

## mgr - Feature #25160

### mgr/dashboard: Create a "Create Ceph Cluster Pool Configuration" Wizard

07/30/2018 02:19 PM - Stephan Müller

<b>Status:</b>	New	<b>Start date:</b>	07/30/2018
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	0%
<b>Category:</b>	dashboard/pools	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>Reviewed:</b>	
<b>Source:</b>		<b>Affected Versions:</b>	
<b>Tags:</b>		<b>Pull request ID:</b>	
<b>Backport:</b>			
<b>Description</b>			
<p>This issue is a port from this openATTIC <a href="#">issue</a>. For all comments and pictures please look at the original issue.</p> <p>This Wizard should consist of these three steps:</p> <ol style="list-style-type: none"><li>1. Provide a check list of options that this cluster will be used for. e.g. "openstack", "iSCSI", RGW, CephFS. Also, ask for the expected final size of this cluster.</li><li>2. Generate a dialog similar to the ceph PG calculator, which contains a table of all pools that will be created. each pool should be editable and removable.</li><li>3. Apply</li></ol> <p>This wizard will only be useful, if the cluster is newly created.</p> <p>Original Description for creating a single pool:</p> <p>Once the basic/generic functionality for creating a Ceph Pool exists (e.g. the required REST API call), we should consider creating a "Create Pool" Wizard, that guides the user through the required steps.</p> <p>Some rough notes about this that were gathered during a call with SUSE about this:</p> <p>First step after installation - creation of a Crush map depending if there is just one set of disks (one size, all rotational) vs. rotating disk plus SSDs (likely two different sizes?) (<b>Not</b> for SSDs used as journal devices)</p> <p>Crush Map creation? All your disks in one rule set, or use two separate groupings? Reason: to constrain what disks a pool can use (e.g. for creating a cache pool) Can I query an OSD for the size of its disk? Propose a grouping based on what is reported.</p> <p>Create a pool for one of the following purposes</p> <ul style="list-style-type: none"><li>- Replicated or Erasure Coded? =&gt; Explain the pros and cons in sidebar</li><li>- Cache tiering (only if there are separate rule sets)</li></ul> <p>If Erasure Coded: Propose k/m values e.g. 5/3 4/2 (dropdown showing existing profiles), algorithm</p> <ul style="list-style-type: none"><li>- Suggest conservative Placement Group Number (use pgscale algorithm?) (Hint that it can't be decreased and depends on the estimated number of Pools, probably propose a conservative number)</li></ul> <p>Maybe a Checkbox? "Do you intend to create additional pools?"</p> <ul style="list-style-type: none"><li>- Block devices (iSCSI), Virtual Machine Images</li><li>- Generic object storage</li></ul> <p>Note: (Cache tiering does not work with RBDs)</p> <ul style="list-style-type: none"><li>- (CephFS)</li></ul>			

Also See: <http://ceph.com/pgcalc/>

## History

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**#1 - 02/13/2019 11:32 AM - Lenz Grimmer**

- Subject changed from Create a "Create Ceph Cluster Pool Configuration" Wizard to mgr/dashboard: Create a "Create Ceph Cluster Pool Configuration" Wizard