		Workload configuration	Write configuration for RocksDB	Write performance(time in seconds)		Ratio		Read performance (time in seconds)		Ratio	Disk space occupied(in MB)		Ratio
Machine	No of Random Reads	(Distinct pairs Matches)		RocksDB	Jena BPT	(Jena BPT / RocksDB)	Read configuration for RocksDB	RocksDB	Jena BPT	(Jena BPT / RocksDB)	RocksDB	Jena BPT	(Jena BPT / RocksDB)
	100	100 100000	default	5.7416	15.8196	275.53%	default	3.5393	0.7035	19.88%	134	461	344.03%
	100	100 100000	default	5.7416	15.8196	275.53%	default with readAhead size = 32*1024 bytes	3.3972	0.7035	20.71%	134	461	344.03%
	100	100 100000	default	5.7416	15.8196	275.53%	default with readAhead size = 128*1024 bytes	3.0616	0.7035	22.98%	134	461	344.03%
	100	100 100000	default	5.7416	15.8196	275.53%	default with readAhead size = 256*1024 bytes	3.8116	0.7035	18.46%	134	461	344.03%
	1000	1000 10000	default	6.0851	16.4224	269.88%	default	3.4690	0.6937	20.00%	134	461	344.03%
	1000	1000 10000	default	6.0851	16.4224	269.88%	default with readAhead size = 32*1024 bytes	3.2016	0.6937	21.67%	134	461	344.03%
	1000	1000 10000	default	6.0851	16.4224	269.88%	default with readAhead size = 128*1024 bytes	3.0844	0.6937	22.49%	134	461	344.03%
	1000	1000 10000	default	6.0851	16.4224	269.88%	default with readAhead size = 256*1024 bytes	3.2412	0.6937	21.40%	134	461	344.03%
	10000	10000 1000	default	5.9441	14.9886	252.16%	default	3.7185	0.7678	20.65%	134	461	344.03%
	100000	100000 100	default	6.0406	14.3715	237.92%	default	5.2579	1,1142	21.19%	136	465	341.91%
	100000	100000 100	default	6.0406	14.3715	237.92%	default with readAhead size = 1024 bytes	5.5947	1,1142	19.92%	136	465	341.91%
	100000	100000 100	default	6.0406	14.3715	237.92%	default with readAhead size = 8*1024 bytes	5.7011	1.1142	19.54%	136	465	341.91%
	100000	100000 100	default	6.0406	14.3715	237.92%	default with readAhead size = 128*1024 bytes	6.5690	1,1142	16.96%	136	465	341.91%
	100000	100000 100	default with directio enabled	5.9872	14.3715	240.04%	default with directio enabled	8.9706	1.1142	12.42%	136	465	341.91%
	100000	100000 100	data block size = 64 bytes	6.3038	14.3715	227.98%	data block size = 64 bytes	11.6560	1.1142	9.56%	268	465	173.51%
Machine 1	100000	100000 100	data block size = 128 bytes	6.2692	14.3715	229.24%	data block size = 128 bytes	7.5091	1.1142	14.84%	182	465	255.49%
	100000	100000 100	data block size = 512 bytes	6.6278	14.3715	216.84%	data block size = 512 bytes	5.0867	1.1142	21.90%	147	465	316.33%
	100000	100000 100	data block size = 1024 bytes	6.3681	14.3715	225.68%	data block size = 1024 bytes	5.2183	1.1142	21.35%	140	465	332.14%
	100000	100000 100	data block size = 4*1024 bytes	6.6151	14.3715	217.25%	data block size = 4*1024 bytes	5.6711	1.1142	19.65%	136	465	341.91%
	100000	100000 100	data block size = 16*1024 bytes	6.6893	14.3715	214.84%	data block size = 16*1024 bytes	9.6767	1.1142	11.51%	134	465	347.01%
	100000	100000 100	data block size = 32*1024 bytes	6.5364	14.3715	219.87%	data block size = 32*1024 bytes	14.6724	1.1142	7.59%	134	465	347.01%
	100000	100000 100	Disable compression	6.1198	14.3715	234.84%	Disable compression	3.7361	1.1142	29.82%	140	465	332.14%
	100000	100000 100	Disable compression and checksum	6.7633	14.3715	212.49%	Disable compression and checksum	3.7032	1.1142	30.09%	140	465	332.14%
	100000	100000 100	default with prefix bloom filter*	6.0443	14.3715	237.77%	Prefix Bloom filter size = 10 bits ; Prefix extractor = CappedPrefixTransform ; Prefix size = 16 bytes	5.4595	1.1142	20.41%	72	465	645.83%
	100000	100000 100	default with memtable bloom filter = 10%	6.4311	14.3715	223.47%	Memtable bloom filter size ratio = 10%	5.2327	1.1142	21.29%	136	465	341.91%
	100000	100000 100	default with memtable bloom filter = 25%	6.3891	14.3715	224.94%	Memtable bloom filter size ratio = 25%	5.2411	1.1142	21.26%	136	465	341.91%
	100000	100000 100	Prefix Bloom filter* with memtable bloom filter	0.0001	14.0710	224.0470	Member broth mer size ratio 25%	0.2411	1.1142	21.2070	100	400	041.0170
	100000	100000 100	= 25%	6.6079	14.3715	217.49%	Prefix Bloom filter* with memtable bloom filter = 25%	5.7437	1.1142	19.40%	212	465	219.34%
	100000	100000 100	Prefix Bloom filter* with memtable bloom filter = 25% and blocking unnecssary IO	6.7924	14.3715	211.58%	Prefix Bloom filter* with memtable bloom filter = 25% and blocking unnecssary IO	5.7303	1.1142	19.44%	212	465	219.34%
	1000000	1000000 10	default	6.4439	16.1738	250.99%	default	25.5561	3.5095	13.73%	154	507	329.22%
Machine 2	1000000	1000000 100	default	41.8304	115.408	275.90%	default	62.4660	7.0390	11.27%	742	4600	619.95%
	1000000	1000000 100	custom configs**	46.7662	115.408	246.78%	custom configs**	44.4457	7.0390	15.84%	784	4600	586.73%
	1000000	1000000 100	custom configs** with max open files =2000	45.1696	115.408	255.50%	custom configs** with max open files =2000	41.8457	7.0390	16.82%	784	4600	586.73%
	1000000	1000000 100	default	44.8060	121.477	271.12%	Compacted into Single SST***, no bloom filter, no compression (RocksDb Java)	34.7649	7.0390	20.25%	1400	4600	328.57%
	1000000	1000000 100	Disable compression and checksum	42.5988	121.477	285.17%	Disable compression and checksum	43.4521	7.0390	16.20%	1400	4600	328.57%
	1000000	1000000 100	Disable compression	42.9731	121.477	282.68%	Disable compression	45.0402	7.0390	15.63%	1400	4600	328.57%
	1000000	1000000 100	Disable checksum	42.3029	121.477	287.16%	Disable checksum	61.9078	7.0390	11.37%	742	4600	619.95%
Bloom filter configs*	Prefix Bloom filter size = 10 bits; Prefix extractor = CappedPrefixTransform; Prefix size = 16 bytes												
:ustom configs**	RocksDbKVStoreConfig3 in codebase												
cted into Single SST***	Using LDB tool provided by RocksDb												