	1,004,184.0	2.3	179,313	1,434,504.0	1.7	597	4,781
8KB	29	100% Seq 0% Read	480	300	-	-	-	135,063	1,080,504.0	2.2	135,063	1,080,504.0	2.2	450	3,601
8KB	30	60% Seq 0% Read	480	300	-	-	-	134,799	1,078,392.0	2.2	134,799	1,078,392.0	2.2	449	3,594
8KB	31	30% Seq 0% Read	480	300	-	-	-	134,827	1,078,616.0	2.2	134,827	1,078,616.0	2.2	449	3,595
8KB	32	0% Seq 0% Read	480	300	-	-	-	133,513	1,068,104.0	2.2	133,513	1,068,104.0	2.2	445	3,560

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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

Samsung MZ-7PD256 Pro 840 SSD 2.5" 256GB (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)	Samsung MZ-7PD256 SSD 256GB Avg Resp (R+W)	Samsung MZ-7PD256 SSD 256GB IOP Sec (R+W)	Samsung 840 Pro MZ-7PD256 SSD 256GB KB Sec (R+W)
16KB	33	100% Seq 100% Read	480	300	9,901,605	158,425,680	0.03	-	-	-	9,901,605	158,425,680	0.03	33,005	528,085
16KB	34	60% Seq 100% Read	480	300	3,339,032	53,424,512.0	0.1	-	-	-	3,339,032	53,424,512.0	0.1	11,130	178,081
16KB	35	30% Seq 100% Read	480	300	2,381,166	38,098,656.0	0.1	-	-	-	2,381,166	38,098,656.0	0.1	7,937	126,995
16KB	36	0% Seq 100% Read	480	300	1,829,229	29,267,664.0	0.2	-	-	-	1,829,229	29,267,664.0	0.2	6,097	97,558
16KB	37	100% Seq 60% Read	480	300	144,030	2,304,480.0	0.0	95,512	1,528,192.0	3.1	239,542	3,832,672.0	1.3	798	12,775
16KB	38	60% Seq 60% Read	480	300	130,408	2,086,528.0	0.1	86,459	1,383,344.0	3.3	216,867	3,469,872.0	1.4	722	11,566
16KB	39	30% Seq 60% Read	480	300	116,059	1,856,944.0	0.2	77,526	1,240,416.0	3.6	193,585	3,097,360.0	1.6	645	10,324
16KB	40	0% Seq 60% Read	480	300	106,472	1,703,552.0	0.3	70,931	1,134,896.0	3.8	177,403	2,838,448.0	1.7	591	9,461
16KB	41	100% Seq 30% Read	480	300	39,341	629,456.0	0.0	90,904	1,454,464.0	3.3	130,245	2,083,920.0	2.3	434	6,946
16KB	42	60% Seq 30% Read	480	300	36,622	585,952.0	0.1	85,605	1,369,680.0	3.5	122,227	1,955,632.0	2.5	407	6,518
16KB	43	30% Seq 30% Read	480	300	35,173	562,768.0	0.2	81,745	1,307,920.0	3.6	116,918	1,870,688.0	2.6	389	6,235
16KB	44	0% Seq 30% Read	480	300	34,111	545,776.0	0.3	78,543	1,256,688.0	3.7	112,654	1,802,464.0	2.7	375	6,008
16KB	45	100% Seq 0% Read	480	300	-	-	-	92,740	1,483,840.0	3.2	92,740	1,483,840.0	3.2	309	4,946
16KB	46	60% Seq 0% Read	480	300	-	-	-	88,767	1,420,272.0	3.4	88,767	1,420,272.0	3.4	295	4,734
16KB	47	30% Seq 0% Read	480	300	-	-	-	87,445	1,399,120.0	3.4	87,445	1,399,120.0	3.4	291	4,663
16KB	48	0% Seq 0% Read	480	300	-	-	-	85,734	1,371,744.0	3.5	85,734	1,371,744.0	3.5	285	4,572

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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

Samsung MZ-7PD256 Pro 840 SSD 2.5" 256GB (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)	Samsung MZ-7PD256 SSD 256GB Avg Resp (R+W)	Samsung MZ-7PD256 SSD 256GB IOP Sec (R+W)	Samsung 840 Pro MZ-7PD256 SSD 256GB KB Sec (R+W)
32KB	49	100% Seq 100% Read	480	300	4,969,514	159,024,448	0.06	-	-	-	4,969,514	159,024,448	0.06	16,565	530,081
32KB	50	60% Seq 100% Read	480	300	2,378,895	76,124,640.0	0.1	-	-	-	2,378,895	76,124,640.0	0.1	7,929	253,748
32KB	51	30% Seq 100% Read	480	300	1,791,428	57,325,696.0	0.2	-	-	-	1,791,428	57,325,696.0	0.2	5,971	191,085
32KB	52	0% Seq 100% Read	480	300	1,479,176	47,333,632.0	0.2	-	-	-	1,479,176	47,333,632.0	0.2	4,930	157,778
32KB	53	100% Seq 60% Read	480	300	76,084	2,434,688.0	0.0	50,645	1,620,640.0	5.9	126,729	4,055,328.0	2.4	422	13,517
32KB	54	60% Seq 60% Read	480	300	68,442	2,190,144.0	0.2	45,570	1,458,240.0	6.3	114,012	3,648,384.0	2.6	380	12,161
32KB	55	30% Seq 60% Read	480	300	62,598	2,003,136.0	0.3	41,831	1,338,592.0	6.7	104,429	3,341,728.0	2.9	348	11,139
32KB	56	0% Seq 60% Read	480	300	58,684	1,877,888.0	0.4	39,046	1,249,472.0	7.1	97,730	3,127,360.0	3.1	325	10,424
32KB	57	100% Seq 30% Read	480	300	22,782	729,024.0	0.0	52,923	1,693,536.0	5.7	75,705	2,422,560.0	4.0	252	8,075
32KB	58	60% Seq 30% Read	480	300	21,005	672,160.0	0.1	48,950	1,566,400.0	6.1	69,955	2,238,560.0	4.3	233	7,461
32KB	59	30% Seq 30% Read	480	300	19,845	635,040.0	0.2	46,552	1,489,664.0	6.3	66,397	2,124,704.0	4.5	221	7,082
32KB	60	0% Seq 30% Read	480	300	19,075	610,400.0	0.3	44,488	1,423,616.0	6.6	63,563	2,034,016.0	4.7	211	6,780
32KB	61	100% Seq 0% Read	480	300	-	-	-	53,516	1,712,512.0	5.6	53,516	1,712,512.0	5.6	178	5,708
32KB	62	60% Seq 0% Read	480	300	-	-	-	50,890	1,628,480.0	5.9	50,890	1,628,480.0	5.9	169	5,428
32KB	63	30% Seq 0% Read	480	300	-	-	-	49,133	1,572,256.0	6.1	49,133	1,572,256.0	6.1	163	5,240
32KB	64	0% Seq 0% Read	480	300	-	-	-	49,234	1,575,488.0	6.1	49,234	1,575,488.0	6.1	164	5,251

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Samsung MZ-7PD256 Pro 840 SSD 2.5" 256GB (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)	Samsung MZ-7PD256 SSD 256GB Avg Resp (R+W)	Samsung MZ-7PD256 SSD 256GB IOP Sec (R+W)	Samsung 840 Pro MZ-7PD256 SSD 256GB KB Sec (R+W)
64KB	65	100% Seq 100% Read	480	300	2,489,746	159,343,744	0.12	-	-	-	2,489,746	159,343,744	0.12	8,299	531,145
64KB	66	60% Seq 100% Read	480	300	1,512,956	96,829,184.0	0.2	-	-	-	1,512,956	96,829,184.0	0.2	5,043	322,763
64KB	67	30% Seq 100% Read	480	300	1,214,049	77,699,136.0	0.2	-	-	-	1,214,049	77,699,136.0	0.2	4,046	258,997
64KB	68	0% Seq 100% Read	480	300	1,024,802	65,587,328.0	0.3	-	-	-	1,024,802	65,587,328.0	0.3	3,416	218,624
64KB	69	100% Seq 60% Read	480	300	43,039	2,754,496.0	0.1	28,643	1,833,152.0	10.3	71,682	4,587,648.0	4.2	238	15,292
64KB	70	60% Seq 60% Read	480	300	35,945	2,300,480.0	0.3	23,971	1,534,144.0	12.1	59,916	3,834,624.0	5.0	199	12,782
64KB	71	30% Seq 60% Read	480	300	33,593	2,149,952.0	0.5	22,347	1,430,208.0	12.7	55,940	3,580,160.0	5.4	186	11,933
64KB	72	0% Seq 60% Read	480	300	31,023	1,985,472.0	0.6	20,707	1,325,248.0	13.6	51,730	3,310,720.0	5.8	172	11,035
64KB	73	100% Seq 30% Read	480	300	13,063	836,032.0	0.1	30,148	1,929,472.0	9.9	43,211	2,765,504.0	6.9	144	9,218
64KB	74	60% Seq 30% Read	480	300	11,553	739,392.0	0.3	26,869	1,719,616.0	11.1	38,422	2,459,008.0	7.8	128	8,196
64KB	75	30% Seq 30% Read	480	300	11,059	707,776.0	0.4	25,656	1,641,984.0	11.5	36,715	2,349,760.0	8.2	122	7,832
64KB	76	0% Seq 30% Read	480	300	10,677	683,328.0	0.6	24,859	1,590,976.0	11.8	35,536	2,274,304.0	8.4	118	7,581
64KB	77	100% Seq 0% Read	480	300	-	-	-	29,233	1,870,912.0	10.3	29,233	1,870,912.0	10.3	97	6,236
64KB	78	60% Seq 0% Read	480	300	-	-	-	29,322	1,876,608.0	10.2	29,322	1,876,608.0	10.2	97	6,255
64KB	79	30% Seq 0% Read	480	300	-	-	-	28,838	1,845,632.0	10.4	28,838	1,845,632.0	10.4	96	6,152
64KB	80	0% Seq 0% Read	480	300	-	-	-	29,112	1,863,168.0	10.3	29,112	1,863,168.0	10.3	97	6,210

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Samsung MZ-7PD256 Pro 840 SSD 2.5" 256GB (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)	Samsung MZ-7PD256 SSD 256GB Avg Resp (R+W)	Samsung MZ-7PD256 SSD 256GB IOP Sec (R+W)	Samsung 840 Pro MZ-7PD256 SSD 256GB KB Sec (R+W)
128KB	81	100% Seq 100% Read	480	300	1,245,764	159,457,792	0.24	-	-	-	1,245,764	159,457,792	0.24	4,152	531,525
128KB	82	60% Seq 100% Read	480	300	882,750	112,992,000.0	0.3	-	-	-	882,750	112,992,000.0	0.3	2,942	376,640
128KB	83	30% Seq 100% Read	480	300	745,325	95,401,600.0	0.4	-	-	-	745,325	95,401,600.0	0.4	2,484	318,005
128KB	84	0% Seq 100% Read	480	300	654,021	83,714,688.0	0.5	-	-	-	654,021	83,714,688.0	0.5	2,180	279,048
128KB	85	100% Seq 60% Read	480	300	21,509	2,753,152.0	0.3	14,590	1,867,520.0	20.2	36,099	4,620,672.0	8.3	120	15,402
128KB	86	60% Seq 60% Read	480	300	19,767	2,530,176.0	0.6	13,123	1,679,744.0	22.0	32,890	4,209,920.0	9.1	109	14,033
128KB	87	30% Seq 60% Read	480	300	19,231	2,461,568.0	0.7	12,583	1,610,624.0	22.8	31,814	4,072,192.0	9.4	106	13,573
128KB	88	0% Seq 60% Read	480	300	18,461	2,363,008.0	0.9	12,184	1,559,552.0	23.2	30,645	3,922,560.0	9.8	102	13,075
128KB	89	100% Seq 30% Read	480	300	6,501	832,128.0	0.2	15,096	1,932,288.0	19.8	21,597	2,764,416.0	13.9	71	9,214
128KB	90	60% Seq 30% Read	480	300	6,423	822,144.0	0.5	14,918	1,909,504.0	19.9	21,341	2,731,648.0	14.1	71	9,105
128KB	91	30% Seq 30% Read	480	300	6,151	787,328.0	0.6	14,466	1,851,648.0	20.5	20,617	2,638,976.0	14.5	68	8,796
128KB	92	0% Seq 30% Read	480	300	6,202	793,856.0	0.9	14,359	1,837,952.0	20.5	20,561	2,631,808.0	14.6	68	8,772
128KB	93	100% Seq 0% Read	480	300	-	-	-	17,356	2,221,568.0	17.3	17,356	2,221,568.0	17.3	57	7,405
128KB	94	60% Seq 0% Read	480	300	-	-	-	17,293	2,213,504.0	17.3	17,293	2,213,504.0	17.3	57	7,378
128KB	95	30% Seq 0% Read	480	300	-	-	-	17,137	2,193,536.0	17.5	17,137	2,193,536.0	17.5	57	7,311
128KB	96	0% Seq 0% Read	480	300	-	-	-	17,373	2,223,744.0	17.3	17,373	2,223,744.0	17.3	57	7,412

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1/11/2015

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Samsung MZ-7PD256 Pro 840 SSD 2.5" 256GB (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)	Samsung MZ-7PD256 SSD 256GB Avg Resp (R+W)	Samsung MZ-7PD256 SSD 256GB IOP Sec (R+W)	Samsung 840 Pro MZ-7PD256 SSD 256GB KB Sec (R+W)
256KB	97	100% Seq 100% Read	480	300	619,720	158,648,320	0.48	-	-	-	619,720	158,648,320	0.48	2,065	528,827
256KB	98	60% Seq 100% Read	480	300	422,991	108,285,696.0	0.7	-	-	-	422,991	108,285,696.0	0.7	1,409	360,952
256KB	99	30% Seq 100% Read	480	300	345,759	88,514,304.0	0.9	-	-	-	345,759	88,514,304.0	0.9	1,152	295,047
256KB	100	0% Seq 100% Read	480	300	303,264	77,635,584.0	1.0	-	-	-	303,264	77,635,584.0	1.0	1,010	258,785
256KB	101	100% Seq 60% Read	480	300	11,584	2,965,504.0	0.9	7,583	1,941,248.0	38.1	19,167	4,906,752.0	15.7	63	16,355
256KB	102	60% Seq 60% Read	480	300	10,789	2,761,984.0	1.3	7,145	1,829,120.0	40.1	17,934	4,591,104.0	16.7	59	15,303
256KB	103	30% Seq 60% Read	480	300	10,369	2,654,464.0	1.4	6,890	1,763,840.0	41.5	17,259	4,418,304.0	17.4	57	14,727
256KB	104	0% Seq 60% Read	480	300	10,198	2,610,688.0	1.5	6,791	1,738,496.0	41.9	16,989	4,349,184.0	17.7	56	14,497
256KB	105	100% Seq 30% Read	480	300	3,798	972,288.0	1.0	8,418	2,155,008.0	35.2	12,216	3,127,296.0	24.5	40	10,424
256KB	106	60% Seq 30% Read	480	300	3,441	880,896.0	1.1	8,156	2,087,936.0	36.3	11,597	2,968,832.0	25.9	38	9,896
256KB	107	30% Seq 30% Read	480	300	3,368	862,208.0	1.2	7,933	2,030,848.0	37.3	11,301	2,893,056.0	26.5	37	9,643
256KB	108	0% Seq 30% Read	480	300	3,281	839,936.0	1.3	7,687	1,967,872.0	38.5	10,968	2,807,808.0	27.4	36	9,359
256KB	109	100% Seq 0% Read	480	300	-	-	-	9,447	2,418,432.0	31.8	9,447	2,418,432.0	31.8	31	8,061
256KB	110	60% Seq 0% Read	480	300	-	-	-	9,253	2,368,768.0	32.4	9,253	2,368,768.0	32.4	30	7,895
256KB	111	30% Seq 0% Read	480	300	-	-	-	9,349	2,393,344.0	32.1	9,349	2,393,344.0	32.1	31	7,977
256KB	112	0% Seq 0% Read	480	300	-	-	-	9,128	2,336,768.0	32.9	9,128	2,336,768.0	32.9	30	7,789

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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

Samsung MZ-7PD256 Pro 840 SSD 2.5" 256GB (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)	Samsung MZ-7PD256 SSD 256GB Avg Resp (R+W)	Samsung MZ-7PD256 SSD 256GB IOP Sec (R+W)	Samsung 840 Pro MZ-7PD256 SSD 256GB KB Sec (R+W)
512KB	113	100% Seq 100% Read	480	300	307,491	157,435,392	0.97	-	-	-	307,491	157,435,392	0.97	1,024	524,784
512KB	114	60% Seq 100% Read	480	300	233,759	119,684,608.0	1.3	-	-	-	233,759	119,684,608.0	1.3	779	398,948
512KB	115	30% Seq 100% Read	480	300	198,330	101,544,960.0	1.5	-	-	-	198,330	101,544,960.0	1.5	661	338,483
512KB	116	0% Seq 100% Read	480	300	182,871	93,629,952.0	1.6	-	-	-	182,871	93,629,952.0	1.6	609	312,099
512KB	117	100% Seq 60% Read	480	300	5,862	3,001,344.0	2.3	4,007	2,051,584.0	71.6	9,869	5,052,928.0	30.4	32	16,843
512KB	118	60% Seq 60% Read	480	300	5,718	2,927,616.0	2.4	3,947	2,020,864.0	72.5	9,665	4,948,480.0	31.1	32	16,494
512KB	119	30% Seq 60% Read	480	300	5,640	2,887,680.0	2.7	3,752	1,921,024.0	75.8	9,392	4,808,704.0	31.9	31	16,029
512KB	120	0% Seq 60% Read	480	300	5,666	2,900,992.0	3.0	3,754	1,922,048.0	75.4	9,420	4,823,040.0	31.8	31	16,076
512KB	121	100% Seq 30% Read	480	300	1,744	892,928.0	2.0	4,144	2,121,728.0	71.6	5,888	3,014,656.0	51.0	19	10,048
512KB	122	60% Seq 30% Read	480	300	1,779	910,848.0	2.3	4,097	2,097,664.0	72.2	5,876	3,008,512.0	51.0	19	10,028
512KB	123	30% Seq 30% Read	480	300	1,746	893,952.0	2.4	4,083	2,090,496.0	72.5	5,829	2,984,448.0	51.5	19	9,948
512KB	124	0% Seq 30% Read	480	300	1,597	817,664.0	2.6	3,951	2,022,912.0	74.9	5,548	2,840,576.0	54.1	18	9,468
512KB	125	100% Seq 0% Read	480	300	-	-	-	4,899	2,508,288.0	61.2	4,899	2,508,288.0	61.2	16	8,360
512KB	126	60% Seq 0% Read	480	300	-	-	-	4,687	2,399,744.0	64.0	4,687	2,399,744.0	64.0	15	7,999
512KB	127	30% Seq 0% Read	480	300	-	-	-	4,615	2,362,880.0	65.1	4,615	2,362,880.0	65.1	15	7,876
512KB	128	0% Seq 0% Read	480	300	-	-	-	4,631	2,371,072.0	64.8	4,631	2,371,072.0	64.8	15	7,903

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D 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

Samsung MZ-7PD256 Pro 840 SSD 2.5" 256GB (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)	Samsung MZ-7PD256 SSD 256GB Avg Resp (R+W)	Samsung MZ-7PD256 SSD 256GB IOP Sec (R+W)	Samsung 840 Pro MZ-7PD256 SSD 256GB KB Sec (R+W)
1024KB	129	100% Seq 100% Read	480	300	153,368	157,048,832	1.95	-	-	-	153,368	157,048,832	1.95	511	523,496
1024KB	130	60% Seq 100% Read	480	300	121,094	124,000,256.0	2.5	-	-	-	121,094	124,000,256.0	2.5	403	413,334
1024KB	131	30% Seq 100% Read	480	300	106,013	108,557,312.0	2.8	-	-	-	106,013	108,557,312.0	2.8	353	361,857
1024KB	132	0% Seq 100% Read	480	300	100,178	102,582,272.0	3.0	-	-	-	100,178	102,582,272.0	3.0	333	341,940
1024KB	133	100% Seq 60% Read	480	300	3,776	3,866,624.0	4.9	2,416	2,473,984.0	116.5	6,192	6,340,608.0	48.5	20	21,135
1024KB	134	60% Seq 60% Read	480	300	3,611	3,697,664.0	5.0	2,427	2,485,248.0	116.0	6,038	6,182,912.0	49.6	20	20,609
1024KB	135	30% Seq 60% Read	480	300	3,501	3,585,024.0	5.7	2,294	2,349,056.0	122.1	5,795	5,934,080.0	51.8	19	19,780
1024KB	136	0% Seq 60% Read	480	300	3,525	3,609,600.0	6.1	2,290	2,344,960.0	121.6	5,815	5,954,560.0	51.6	19	19,848
1024KB	137	100% Seq 30% Read	480	300	844	864,256.0	3.6	2,129	2,180,096.0	139.5	2,973	3,044,352.0	101.0	9	10,147
1024KB	138	60% Seq 30% Read	480	300	946	968,704.0	4.6	2,163	2,214,912.0	136.7	3,109	3,183,616.0	96.5	10	10,612
1024KB	139	30% Seq 30% Read	480	300	926	948,224.0	4.8	2,139	2,190,336.0	138.2	3,065	3,138,560.0	97.9	10	10,461
1024KB	140	0% Seq 30% Read	480	300	912	933,888.0	5.0	2,193	2,245,632.0	134.8	3,105	3,179,520.0	96.6	10	10,598
1024KB	141	100% Seq 0% Read	480	300	-	-	-	2,304	2,359,296.0	130.2	2,304	2,359,296.0	130.2	7	7,864
1024KB	142	60% Seq 0% Read	480	300	-	-	-	2,302	2,357,248.0	130.3	2,302	2,357,248.0	130.3	7	7,857
1024KB	143	30% Seq 0% Read	480	300	-	-	-	2,250	2,304,000.0	133.2	2,250	2,304,000.0	133.2	7	7,680
1024KB	144	0% Seq 0% Read	480	300	-	-	-	2,204	2,256,896.0	136.1	2,204	2,256,896.0	136.1	7	7,522

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1/11/2015

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Samsung MZ-7PD256 Pro 840 SSD 2.5" 256GB (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)	Samsung MZ-7PD256 SSD 256GB Avg Resp (R+W)	Samsung MZ-7PD256 SSD 256GB IOP Sec (R+W)	Samsung 840 Pro MZ-7PD256 SSD 256GB KB Sec (R+W)
2048KB	145	100% Seq 100% Read	480	300	76,853	157,394,944	3.9	-	-	-	76,853	157,394,944	3.9	256	524,649
2048KB	146	60% Seq 100% Read	480	300	60,055	122,992,640.0	5.0	-	-	-	60,055	122,992,640.0	5.0	200	409,975
2048KB	147	30% Seq 100% Read	480	300	54,620	111,861,760.0	5.5	-	-	-	54,620	111,861,760.0	5.5	182	372,872
2048KB	148	0% Seq 100% Read	480	300	52,348	107,208,704.0	5.7	-	-	-	52,348	107,208,704.0	5.7	174	357,362
2048KB	149	100% Seq 60% Read	480	300	2,339	4,790,272.0	11.8	1,511	3,094,528.0	180.3	3,850	7,884,800.0	77.9	12	26,282
2048KB	150	60% Seq 60% Read	480	300	2,354	4,820,992.0	12.6	1,531	3,135,488.0	176.5	3,885	7,956,480.0	77.2	12	26,521
2048KB	151	30% Seq 60% Read	480	300	2,080	4,259,840.0	12.2	1,455	2,979,840.0	188.7	3,535	7,239,680.0	84.8	11	24,132
2048KB	152	0% Seq 60% Read	480	300	2,086	4,272,128.0	13.0	1,409	2,885,632.0	193.9	3,495	7,157,760.0	85.9	11	23,859
2048KB	153	100% Seq 30% Read	480	300	520	1,064,960.0	9.3	1,182	2,420,736.0	249.7	1,702	3,485,696.0	176.2	5	11,618
2048KB	154	60% Seq 30% Read	480	300	515	1,054,720.0	9.8	1,190	2,437,120.0	247.6	1,705	3,491,840.0	175.8	5	11,639
2048KB	155	30% Seq 30% Read	480	300	557	1,140,736.0	9.8	1,230	2,519,040.0	239.5	1,787	3,659,776.0	167.9	5	12,199
2048KB	156	0% Seq 30% Read	480	300	489	1,001,472.0	10.8	1,222	2,502,656.0	241.0	1,711	3,504,128.0	175.2	5	11,680
2048KB	157	100% Seq 0% Read	480	300	-	-	-	1,266	2,592,768.0	237.1	1,266	2,592,768.0	237.1	4	8,642
2048KB	158	60% Seq 0% Read	480	300	-	-	-	1,279	2,619,392.0	234.4	1,279	2,619,392.0	234.4	4	8,731
2048KB	159	30% Seq 0% Read	480	300	-	-	-	1,185	2,426,880.0	253.2	1,185	2,426,880.0	253.2	3	8,089
2048KB	160	0% Seq 0% Read	480	300	-	-	-	1,304	2,670,592.0	229.6	1,304	2,670,592.0	229.6	4	8,901