

## FreeNAS - Feature #42090

### Add -a and -p to arcstat

08/17/2018 02:02 PM - Nick Principe

<b>Status:</b> Done	<b>Estimated time:</b> 0.00 hour
<b>Priority:</b> No priority	
<b>Assignee:</b> Nick Principe	
<b>Category:</b> OS	
<b>Target version:</b> 11.2-BETA3	
<b>Severity:</b> Low	<b>Needs Merging:</b> No
<b>Reason for Closing:</b>	<b>Needs Automation:</b> No
<b>Reason for Blocked:</b>	<b>Support Suite Ticket:</b> n/a
<b>Needs QA:</b> No	<b>Hardware Configuration:</b>
<b>Needs Doc:</b> No	
<b>Description</b> There are a few enhancements to arcstat.py that would help make it more useful for medium-term data collection and analysis: - Add an option to automatically print all available stats, instead of specifying fields individually, or relying on the pre-canned stat groups - Add an option to disable "pretty printing" of numbers, and leave them as raw numbers without suffixes or having been scaled	
<b>Related issues:</b> Has duplicate FreeNAS - Bug #42317: Improved arcstat. Added -a option to auto... <b>Closed</b>	

#### Associated revisions

##### Revision 9671def7 - 08/20/2018 09:53 AM - Nick Principe

tk42090: Improved arcstat. Added -a option to automatically print all valid st... (#1702)

Improved arcstat. Added -a option to automatically print all valid statistics. Added -p option to suppress scaling of printed data. Changed printing so that there is no longer a trailing separator character at the end of every line.

Ticket: #42090

#### History

##### #1 - 08/17/2018 02:53 PM - Nick Principe

- Status changed from Unscreened to In Progress

##### #2 - 08/20/2018 09:53 AM - Bug Clerk

- Status changed from In Progress to Ready for Testing

PR: <https://github.com/freenas/freenas/pull/1702>

##### #3 - 08/20/2018 10:10 AM - Dru Lavigne

- Has duplicate Bug #42317: Improved arcstat. Added -a option to automatically print all valid st... added

##### #4 - 08/20/2018 10:11 AM - Dru Lavigne

- Subject changed from Enhance arcstat.py to better support long-running CSV collection to Add -a and -p to arcstat

- Needs Merging changed from Yes to No

**#5 - 09/06/2018 08:00 AM - Michael Reynolds**

- Status changed from Ready for Testing to Passed Testing

- Needs QA changed from Yes to No

The a and p fields are there and do what was described.

```
root@freenas[~]# arcstat.py -a
time hits miss read hit% miss% dhit dmis dh% dm% phit pmis ph% pm% mhit mmis mread mh% mm% arcz c mfu mru mfug mrug
eskip mtxmis dread pread
07:59:09 18M 652K 18M 96 3 18M 650K 96 3 6.1K 2.4K 71 28 17M 639K 18M 96 3 858M 8.5G 17M 341K 0 0 1.3K
0 18M 8.5K
```

```
root@freenas[~]# arcstat.py -ap
time hits miss read hit% miss% dhit dmis dh% dm% phit pmis ph% pm% mhit mmis mread mh% mm% arcz c mfu mru mfug mrug
eskip mtxmis dread pread
07:59:16 18075475 652746 18728221 96.51463959123506712143134150 3.48536040876493287856865850 18069339 650345
96.52587618466209151821152537 3.47412381533790848178847463 6136 2401 71.87536605364882277146538597
28.12463394635117722853461403 17718568 639188 18357756 96.51815831956803435016785276 3.48184168043196564983214724
899985272 9129873408 17727619 341757 0 0 1280 0 18719684 8537
```

```
root@freenas[~]# arcstat.py -p
time read miss miss% dmis dm% pmis pm% mmis mm% arcz c
07:59:27 18733959 652755 3.48434092334674160437737693 650354 3.47310730834263708449401034 2401
28.12463394635117722853461403 639195 3.48087884165117585410037066 899985272 9129873408
```

**#8 - 09/07/2018 07:47 AM - Dru Lavigne**

- Status changed from Passed Testing to Done

- Needs Doc changed from Yes to No

New UI Guide commit: <https://github.com/freenas/freenas-docs/commit/5f40104013e3d47d7cabf763055ba2dcaf5ec7c2>

Legacy UI Guide commit: <https://github.com/freenas/freenas-docs/commit/6a80fccd864b5ce1e04780396347b65151eface5>