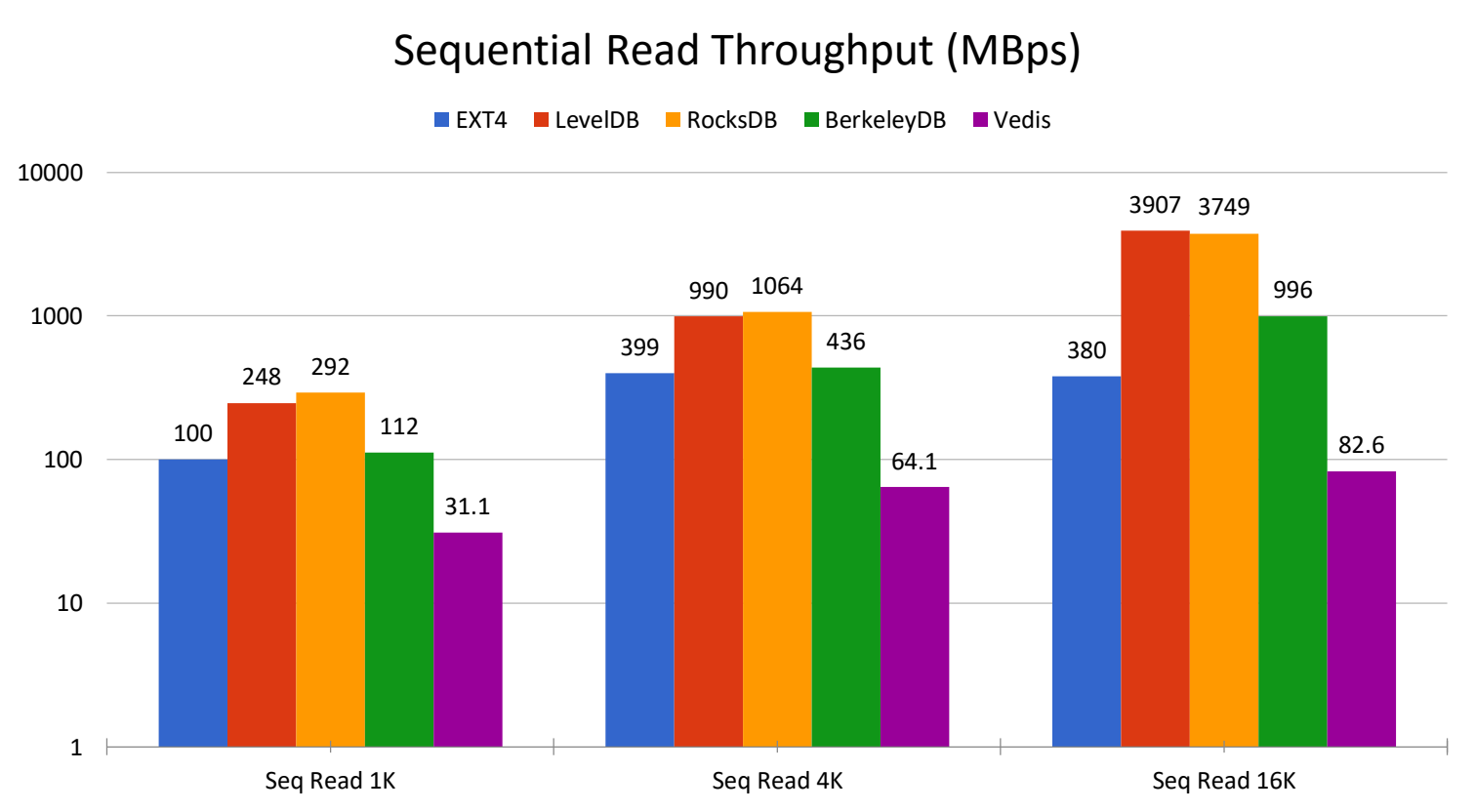
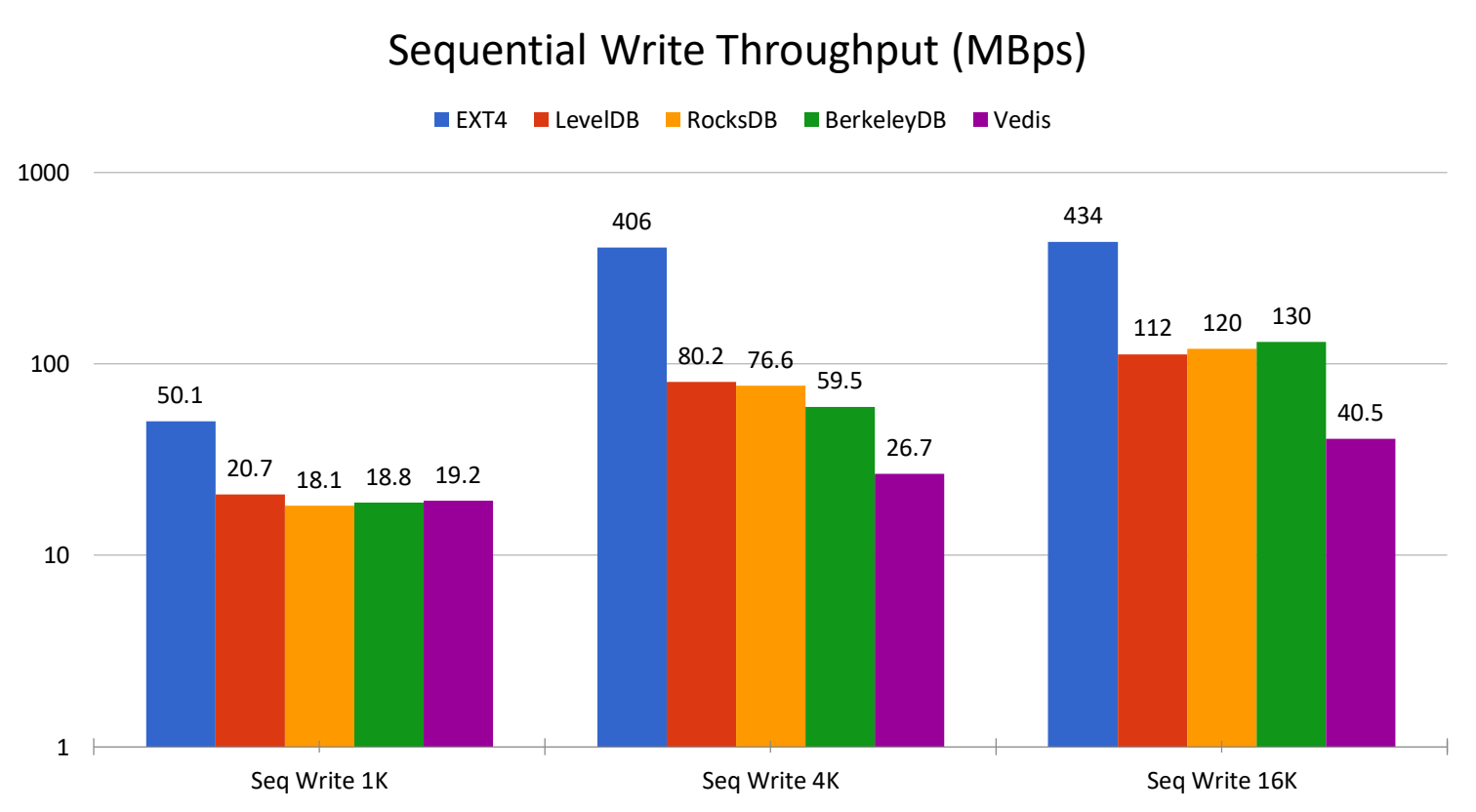
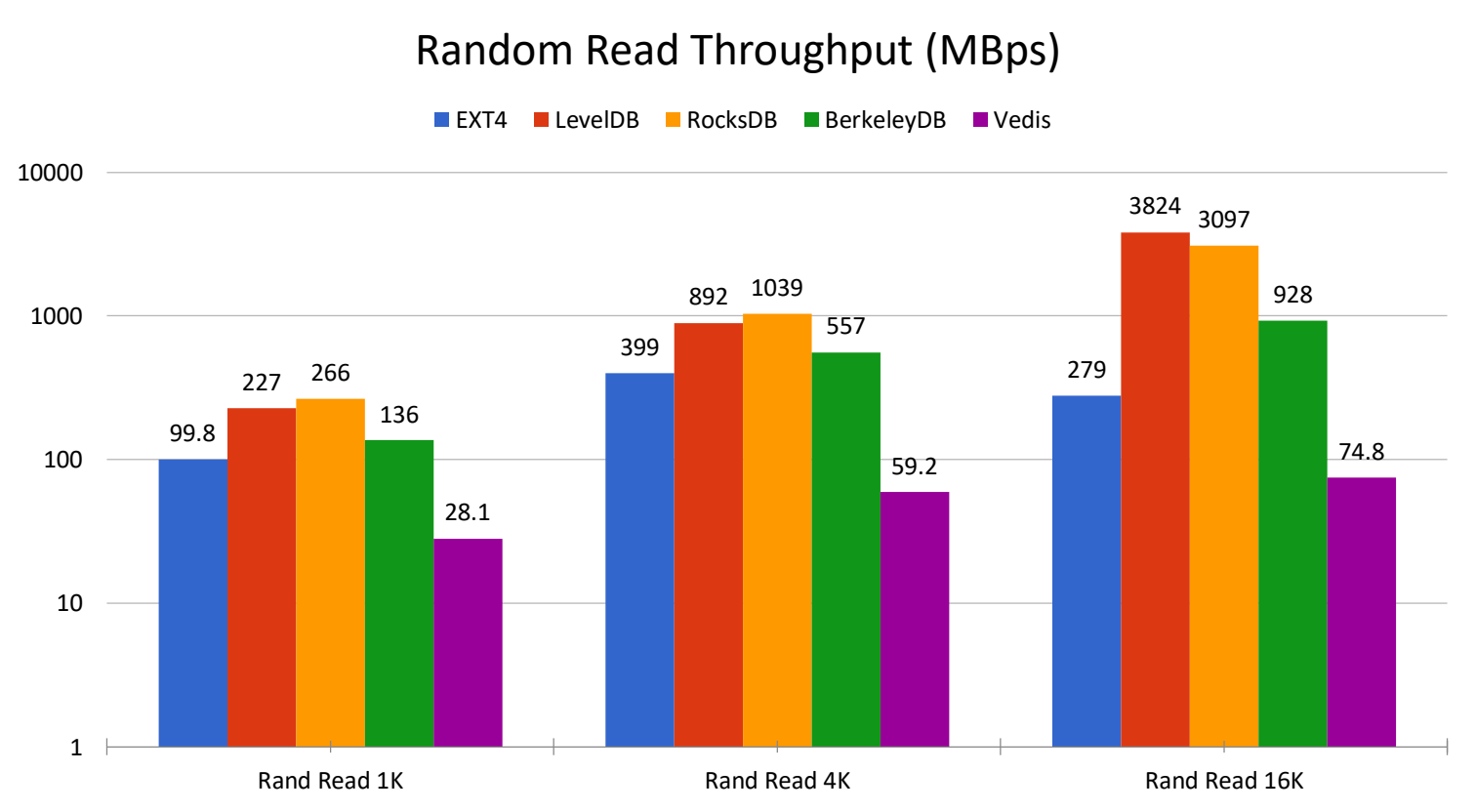
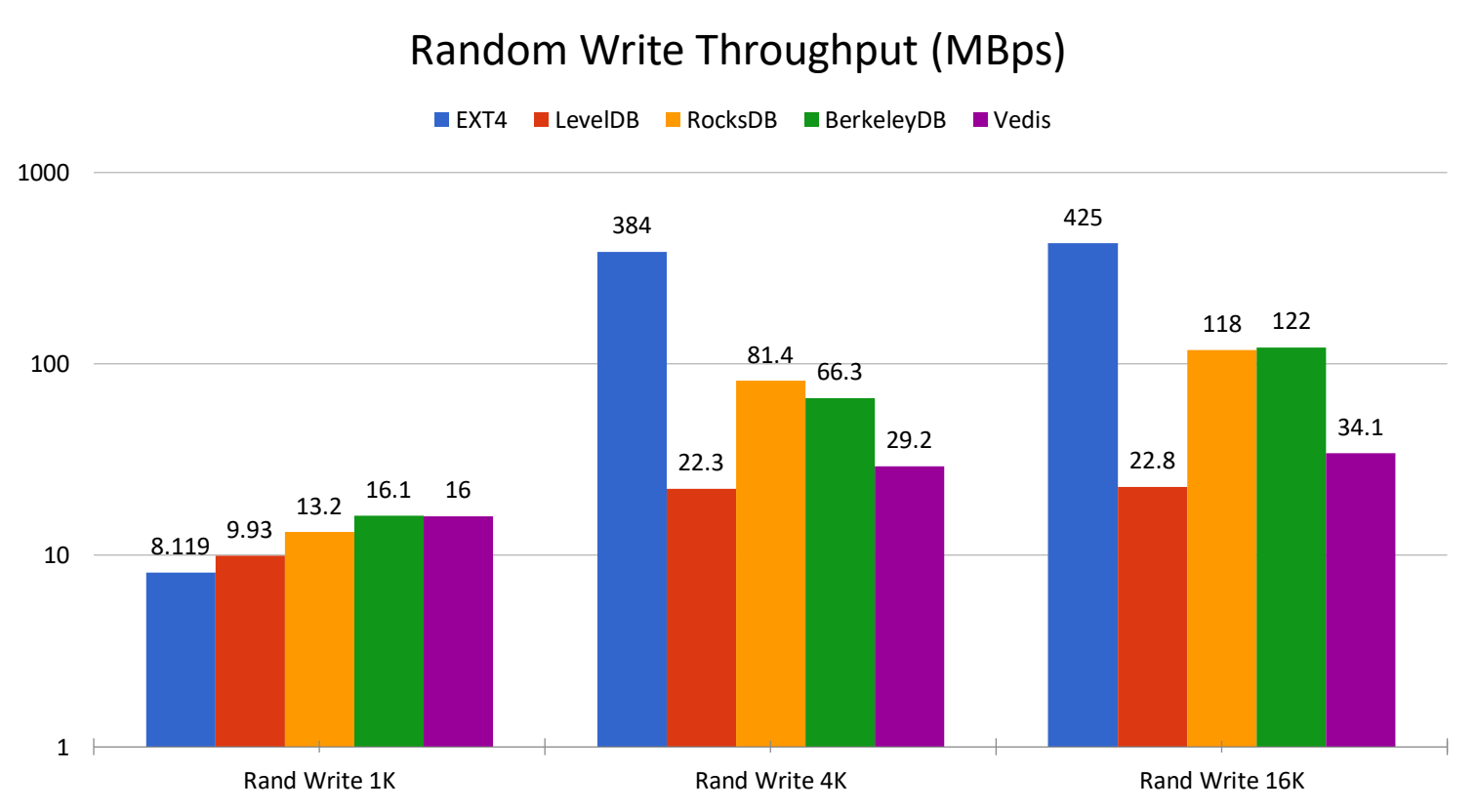
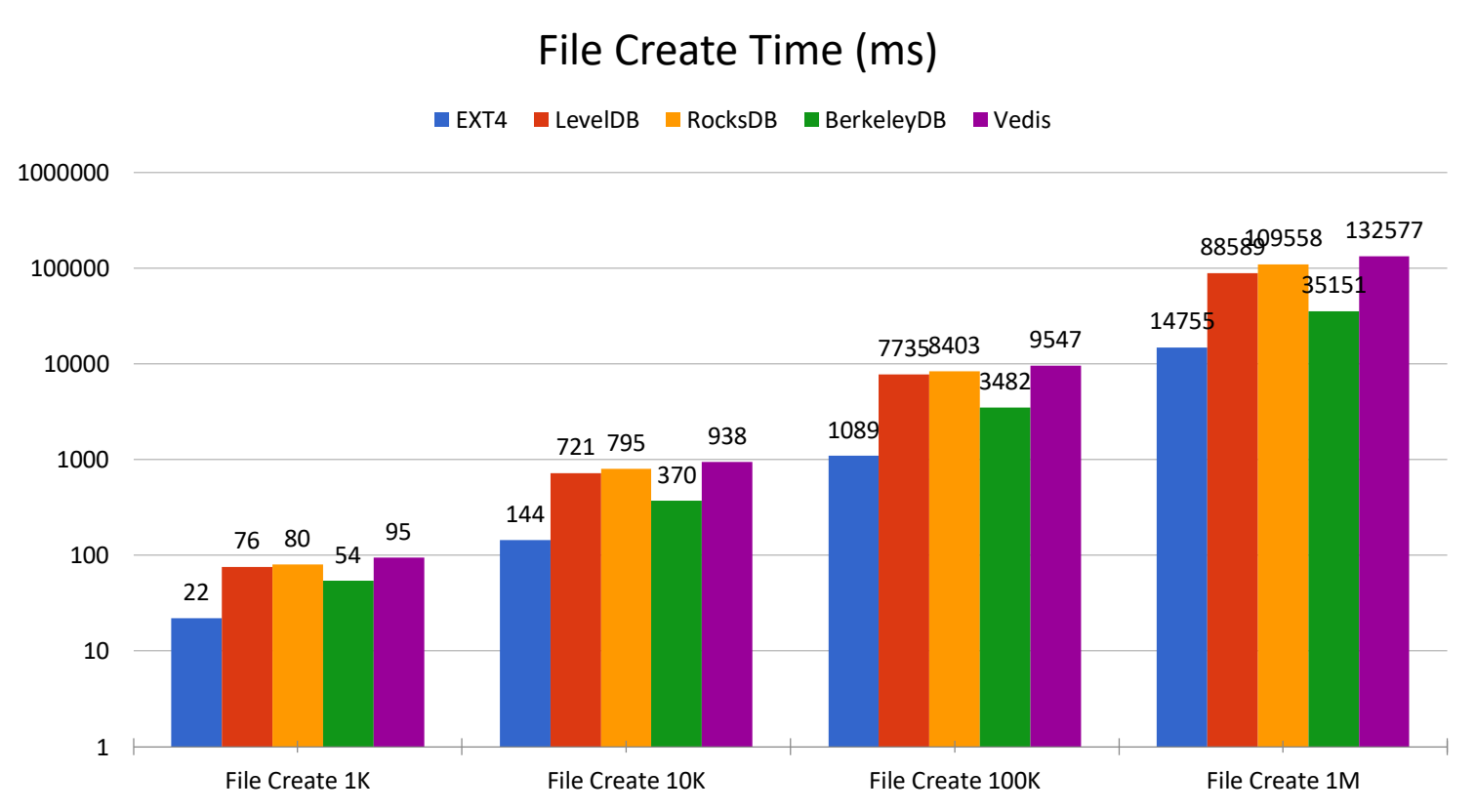
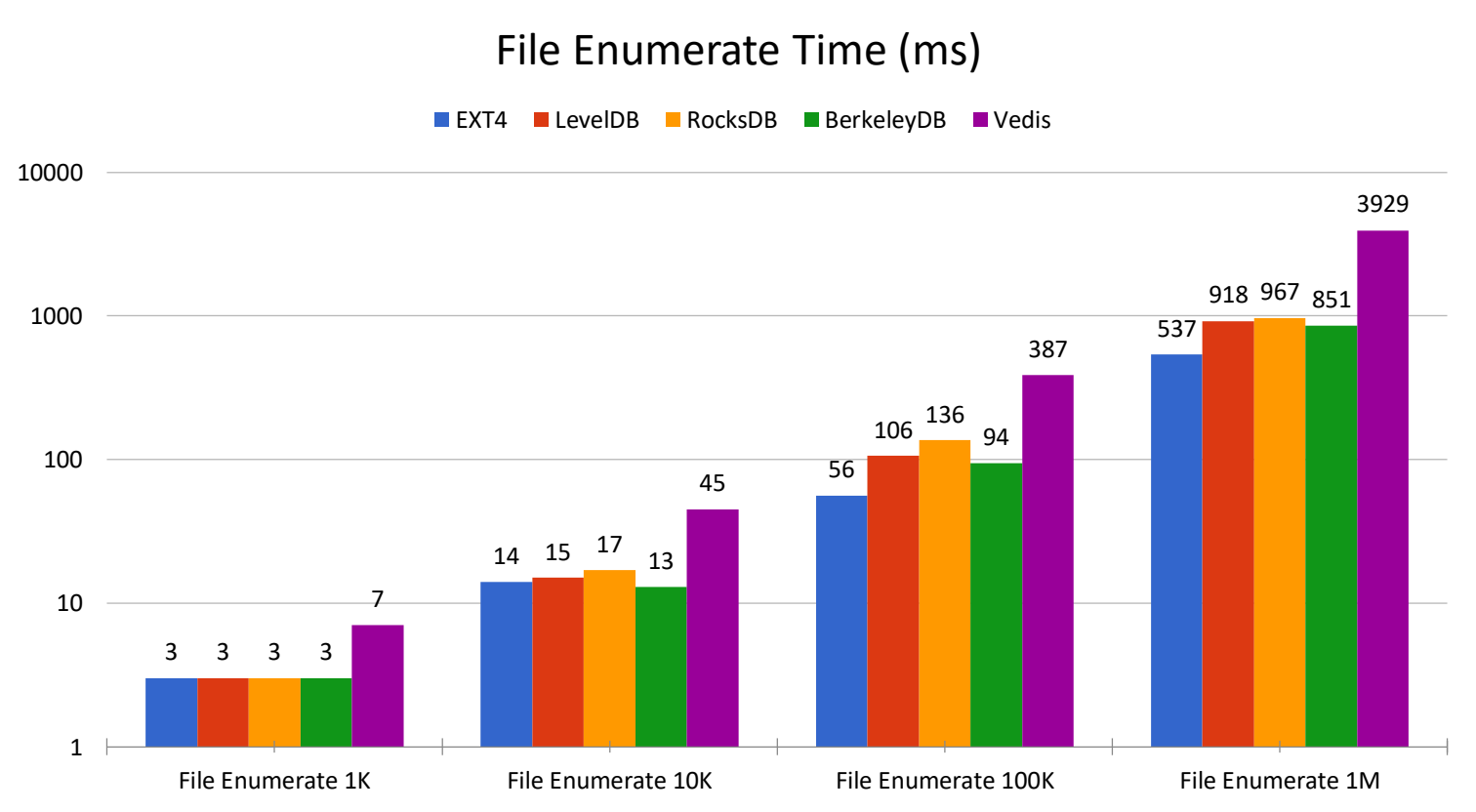

Sequential Read Throughput (MBps)
EXT4
LevelDB
RocksDB
BerkeleyDB
Vedis
10000
1000
100
10
1
100
248
292
112
31.1
399
990
1064
436
64.1
380
3907
3749
996
82.6
Seq Read 1K
Seq Read 4K
Seq Read 16K


Sequential Write Throughput (MBps)
EXT4
LevelDB
RocksDB
BerkeleyDB
Vedis
1000
100
10
1
50.1
20.7
18.1
18.8
19.2
406
80.2
76.6
59.5
26.7
434
112
120
130
40.5
Seq Write 1K
Seq Write 4K
Seq Write 16K


Random Read Throughput (MBps)
EXT4
LevelDB
RocksDB
BerkeleyDB
Vedis
10000
1000
100
10
1
99.8
227
266
136
28.1
399
892
1039
557
59.2
279
3824
3097
928
74.8
Rand Read 1K
Rand Read 4K
Rand Read 16K


Random Write Throughput (MBps)
EXT4
LevelDB
RocksDB
BerkeleyDB
Vedis
1000
100
10
1
8.119
9.93
13.2
16.1
16
384
22.3
81.4
66.3
29.2
425
22.8
118
122
34.1
Rand Write 1K
Rand Write 4K
Rand Write 16K


File Create Time (ms)
EXT4
LevelDB
RocksDB
BerkeleyDB
Vedis
1000000
100000
10000
1000
100
10
1
22
76
80
54
95
144
721
795
370
938
1089
7735
8403
3482
9547
14755
88589
109558
35151
132577
File Create 1K
File Create 10K
File Create 100K
File Create 1M


File Enumerate Time (ms)
EXT4
LevelDB
RocksDB
BerkeleyDB
Vedis
10000
1000
100
10
1
3
3
3
3
7
14
15
17
13
45
56
106
136
94
387
537
918
967
851
3929
File Enumerate 1K
File Enumerate 10K
File Enumerate 100K
File Enumerate 1M