

Ceph - Bug #9044

erasure-code: use ruleset instead of ruleid

08/08/2014 06:43 AM - Loic Dachary

Status:	Resolved	Start date:	08/08/2014
Priority:	Urgent	Due date:	
Assignee:	Loic Dachary	% Done:	90%
Category:	OSD	Estimated time:	0.00 hour
Target version:		Spent time:	0.00 hour
Source:	Community (dev)	Reviewed:	
Tags:		Affected Versions:	
Backport:	firefly	ceph-qa-suite:	
Regression:	No	Pull request ID:	
Severity:	3 - minor		

Description

When [ruleset is looked up by name](#) when creating an erasure coded pool, the ruleid is used instead of the ruleset. This works as long as the two are the same, which is true most of the time, but it will lead to unexpected results when it is not.

Reported and discussed in the "context of a pull request":
<https://github.com/ceph/ceph/pull/2221>

Associated revisions

Revision 04a484a4 - 08/10/2014 03:18 PM - Loic Dachary

erasure-code: OSDMonitor::crush_ruleset_create_erasure needs ruleset

When OSDMonitor::crush_ruleset_create_erasure checks the ruleset for existence, it must convert the ruleid into a ruleset before assigning it back to the *ruleset parameter.

<http://tracker.ceph.com/issues/9044> Fixes: #9044

Signed-off-by: Loic Dachary <loic@dachary.org>

Revision 0029a358 - 08/10/2014 03:18 PM - Loic Dachary

erasure-code: ErasureCodeJerasure::create_ruleset must return a ruleset

CrushWrapper::add_simple_ruleset does not return a ruleset, it returns a ruleid that must be converted into a ruleset before being returned.

<http://tracker.ceph.com/issues/9044> Fixes: #9044

Signed-off-by: Loic Dachary <loic@dachary.org>

Revision 3f5d86af - 08/10/2014 03:18 PM - Loic Dachary

erasure-code: ErasureCodelsa::create_ruleaset must return a ruleaset

<http://tracker.ceph.com/issues/9044> Refs: #9044

Signed-off-by: Loic Dachary <loic@dachary.org>

Revision 96047f1d - 08/12/2014 01:53 PM - Loic Dachary

erasure-code: OSDMonitor::crush_ruleaset_create_erasure needs ruleaset

When OSDMonitor::crush_ruleaset_create_erasure checks the ruleaset for existence, it must convert the ruleid into a ruleaset before assigning it back to the *ruleaset parameter.

<http://tracker.ceph.com/issues/9044> Fixes: #9044

Signed-off-by: Loic Dachary <loic@dachary.org>

(cherry picked from commit 04a484a4d5800c9bcf9805d3e87ed0c8dee01c9a)

Revision 07e1ceb5 - 08/12/2014 01:53 PM - Loic Dachary

erasure-code: ErasureCodeJerasure::create_ruleaset must return a ruleaset

CrushWrapper::add_simple_ruleaset does not return a ruleaset, it returns a ruleid that must be converted into a ruleaset before being returned.

<http://tracker.ceph.com/issues/9044> Fixes: #9044

Signed-off-by: Loic Dachary <loic@dachary.org>

(cherry picked from commit 0029a35872d3fc15f9a0d60d095b2e111d6e98a6)

History

#1 - 08/08/2014 06:44 AM - Loic Dachary

- *Description updated*

#2 - 08/09/2014 01:39 AM - Loic Dachary

- *Status changed from Verified to Need Review*

- *% Done changed from 0 to 80*

[associated pull request](#)

#3 - 08/09/2014 09:47 AM - Loic Dachary

- *Backport set to firefly*

#4 - 08/11/2014 04:14 PM - Loic Dachary

- Status changed from Need Review to Testing

gitbuilder is running

#5 - 08/12/2014 12:58 AM - Loic Dachary

[scheduled upgrade:firefly-x:stress-split](#)

#6 - 08/12/2014 05:55 AM - Loic Dachary

Works. The problems of this run are

- [unrelated MDS decode bug](#)
- [test_librbd_python.sh timeout](#) but no erasure-coded workload is involved

#7 - 08/12/2014 05:57 AM - Loic Dachary

- Status changed from Testing to Resolved

- % Done changed from 80 to 100

#8 - 08/12/2014 05:58 AM - Loic Dachary

- Status changed from Resolved to Pending Backport

- % Done changed from 100 to 90

#9 - 08/12/2014 07:20 AM - Loic Dachary

[backport to firefly](#)

#10 - 08/26/2014 01:10 PM - Sage Weil

- Status changed from Pending Backport to Resolved