

RADOS - Bug #39353

Error message displayed when mon_osd_max_split_count would be exceeded is not as user-friendly as it could be

04/17/2019 12:36 PM - Nathan Cutler

Status:	Resolved	Start date:	04/17/2019
Priority:	Normal	Due date:	
Assignee:	Nathan Cutler	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:		Spent time:	0.00 hour
Source:		Reviewed:	
Tags:		Affected Versions:	v12.2.12, v13.2.5
Backport:	luminous	ceph-qa-suite:	
Regression:	No	Component(RADOS):	
Severity:	3 - minor	Pull request ID:	27647
Description			
Under certain circumstances, an attempt to increase the PG count of a pool can fail like this:			
<pre>\$ ceph osd pool set foopool pg_num 512 Error E2BIG: specified pg_num 512 is too large (creating 504 new PGs on ~8 OSDs exceeds per-OSD max of 32)</pre>			
This error can be addressed in two ways: either by increasing mon_osd_max_split_count or by simply increasing the pg_num in smaller increments. However, the error message does not mention either possibility.			
This issue affects only mimic and luminous, because the error message (and indeed the mon_osd_max_split_count option itself) was removed in Nautilus.			
The issue was partially addressed by https://github.com/ceph/ceph/commit/d2c0fe9b531 in Mimic.			
Related issues:			
Copied to RADOS - Backport #39563: luminous: Error message displayed when mon...			Resolved

History

#1 - 04/17/2019 12:39 PM - Nathan Cutler

- Description updated

#2 - 04/17/2019 12:56 PM - Nathan Cutler

- Status changed from New to Need Review

- Pull request ID set to 27647

#3 - 04/17/2019 12:56 PM - Nathan Cutler

- Affected Versions v12.2.12 added

#4 - 04/17/2019 12:57 PM - Nathan Cutler

- Subject changed from Error message displayed when mon_osd_max_split_count would be exceeded is not user-friendly to Error message displayed when mon_osd_max_split_count would be exceeded is not as user-friendly as it could be

#5 - 04/17/2019 12:57 PM - Nathan Cutler

- Project changed from Ceph to RADOS

#6 - 05/01/2019 03:47 PM - Yuri Weinstein

<https://github.com/ceph/ceph/pull/27647> merged

#7 - 05/01/2019 04:32 PM - Nathan Cutler

- Status changed from *Need Review* to *Pending Backport*

#8 - 05/01/2019 04:33 PM - Nathan Cutler

- Copied to Backport #39563: *luminous: Error message displayed when mon_osd_max_split_count would be exceeded is not as user-friendly as it could be added*

#9 - 06/20/2019 09:59 AM - Nathan Cutler

- Status changed from *Pending Backport* to *Resolved*