

## Ceph - Feature #1422

### libvirt: rbd storage pool

08/20/2011 09:07 AM - Sage Weil

<b>Status:</b>	Resolved	<b>Start date:</b>	08/20/2011
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Wido den Hollander	<b>% Done:</b>	90%
<b>Category:</b>	librbd	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>Spent time:</b>	66.00 hours
<b>Source:</b>		<b>Reviewed:</b>	
<b>Tags:</b>		<b>Affected Versions:</b>	
<b>Backport:</b>		<b>Pull request ID:</b>	
<b>Description</b>			
<p>The libvirt storage pools let you set up a location/source and then browse images. This would use librbd to browse/manipulate images.</p> <p>It could either handle the librbd source config for qemu VMs, or set up a kernel rbd mapping.</p> <p>Not sure how to map onto the fields you get from libvirt (in the virt-manager gui, at least):</p> <ul style="list-style-type: none"><li>- target path -&gt; ?</li><li>- format (drop down) -&gt; kernel rbd or librbd (qemu-only)</li><li>- host name -&gt; ceph config string, e.g. "-c /etc/ceph/ceph.conf -n client.foo", or "-m monhost -k /path/to/keyring -n client.foo"</li><li>- source path -&gt; pool name</li></ul>			

#### History

##### #1 - 08/22/2011 11:49 AM - Sage Weil

- Target version changed from v0.35 to v0.36
- translation missing: en.field\_position set to 1

##### #2 - 08/31/2011 10:11 PM - Sage Weil

- translation missing: en.field\_position deleted (5)
- translation missing: en.field\_position set to 1
- translation missing: en.field\_position changed from 1 to 845

##### #3 - 09/01/2011 09:05 AM - Sage Weil

- Target version deleted (v0.36)
- translation missing: en.field\_position deleted (849)
- translation missing: en.field\_position set to 2

##### #4 - 09/02/2011 03:43 PM - Sage Weil

- translation missing: en.field\_position deleted (11)
- translation missing: en.field\_position set to 13

##### #5 - 01/04/2012 11:32 AM - Wido den Hollander

- Assignee set to Wido den Hollander
- % Done changed from 0 to 30

I've done some work on this, see: <http://permalink.gmane.org/gmane.comp.file-systems.ceph.devel/4846>

##### #6 - 03/02/2012 07:33 AM - Wido den Hollander

- % Done changed from 30 to 70

Made some more progress on this, code seems to be stable.

Working:

- Single and multiple monitors
- Authentication
- Creating and removing volumes
- Refreshing pools

Missing:

- Valid dumpxml format of a volume
- wiping, downloading, cloning and uploading volumes, this is a limitation of libvirt.

#### **#7 - 04/19/2012 02:10 PM - Sage Weil**

- translation missing: *en.field\_position* deleted (284)

- translation missing: *en.field\_position* set to 14

#### **#8 - 05/14/2012 03:21 AM - Wido den Hollander**

- % Done changed from 70 to 90

I just submitted my patch to the libvirt mailinglist. This is a revised version of the patch and should hopefully make it through:

<https://www.redhat.com/archives/libvir-list/2012-May/msg00717.html>

The commit itself: <https://github.com/wido/libvirt/commit/4fa0ae40e40a061b35f33125ec9aa881d22a1a63>

Setting this one to 90% completed since we are almost there.

#### **#9 - 06/06/2012 09:07 PM - Sage Weil**

- Status changed from *New* to *Resolved*

- translation missing: *en.field\_position* deleted (79)

- translation missing: *en.field\_position* set to 79