

Dashboard - Bug #42076

mgr/dashboard: remove rotates column in inventory device list

09/27/2019 03:07 AM - Kiefer Chang

Status: Resolved	% Done: 0%
Priority: Normal	
Assignee:	
Category: General	
Target version: v15.0.0	
Source:	Affected Versions: v15.0.0
Tags: low-hanging-fruit	ceph-qa-suite:
Backport:	Pull request ID: 30921
Regression: No	Crash signature (v1):
Severity: 3 - minor	Crash signature (v2):
Reviewed:	
Description In the device list (e.g. https://tracker.ceph.com/attachments/download/4328/01-hosts-inventory.png) there is already a type column. We can drop the rotates column. This is a suggestion from OSD creation flow discussion (https://tracker.ceph.com/issues/40335#note-12)	
Related issues: Related to Dashboard - Feature #40335: mgr/dashboard: Create OSD on spare disks Resolved	

History

#1 - 09/27/2019 11:13 AM - Lenz Grimmer

- Related to Feature #40335: mgr/dashboard: Create OSD on spare disks added

#2 - 10/01/2019 07:45 AM - Kiefer Chang

I prefer not to hide **rotates** column for now because:

- DriveGroupSpec use it to select devices (https://docs.ceph.com/docs/master/mgr/orchestrator_modules/#ceph.deployment.drive_group.DriveGroupSpec)
- A rotational device is likely to be an HDD, but a non-rotational device doesn't have to be an SSD. It can be an NVME or other device.

#3 - 10/01/2019 07:59 AM - Lenz Grimmer

Kiefer Chang wrote:

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- DriveGroupSpec use it to select devices (https://docs.ceph.com/docs/master/mgr/orchestrator_modules/#ceph.deployment.drive_group.DriveGroupSpec)
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Good point. As they seem related, would it make sense to **combine** both the type and rotational flag in one column then?

#4 - 10/01/2019 10:48 AM - Ernesto Puerta

Kiefer Chang wrote:

I prefer not to hide **rotates** column for now because:

- DriveGroupSpec use it to select devices (https://docs.ceph.com/docs/master/mgr/orchestrator_modules/#ceph.deployment.drive_group.DriveGroupSpec)
- A rotational device is likely to be an HDD, but a non-rotational device doesn't have to be an SSD. It can be an NVME or other device.

Punch card readers would be non-rotational and are/were slower than HDDs. And, NVME is a controller/interface technology; the underlying medium is still solid-state.

I can understand that "rotational" might make sense for kernel developers regarding physical data seeking and queuing policies (<https://github.com/torvalds/linux/commit/1308835ffffe6d61ad1f48c5c381c9cc47f683ec>), but I always found it weird/misguiding to expose it from a user perspective. The property `has_shell` of `Animal` is good hint for their slowness metric, but `Slugs` or `Sloths` have `has_shell = false` and yet slow (perhaps it is the "SI-" thing).

I'd be in favor of HDD/SDD over rotation/non-rotational for indicating IO/latency performance.

#5 - 11/27/2019 10:26 AM - Ricardo Marques

- *Target version set to v15.0.0*

#6 - 11/28/2019 12:20 PM - Volker Theile

- *Status changed from New to Resolved*

- *Pull request ID set to 30921*

#7 - 04/15/2021 05:21 PM - Ernesto Puerta

- *Project changed from mgr to Dashboard*

- *Category changed from dashboard/general to General*