

RADOS - Bug #39570

nautilus with require_osd_release < nautilus cannot increase pg_num

05/02/2019 03:59 PM - Sage Weil

Status:	Resolved	% Done:	0%
Priority:	High	Spent time:	0.00 hour
Assignee:	Sage Weil		
Category:			
Target version:			
Source:		Affected Versions:	
Tags:		ceph-qa-suite:	
Backport:	nautilus	Component(RADOS):	
Regression:	No	Pull request ID:	
Severity:	3 - minor	Crash signature (v1):	
Reviewed:		Crash signature (v2):	

Description

On Mon, 29 Apr 2019, Alexander Y. Fomichev wrote:

Hi,

I just upgraded from mimic to nautilus(14.2.0) and stumbled upon a strange "feature".

I tried to increase pg_num for a pool. There was no errors but also no visible effect:

1. ceph osd pool get foo_pool01 pg_num
pg_num: 256
2. ceph osd pool set foo_pool01 pg_num 512
set pool 11 pg_num to 512
3. ceph osd pool get foo_pool01 pg_num
pg_num: 256

until finally I found that

1. ceph osd require-osd-release nautilus
solves this problem

Docs are very scarce about "require-osd-release" command. Something like "Complete the upgrade by disallowing pre-Nautilus OSDs and enabling all new Nautilus-only functionality:" which gives no clue to understand why pretty old feature of increasing pg_num doesn't work. Any way I doubt that silently ignoring user commands is a good idea.

So question is: It is intentional behavior or I hit a bug.

mon sets pg_num_target but encodes with mimic features.

Related issues:

Duplicated by RADOS - Bug #40193: Changing pg_num and other pool settings are...

Duplicate

06/06/2019

Copied to RADOS - Backport #40322: nautilus: nautilus with require_osd_releas...

Resolved

History

#1 - 05/02/2019 04:18 PM - Sage Weil

- Status changed from In Progress to Fix Under Review

#2 - 05/03/2019 09:21 AM - Nathan Cutler

- Backport set to nautilus

#3 - 06/12/2019 09:14 PM - Neha Ojha

- Project changed from Ceph to RADOS

- Status changed from Fix Under Review to Pending Backport

#4 - 06/12/2019 09:15 PM - Josh Durgin

- Duplicated by Bug #40193: Changing pg_num and other pool settings are ignored added

#5 - 06/13/2019 10:24 AM - Nathan Cutler

- Copied to Backport #40322: nautilus: nautilus with require_osd_release < nautilus cannot increase pg_num added

#6 - 08/21/2019 09:18 PM - Greg Farnum

- Status changed from Pending Backport to Resolved