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Intel Core i7-8565U testing on Microsoft Windows 10 Enterprise LTSC Build 17763 via the Phoronix Test Suite.

Test Systems:

Oracle VirtIO Disk

Processor: Intel Core i7-8565U @ 2.00GHz (2 Cores), Memory: 4193MB, Disk: 80GB Oracle VirtIO Disk, Graphics: Intel UHD 620 1GB

OS: Microsoft Windows 10 Enterprise LTSC Build 17763, Kernel: 10.0 (x86_64), Display Driver: 27.20.100.8681, File-System: NTFS, Screen Resolution: 1920x1080

Security Notes: __user pointer sanitization: Disabled + IBPB: Always + IBRS: Enabled + STIBP: Enabled

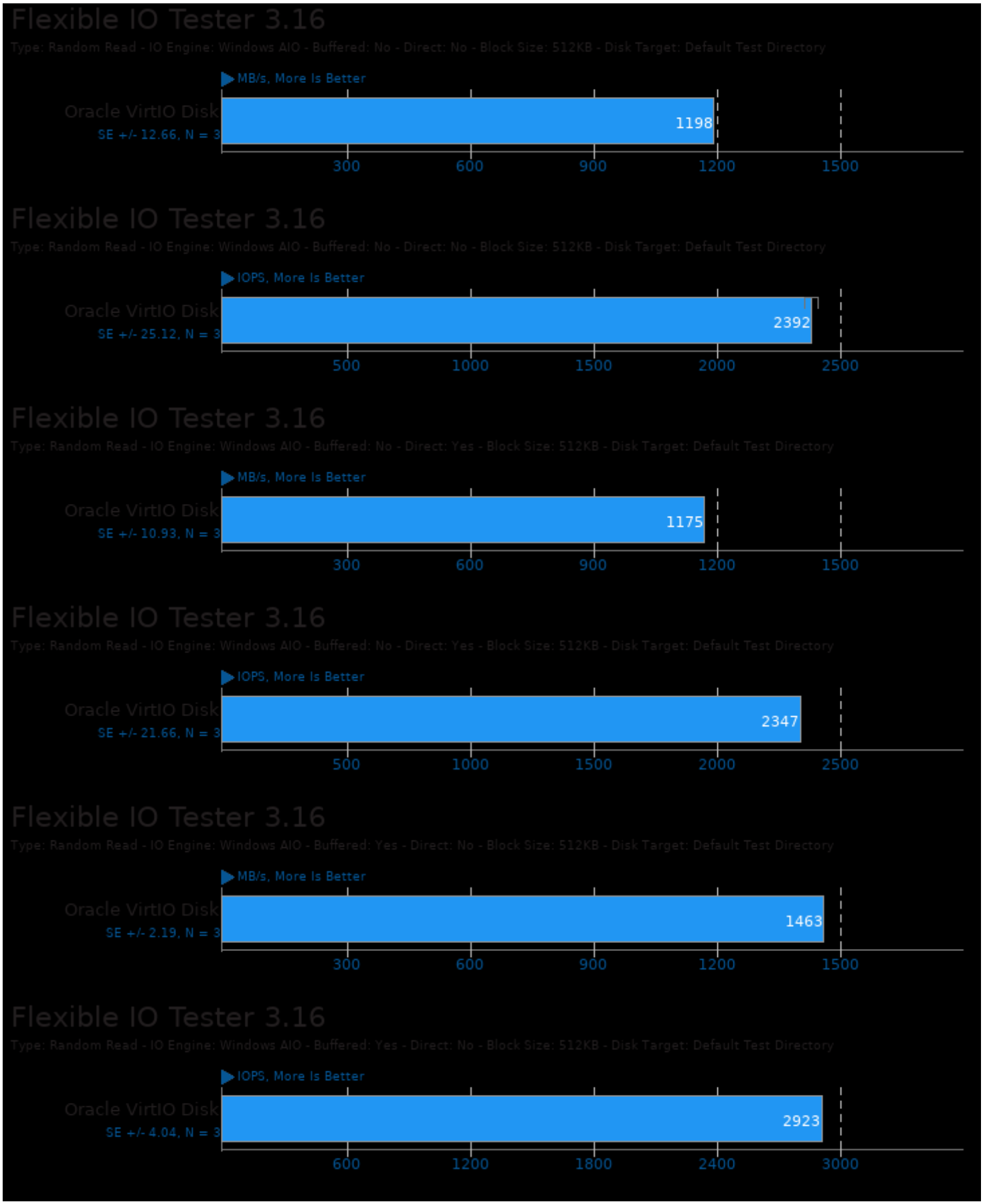
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	Oracle VirtIO Disk
Flexible IO Tester - Rand Read - Windows AIO - No - No - 512KB (MB/s)	1198
Standard Deviation	1.8%
Flexible IO Tester - Rand Read - Windows AIO - No - No - 512KB (IOPS)	2392
Standard Deviation	1.8%
Flexible IO Tester - Rand Read - Windows AIO - No - Yes - 512KB (MB/s)	1175
Standard Deviation	1.6%
Flexible IO Tester - Rand Read - Windows AIO - No - Yes - 512KB (IOPS)	2347
Standard Deviation	1.6%
Flexible IO Tester - Rand Read - Windows AIO - Yes - No - 512KB (MB/s)	1463
Standard Deviation	0.3%
Flexible IO Tester - Rand Read - Windows AIO - Yes - No - 512KB (IOPS)	2923
Standard Deviation	0.2%
Flexible IO Tester - Rand Write - Windows AIO - No - No - 512KB (MB/s)	376
Standard Deviation	7.1%
Flexible IO Tester - Rand Write - Windows AIO - No - No - 512KB (IOPS)	749
Standard Deviation	7.2%
Flexible IO Tester - Rand Read - Windows AIO - Yes - Yes - 512KB (MB/s)	1513
Standard Deviation	0.9%
Flexible IO Tester - Rand Read - Windows AIO - Yes - Yes - 512KB (IOPS)	3021
Standard Deviation	0.9%
Flexible IO Tester - Rand Write - Windows AIO - No - Yes - 512KB (MB/s)	380
Standard Deviation	0.5%
Flexible IO Tester - Rand Write - Windows AIO - No - Yes - 512KB (IOPS)	757
Standard Deviation	0.6%
Flexible IO Tester - Rand Write - Windows AIO - Yes - No - 512KB (MB/s)	156
Flexible IO Tester - Rand Write - Windows AIO - Yes - No - 512KB (IOPS)	308
Standard Deviation	1%
Flexible IO Tester - Rand Write - Windows AIO - Yes - Yes - 512KB (MB/s)	158
Standard Deviation	1.6%
Flexible IO Tester - Rand Write - Windows AIO - Yes - Yes - 512KB (IOPS)	311
Standard Deviation	1.3%
Flexible IO Tester - Seq Read - Windows AIO - No - No - 512KB	1186
Standard Deviation	0.1%
Flexible IO Tester - Seq Read - Windows AIO - No - No - 512KB (IOPS)	2369

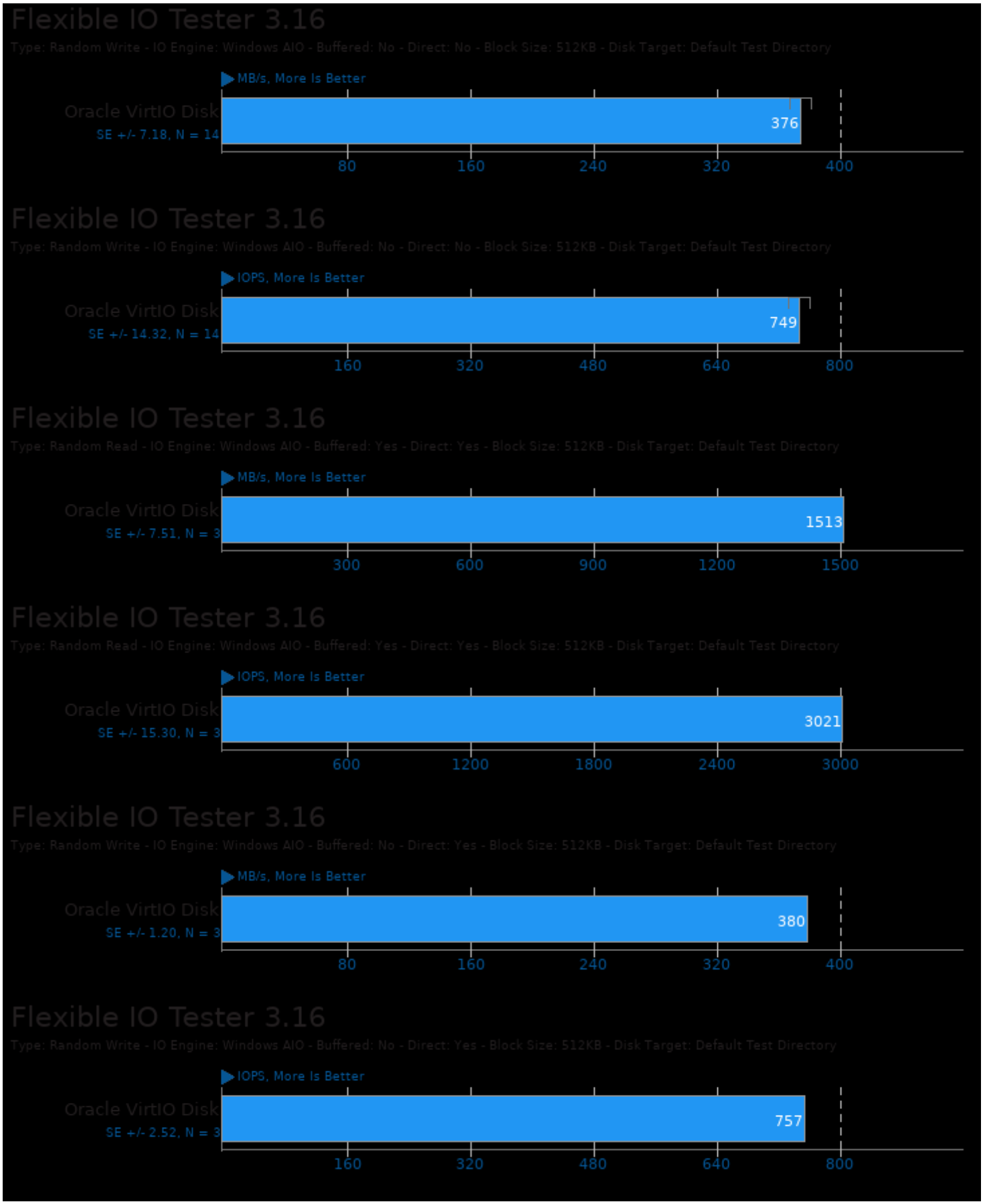
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Standard Deviation	0.1%
Flexible IO Tester - Seq Read - Windows AIO - No - Yes - 512KB	1179
Standard Deviation	2.9%
Flexible IO Tester - Seq Read - Windows AIO - No - Yes - 512KB (IOPS)	2354
Standard Deviation	2.8%
Flexible IO Tester - Seq Read - Windows AIO - Yes - No - 512KB	1228
Standard Deviation	27.3%
Flexible IO Tester - Seq Read - Windows AIO - Yes - No - 512KB (IOPS)	2452
Standard Deviation	27.3%
Flexible IO Tester - Seq Write - Windows AIO - No - No - 512KB	188
Standard Deviation	1.4%
Flexible IO Tester - Seq Write - Windows AIO - No - No - 512KB	372
Standard Deviation	1.5%
Flexible IO Tester - Seq Read - Windows AIO - Yes - Yes - 512KB (MB/s)	1431
Standard Deviation	1.6%
Flexible IO Tester - Seq Read - Windows AIO - Yes - Yes - 512KB (IOPS)	2858
Standard Deviation	1.6%
Flexible IO Tester - Seq Write - Windows AIO - No - Yes - 512KB	197
Flexible IO Tester - Seq Write - Windows AIO - No - Yes - 512KB	391
Flexible IO Tester - Seq Write - Windows AIO - Yes - No - 512KB	165
Standard Deviation	3%
Flexible IO Tester - Seq Write - Windows AIO - Yes - No - 512KB	326
Standard Deviation	2.9%
Flexible IO Tester - Seq Write - Windows AIO - Yes - Yes - 512KB (MB/s)	162
Standard Deviation	2.8%
Flexible IO Tester - Seq Write - Windows AIO - Yes - Yes - 512KB (IOPS)	321
Standard Deviation	2.8%

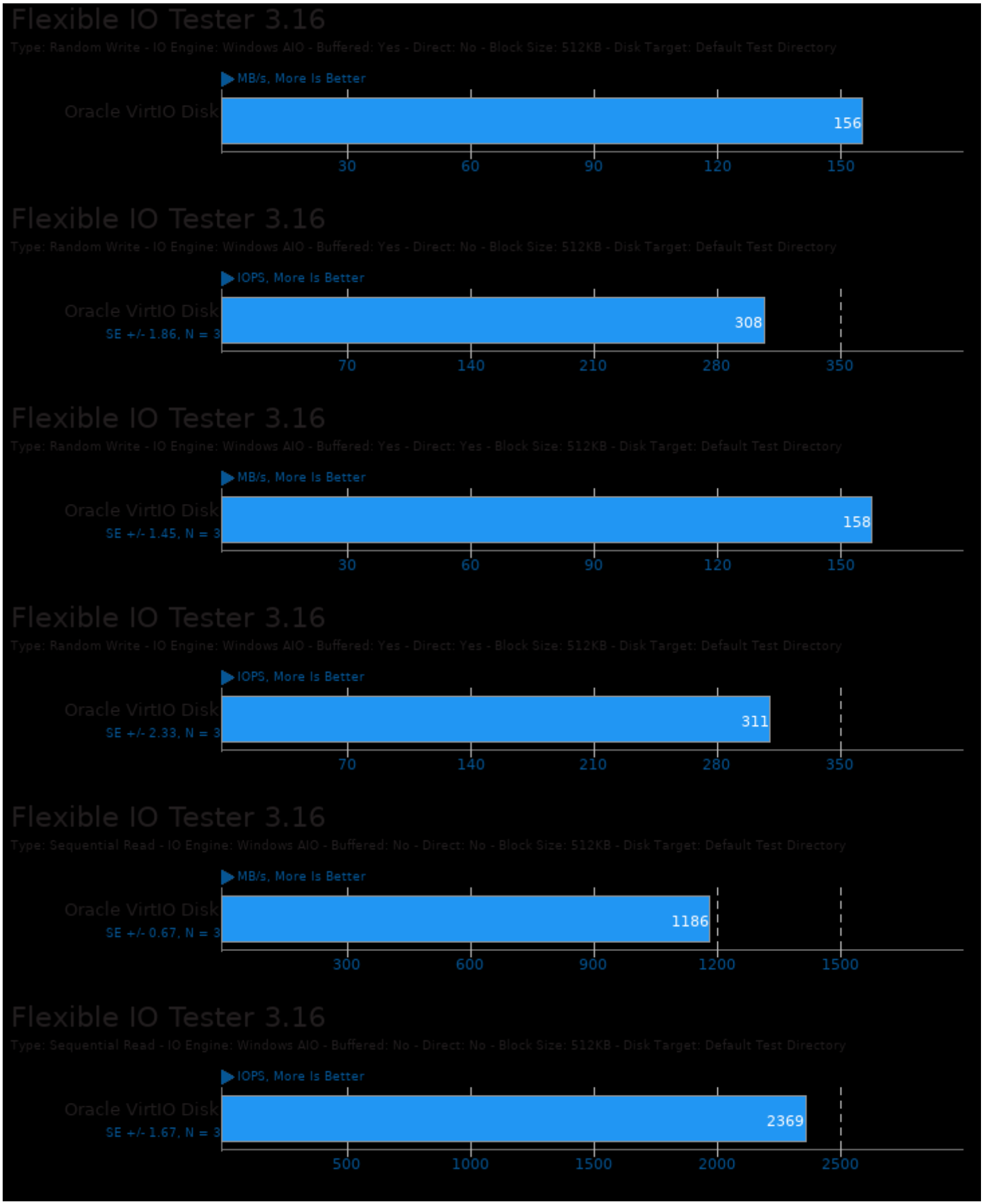
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Flexible IO Tester 3.16
Type: Random Read - IO Engine: Windows AIO - Buffered: No - Direct: No - Block Size: 512KB - Disk Target: Default Test Directory
MB/s, More Is Better
Oracle VirtIO Disk
SE +/- 12.66, N = 3
1198
300
600
900
1200
1500
Flexible IO Tester 3.16
Type: Random Read - IO Engine: Windows AIO - Buffered: No - Direct: No - Block Size: 512KB - Disk Target: Default Test Directory
IOPS, More Is Better
Oracle VirtIO Disk
SE +/- 25.12, N = 3
2392
500
1000
1500
2000
2500
Flexible IO Tester 3.16
Type: Random Read - IO Engine: Windows AIO - Buffered: No - Direct: Yes - Block Size: 512KB - Disk Target: Default Test Directory
MB/s, More Is Better
Oracle VirtIO Disk
SE +/- 10.93, N = 3
1175
300
600
900
1200
1500
Flexible IO Tester 3.16
Type: Random Read - IO Engine: Windows AIO - Buffered: No - Direct: Yes - Block Size: 512KB - Disk Target: Default Test Directory
IOPS, More Is Better
Oracle VirtIO Disk
SE +/- 21.66, N = 3
2347
500
1000
1500
2000
2500
Flexible IO Tester 3.16
Type: Random Read - IO Engine: Windows AIO - Buffered: Yes - Direct: No - Block Size: 512KB - Disk Target: Default Test Directory
MB/s, More Is Better
Oracle VirtIO Disk
SE +/- 2.19, N = 3
1463
300
600
900
1200
1500
Flexible IO Tester 3.16
Type: Random Read - IO Engine: Windows AIO - Buffered: Yes - Direct: No - Block Size: 512KB - Disk Target: Default Test Directory
IOPS, More Is Better
Oracle VirtIO Disk
SE +/- 4.04, N = 3
2923
600
1200
1800
2400
3000

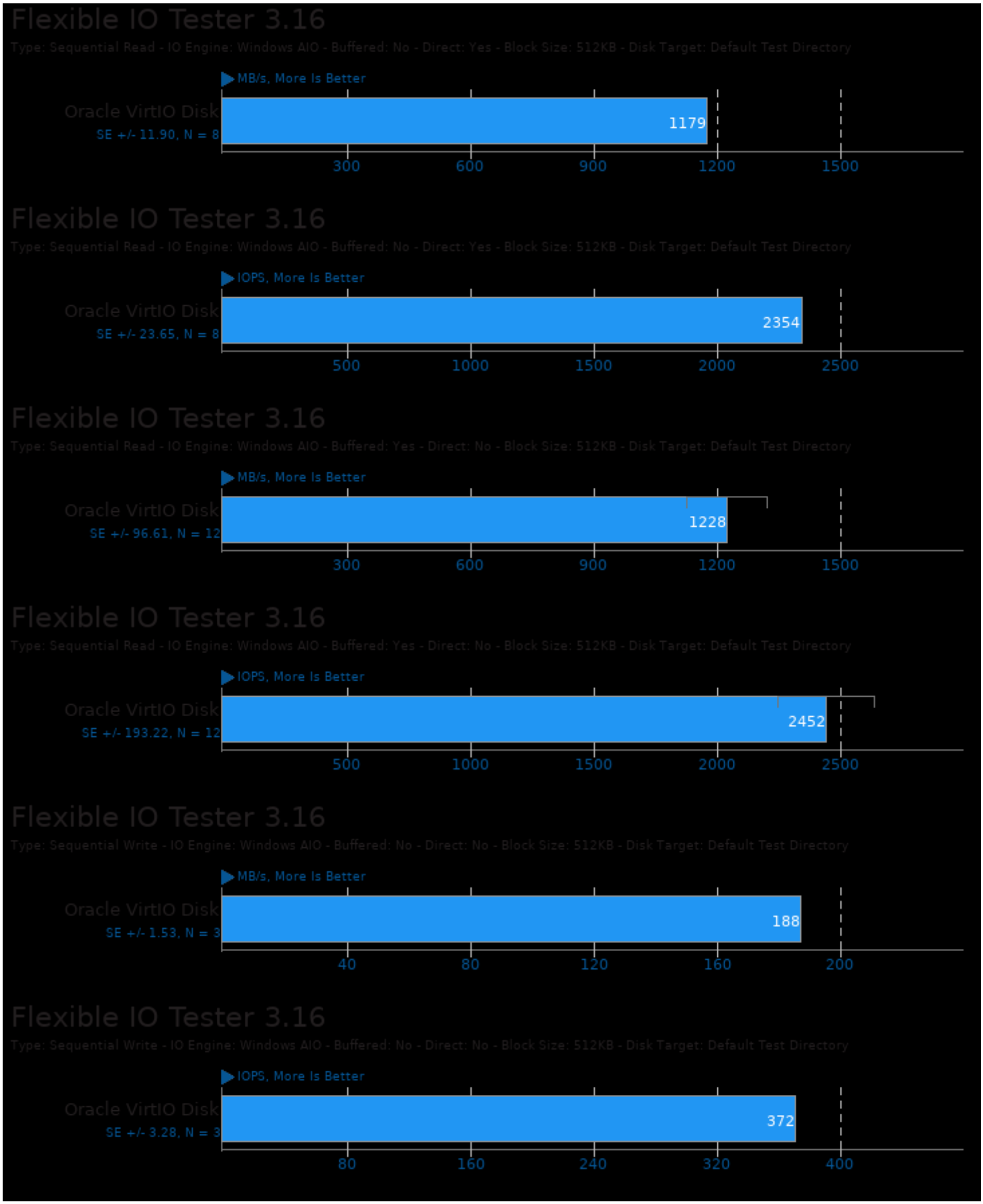
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Flexible IO Tester 3.16
Type: Random Write - IO Engine: Windows AIO - Buffered: No - Direct: No - Block Size: 512KB - Disk Target: Default Test Directory
MB/s, More Is Better
Oracle VirtIO Disk
SE +/- 7.18, N = 14
376
80
160
240
320
400
Flexible IO Tester 3.16
Type: Random Write - IO Engine: Windows AIO - Buffered: No - Direct: No - Block Size: 512KB - Disk Target: Default Test Directory
IOPS, More Is Better
Oracle VirtIO Disk
SE +/- 14.32, N = 14
749
160
320
480
640
800
Flexible IO Tester 3.16
Type: Random Read - IO Engine: Windows AIO - Buffered: Yes - Direct: Yes - Block Size: 512KB - Disk Target: Default Test Directory
MB/s, More Is Better
Oracle VirtIO Disk
SE +/- 7.51, N = 3
1513
300
600
900
1200
1500
Flexible IO Tester 3.16
Type: Random Read - IO Engine: Windows AIO - Buffered: Yes - Direct: Yes - Block Size: 512KB - Disk Target: Default Test Directory
IOPS, More Is Better
Oracle VirtIO Disk
SE +/- 15.30, N = 3
3021
600
1200
1800
2400
3000
Flexible IO Tester 3.16
Type: Random Write - IO Engine: Windows AIO - Buffered: No - Direct: Yes - Block Size: 512KB - Disk Target: Default Test Directory
MB/s, More Is Better
Oracle VirtIO Disk
SE +/- 1.20, N = 3
380
80
160
240
320
400
Flexible IO Tester 3.16
Type: Random Write - IO Engine: Windows AIO - Buffered: No - Direct: Yes - Block Size: 512KB - Disk Target: Default Test Directory
IOPS, More Is Better
Oracle VirtIO Disk
SE +/- 2.52, N = 3
757
160
320
480
640
800

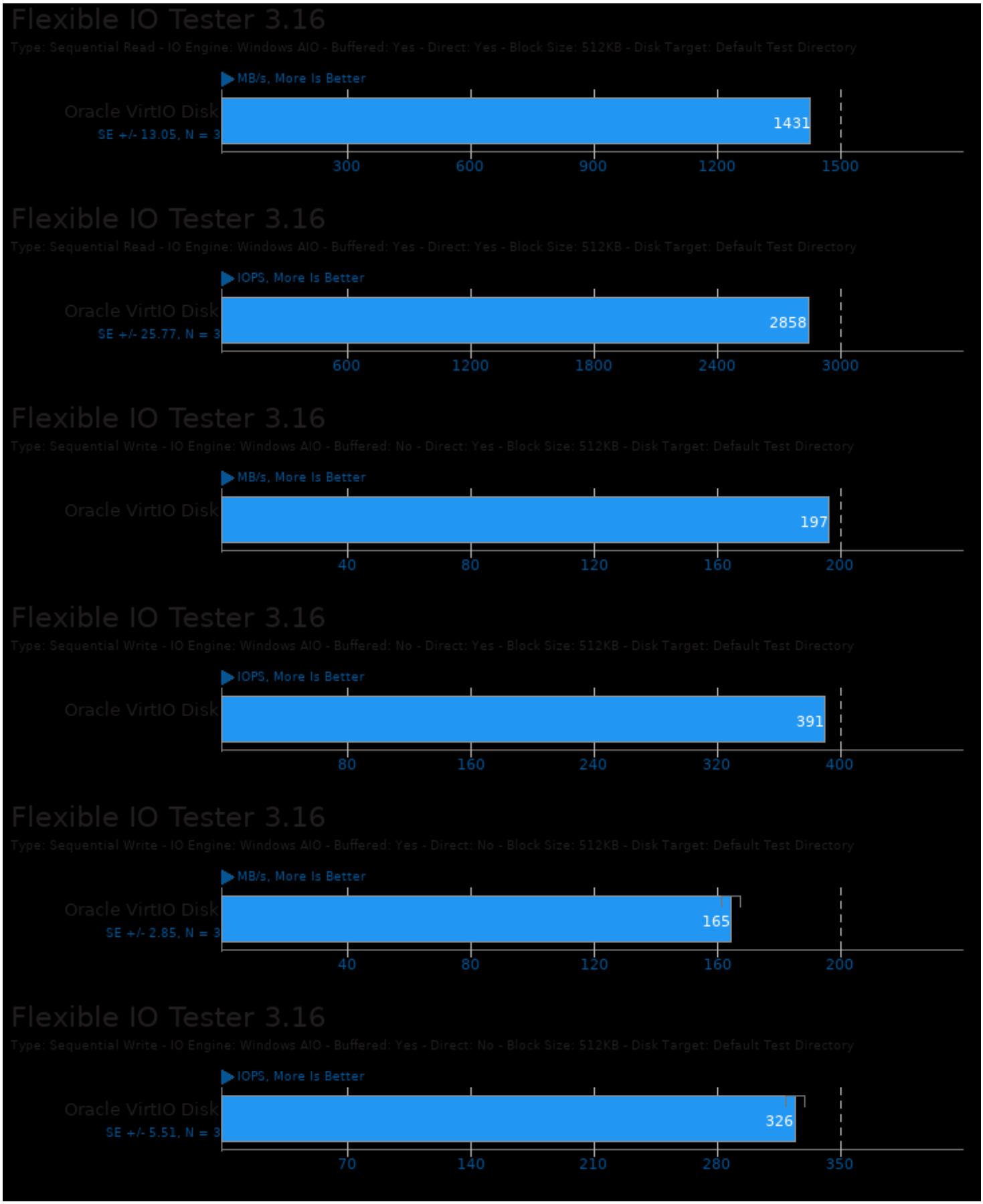
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Flexible IO Tester 3.16
Type: Random Write - IO Engine: Windows AIO - Buffered: Yes - Direct: No - Block Size: 512KB - Disk Target: Default Test Directory
MB/s, More Is Better
Oracle VirtIO Disk
156
30
60
90
120
150
Flexible IO Tester 3.16
Type: Random Write - IO Engine: Windows AIO - Buffered: Yes - Direct: No - Block Size: 512KB - Disk Target: Default Test Directory
IOPS, More Is Better
Oracle VirtIO Disk
SE +/- 1.86, N = 3
308
70
140
210
280
350
Flexible IO Tester 3.16
Type: Random Write - IO Engine: Windows AIO - Buffered: Yes - Direct: Yes - Block Size: 512KB - Disk Target: Default Test Directory
MB/s, More Is Better
Oracle VirtIO Disk
SE +/- 1.45, N = 3
158
30
60
90
120
150
Flexible IO Tester 3.16
Type: Random Write - IO Engine: Windows AIO - Buffered: Yes - Direct: Yes - Block Size: 512KB - Disk Target: Default Test Directory
IOPS, More Is Better
Oracle VirtIO Disk
SE +/- 2.33, N = 3
311
70
140
210
280
350
Flexible IO Tester 3.16
Type: Sequential Read - IO Engine: Windows AIO - Buffered: No - Direct: No - Block Size: 512KB - Disk Target: Default Test Directory
MB/s, More Is Better
Oracle VirtIO Disk
SE +/- 0.67, N = 3
1186
300
600
900
1200
1500
Flexible IO Tester 3.16
Type: Sequential Read - IO Engine: Windows AIO - Buffered: No - Direct: No - Block Size: 512KB - Disk Target: Default Test Directory
IOPS, More Is Better
Oracle VirtIO Disk
SE +/- 1.67, N = 3
2369
500
1000
1500
2000
2500

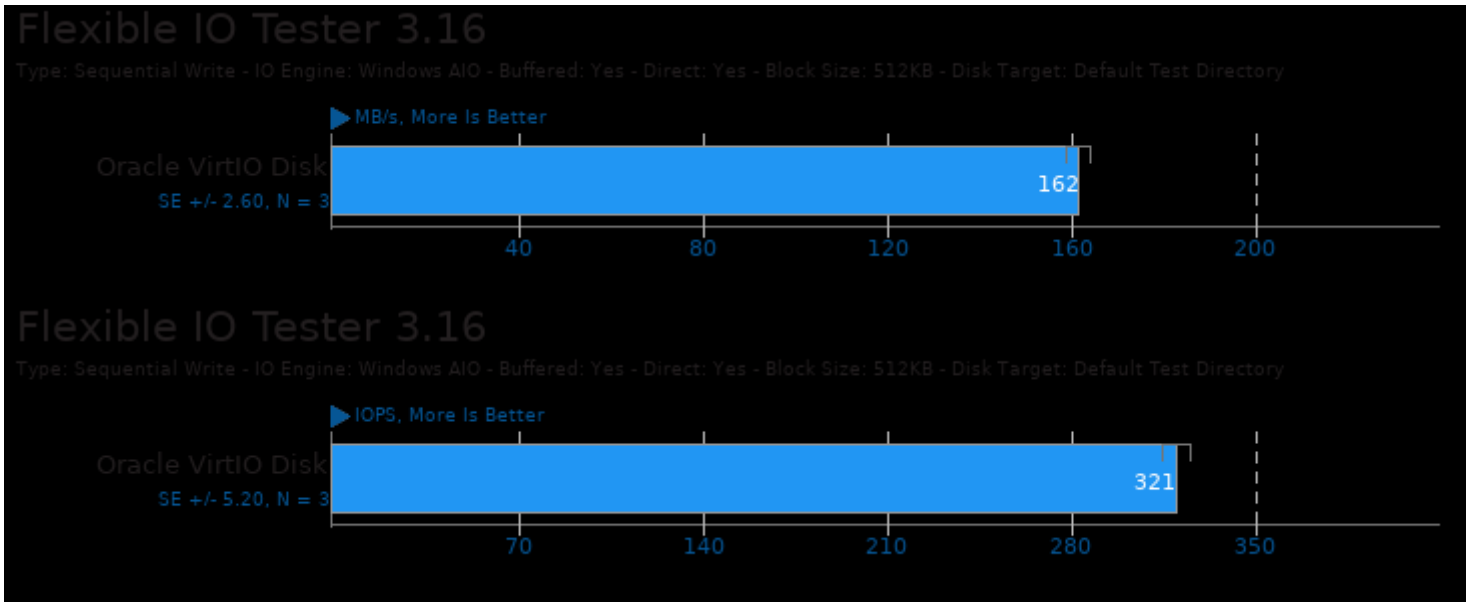
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Flexible IO Tester 3.16
Type: Sequential Read - IO Engine: Windows AIO - Buffered: No - Direct: Yes - Block Size: 512KB - Disk Target: Default Test Directory
MB/s, More Is Better
Oracle VirtIO Disk
SE +/- 11.90, N = 8
1179
300
600
900
1200
1500
Flexible IO Tester 3.16
Type: Sequential Read - IO Engine: Windows AIO - Buffered: No - Direct: Yes - Block Size: 512KB - Disk Target: Default Test Directory
IOPS, More Is Better
Oracle VirtIO Disk
SE +/- 23.65, N = 8
2354
500
1000
1500
2000
2500
Flexible IO Tester 3.16
Type: Sequential Read - IO Engine: Windows AIO - Buffered: Yes - Direct: No - Block Size: 512KB - Disk Target: Default Test Directory
MB/s, More Is Better
Oracle VirtIO Disk
SE +/- 96.61, N = 12
1228
300
600
900
1200
1500
Flexible IO Tester 3.16
Type: Sequential Read - IO Engine: Windows AIO - Buffered: Yes - Direct: No - Block Size: 512KB - Disk Target: Default Test Directory
IOPS, More Is Better
Oracle VirtIO Disk
SE +/- 193.22, N = 12
2452
500
1000
1500
2000
2500
Flexible IO Tester 3.16
Type: Sequential Write - IO Engine: Windows AIO - Buffered: No - Direct: No - Block Size: 512KB - Disk Target: Default Test Directory
MB/s, More Is Better
Oracle VirtIO Disk
SE +/- 1.53, N = 3
188
40
80
120
160
200
Flexible IO Tester 3.16
Type: Sequential Write - IO Engine: Windows AIO - Buffered: No - Direct: No - Block Size: 512KB - Disk Target: Default Test Directory
IOPS, More Is Better
Oracle VirtIO Disk
SE +/- 3.28, N = 3
372
80
160
240
320
400

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Flexible IO Tester 3.16
Type: Sequential Read - IO Engine: Windows AIO - Buffered: Yes - Direct: Yes - Block Size: 512KB - Disk Target: Default Test Directory
MB/s, More Is Better
Oracle VirtIO Disk
SE +/- 13.05, N = 3
1431
300
600
900
1200
1500
Flexible IO Tester 3.16
Type: Sequential Read - IO Engine: Windows AIO - Buffered: Yes - Direct: Yes - Block Size: 512KB - Disk Target: Default Test Directory
IOPS, More Is Better
Oracle VirtIO Disk
SE +/- 25.77, N = 3
2858
600
1200
1800
2400
3000
Flexible IO Tester 3.16
Type: Sequential Write - IO Engine: Windows AIO - Buffered: No - Direct: Yes - Block Size: 512KB - Disk Target: Default Test Directory
MB/s, More Is Better
Oracle VirtIO Disk
197
40
80
120
160
200
Flexible IO Tester 3.16
Type: Sequential Write - IO Engine: Windows AIO - Buffered: No - Direct: Yes - Block Size: 512KB - Disk Target: Default Test Directory
IOPS, More Is Better
Oracle VirtIO Disk
391
80
160
240
320
400
Flexible IO Tester 3.16
Type: Sequential Write - IO Engine: Windows AIO - Buffered: Yes - Direct: No - Block Size: 512KB - Disk Target: Default Test Directory
MB/s, More Is Better
Oracle VirtIO Disk
SE +/- 2.85, N = 3
165
40
80
120
160
200
Flexible IO Tester 3.16
Type: Sequential Write - IO Engine: Windows AIO - Buffered: Yes - Direct: No - Block Size: 512KB - Disk Target: Default Test Directory
IOPS, More Is Better
Oracle VirtIO Disk
SE +/- 5.51, N = 3
326
70
140
210
280
350

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This file was automatically generated via the Phoronix Test Suite benchmarking software on Friday, 29 March 2024 03:42.