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ac100_1204_17012012_ext4_stock_big

ARMv7 rev 0 testing on Ubuntu 12.04 via the Phoronix Test Suite.

Automated Executive Summary

2012-01-17 14:12 had the most wins, coming in first place for 44% of the tests.

Based on the geometric mean of all complete results, the fastest (ac100 12.04 alpha 17.01. ext4) was 1.606x the speed of the slowest (2012-01-17 14:12). nilfs2ac100 was 0.785x the speed of ac100 12.04 alpha 17.01. ext4 and 2012-01-17 14:12 was 0.793x the speed of nilfs2ac100.

Test Systems:

2012-01-17 14:12

ac100 12.04 alpha 17.01. ext4

Processor: ARMv7 rev 0 @ 1.00GHz (2 Cores), Motherboard: Toshiba AC100 / Dynabook AZ, Memory: 435MB, Disk:

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8GB SEM08G

OS: Ubuntu 12.04, Kernel: 3.0.8-4-ac100 (armv7l), Desktop: Unity 2D 5.0.0, Display Server: X Server 1.10.4, Compiler: GCC 4.6, File-System: ext2/ext3, Screen Resolution: 1024x600

nilfs2ac100

Processor: ARMv7 rev 0 @ 1.00GHz (2 Cores), Motherboard: Toshiba AC100 / Dynabook AZ, Memory: 498MB, Disk: 32GB MMC32G

OS: Debian Linux Wheezy/sid, Kernel: 3.0.8 (armv7l), Display Server: X Server 1.11.3.901 (1.11.4 RC 1), Compiler: GCC 4.6, File-System: nilfs, Screen Resolution: 1024x600

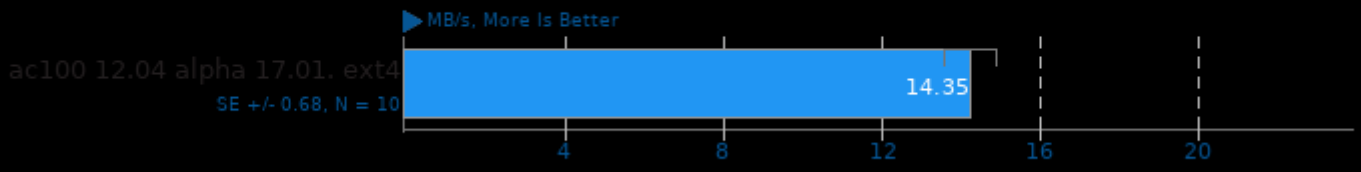
	2012-01-17 14:12	ac100 12.04 alpha 17.01. ext4	nilfs2ac100
hdparm Timed Disk Reads - /dev/mmcblk0p12 (MB/s)		14.35	
Standard Deviation		15.1%	
IOzone - 4Kb - 512MB - Write Performance (MB/s)	**8.95**	8.54	**5.02**
Normalized	100%	95.42%	56.09%
Standard Deviation	3.1%	3.3%	32%
IOzone - 4Kb - 512MB - Read Performance (MB/s)	**14.88**	12.71	**12.35**
Normalized	100%	85.42%	83%
Standard Deviation	1.2%	8.1%	12.9%
IOzone - 64Kb - 512MB - Write Performance (MB/s)	**9.45**	9.13	**5.28**
Normalized	100%	96.61%	55.87%
Standard Deviation	4.2%	2.6%	21.7%
IOzone - 64Kb - 512MB - Read Performance (MB/s)	14.41	**14.46**	**13.28**
Normalized	99.65%	100%	91.84%
Standard Deviation	2%	0.9%	1.7%
Threaded I/O Tester - Write - 32MB - 4 (MB/s)	**7.81**	7.42	**5.46**
Normalized	100%	95.01%	69.91%
Standard Deviation	12.3%	13.6%	3%
Threaded I/O Tester - Rand Write - 32MB - 4 (MB/s)	**0.60**		**4.78**
Normalized	12.55%		100%
Standard Deviation	30.4%		22.5%
Threaded I/O Tester - Read - 32MB - 4 (MB/s)	**17.67**	403.50	**424.32**
Normalized	4.16%	95.09%	100%
Standard Deviation	14%	58.9%	48.9%

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Threaded I/O Tester - Rand Read - 32MB - 4 (MB/s)	**7.35**		**345.80**
Normalized	2.13%		100%
Standard Deviation	7.7%		42.7%
Unpacking The Linux Kernel - linux-2.6.32.tar.bz2 (sec)		**299.82**	**206.19**
Normalized		68.77%	100%
Standard Deviation		9.9%	19.5%

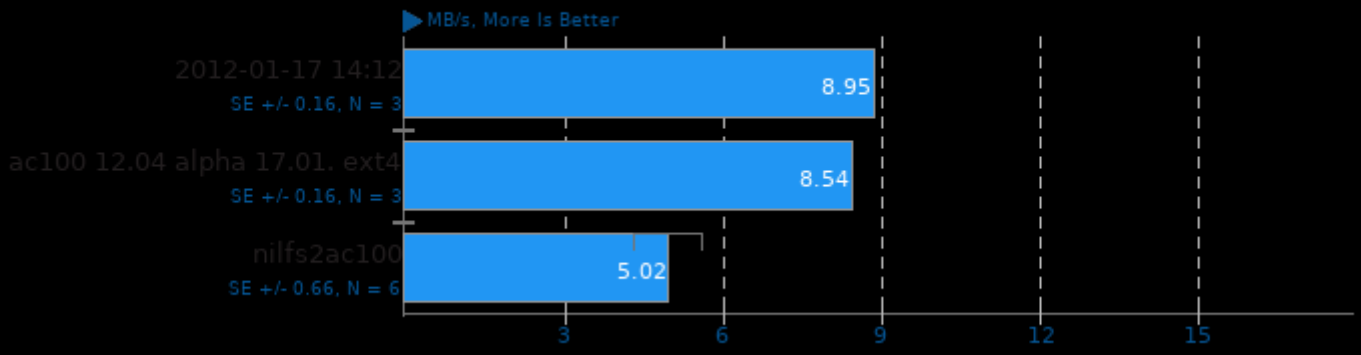
hdparm Timed Disk Reads

Disk To Read: /dev/mmcblk0p12



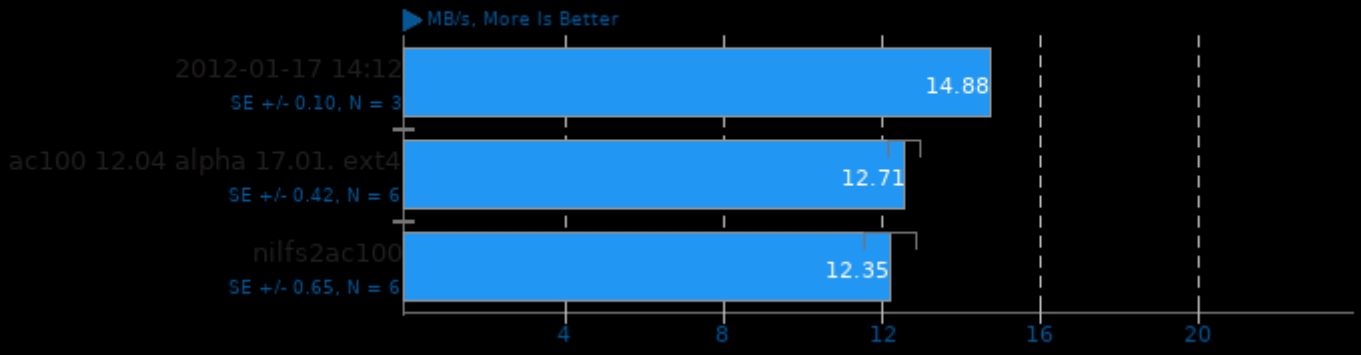
IOzone 3.347

Record Size: 4Kb - File Size: 512MB - Disk Test: Write Performance



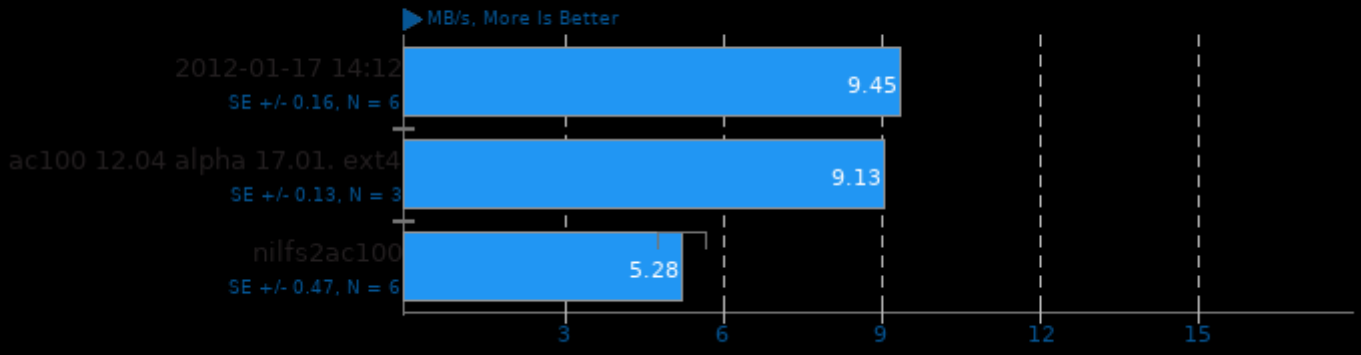
IOzone 3.347

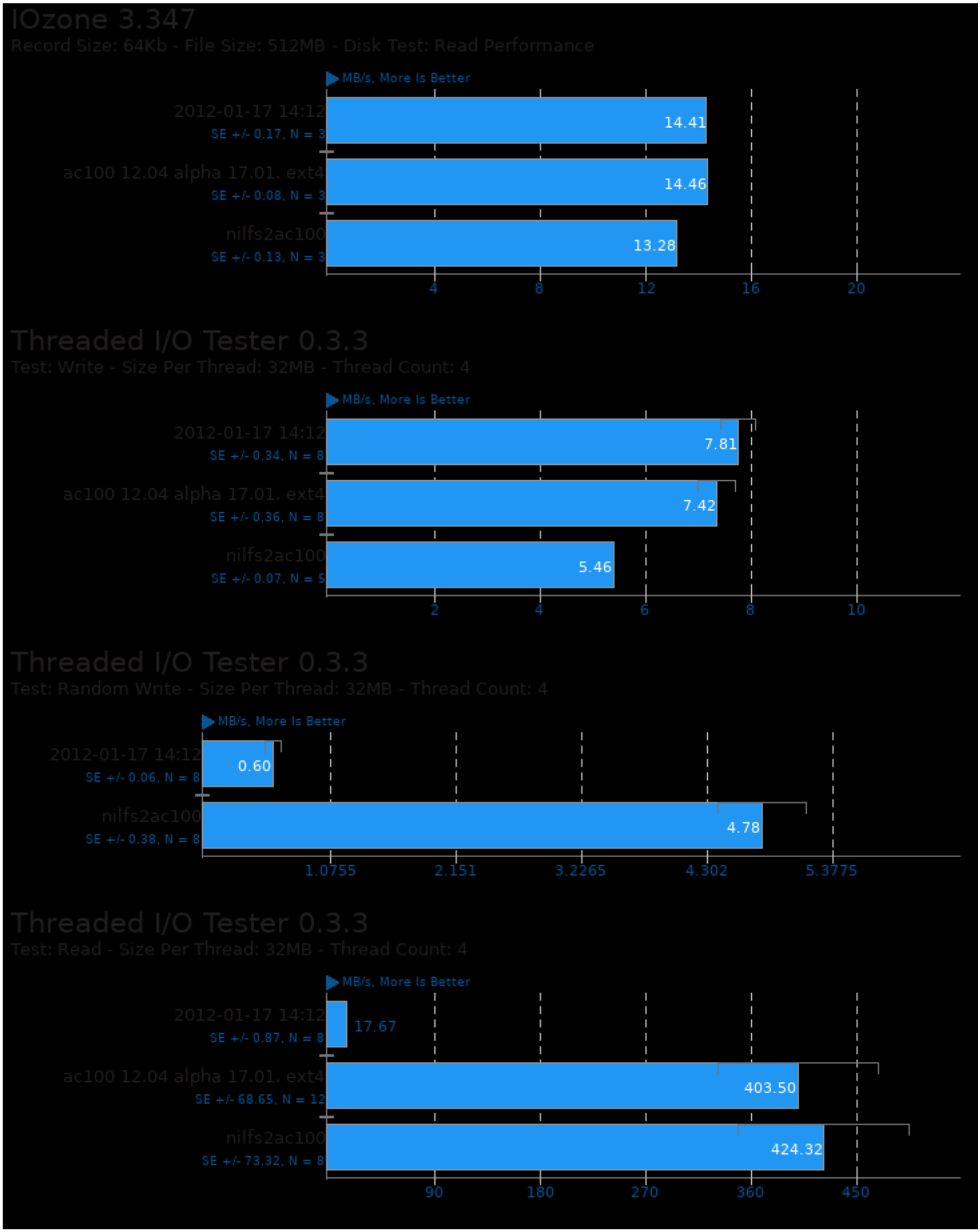
Record Size: 4Kb - File Size: 512MB - Disk Test: Read Performance

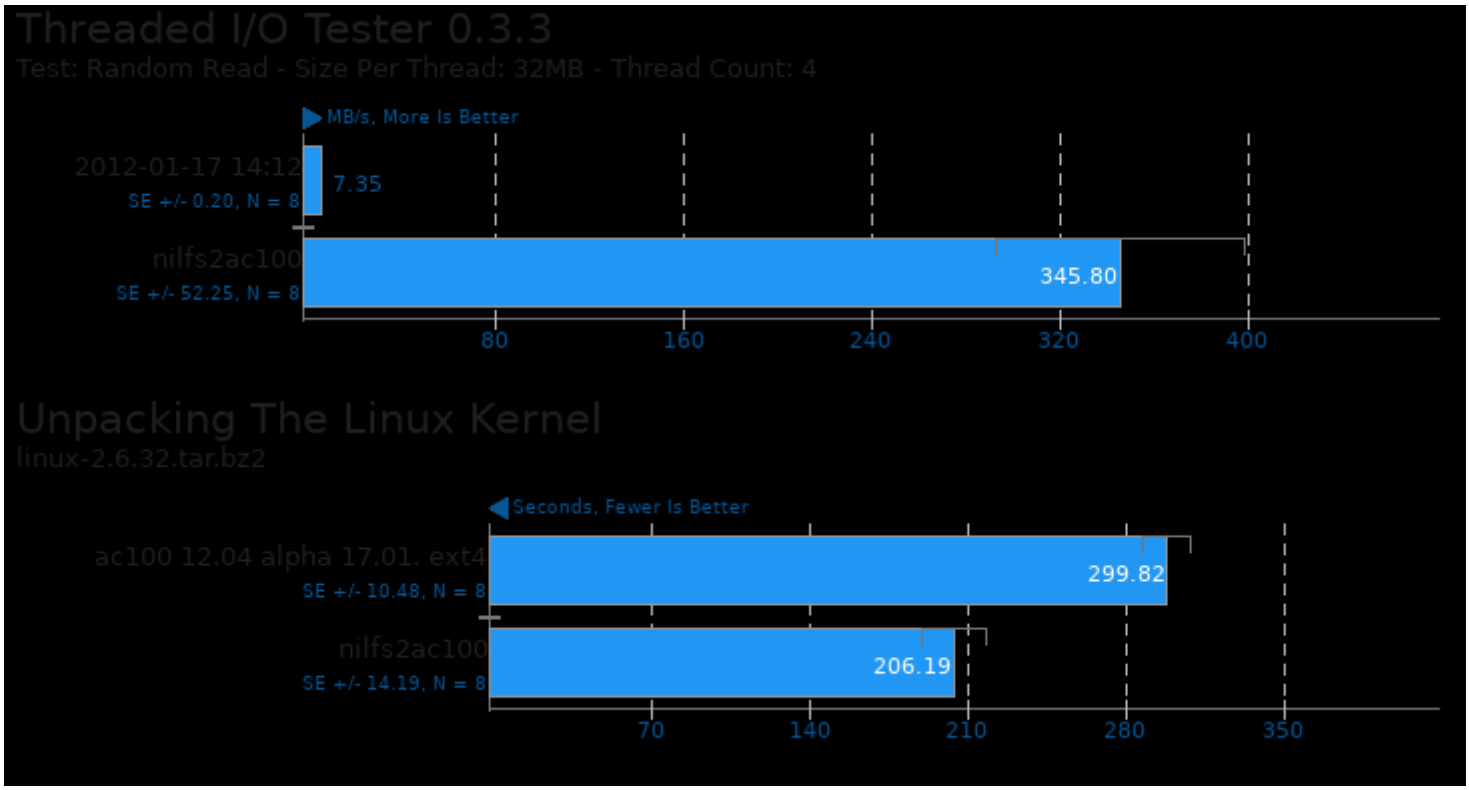


IOzone 3.347

Record Size: 64Kb - File Size: 512MB - Disk Test: Write Performance




IOzone 3.347
Record Size: 64Kb - File Size: 512MB - Disk Test: Read Performance
MB/s, More Is Better
2012-01-17 14:12
SE +/- 0.17, N = 3
14.41
ac100 12.04 alpha 17.01. ext4
SE +/- 0.08, N = 3
14.46
nilfs2ac100
SE +/- 0.13, N = 3
13.28
4
8
12
16
20
Threaded I/O Tester 0.3.3
Test: Write - Size Per Thread: 32MB - Thread Count: 4
MB/s, More Is Better
2012-01-17 14:12
SE +/- 0.34, N = 8
7.81
ac100 12.04 alpha 17.01. ext4
SE +/- 0.36, N = 8
7.42
nilfs2ac100
SE +/- 0.07, N = 5
5.46
2
4
6
8
10
Threaded I/O Tester 0.3.3
Test: Random Write - Size Per Thread: 32MB - Thread Count: 4
MB/s, More Is Better
2012-01-17 14:12
SE +/- 0.06, N = 8
0.60
nilfs2ac100
SE +/- 0.38, N = 8
4.78
1.0755
2.151
3.2265
4.302
5.3775
Threaded I/O Tester 0.3.3
Test: Read - Size Per Thread: 32MB - Thread Count: 4
MB/s, More Is Better
2012-01-17 14:12
SE +/- 0.87, N = 8
17.67
ac100 12.04 alpha 17.01. ext4
SE +/- 68.65, N = 12
403.50
nilfs2ac100
SE +/- 73.32, N = 8
424.32
90
180
270
360
450



This file was automatically generated via the Phoronix Test Suite benchmarking software on Thursday, 28 March 2024 14:43.