

## fs - Bug #39026

### mds: crash during mds restart

03/29/2019 03:41 AM - shen hang

<b>Status:</b>	Resolved	<b>Start date:</b>	
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	shen hang	<b>% Done:</b>	0%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	v15.0.0	<b>Affected Versions:</b>	v12.2.10
<b>Source:</b>	Community (dev)	<b>ceph-qa-suite:</b>	
<b>Tags:</b>		<b>Component(FS):</b>	MDS
<b>Backport:</b>	nautilus,mimic,luminous	<b>Labels (FS):</b>	
<b>Regression:</b>	No	<b>Pull request ID:</b>	27256
<b>Severity:</b>	3 - minor		
<b>Reviewed:</b>			

#### Description

On version 12.2.10

```
1767 2019-03-11 18:21:16.251278 7fe2cc325700 -1 /home/jenkins-build/build/workspace/ceph-build/ARCH/x86_64/AVAILABLE_ARCH/x86_64/AVAILABLE_DIST/centos7/DIST/centos7/MACHINE_SIZE/huge/release/12.2.10/rpm/el7/BUILD/ceph-12.2.10/src/mds/Server.cc: In function 'void Server::handle_client_reconnect(MClientReconnect*)' thread 7fe2cc325700 time 2019-03-11 18:21:16.248739
1768 /home/jenkins-build/build/workspace/ceph-build/ARCH/x86_64/AVAILABLE_ARCH/x86_64/AVAILABLE_DIST/centos7/DIST/centos7/MACHINE_SIZE/huge/release/12.2.10/rpm/el7/BUILD/ceph-12.2.10/src/mds/Server.cc: 948: FAILED assert(session)
```

Normally, after reconnect timeout, we killed all the session that hadn't received and handled reconnect msg. But some reconnect msgs were received and not yet handled before the relevant session was killed. So when the msg was being handled the session would be null. That's why mds crashed.

After knowing the session was killed ,the client wouldn't wait for the ack for reconnect msg,so omitting the reconnect msg may be the proper way.

#### Related issues:

Related to Ceph - Bug #40588: mimic: mds: msg weren't destroyed before handle...	<b>Pending Backport</b>
Copied to fs - Backport #39191: luminous: mds: crash during mds restart	<b>Resolved</b>
Copied to fs - Backport #39192: nautilus: mds: crash during mds restart	<b>Resolved</b>
Copied to fs - Backport #39193: mimic: mds: crash during mds restart	<b>Resolved</b>

#### History

#1 - 03/29/2019 05:33 AM - shen hang

<https://github.com/ceph/ceph/pull/27256>

#2 - 03/29/2019 04:18 PM - Patrick Donnelly

- Subject changed from *mds:we encountered crash when mds restart.* to *mds: crash during mds restart*

- Status changed from *New* to *Need Review*

- Assignee set to *shen hang*

- Target version set to *v15.0.0*

- Start date deleted (*03/29/2019*)

- Source set to *Community (dev)*

- Tags deleted (*cephfs mds*)

- Backport set to *nautilus,mimic,luminous*
- Pull request ID set to 27256

**#3 - 03/29/2019 04:18 PM - Patrick Donnelly**

- Project changed from *Ceph* to *fs*
- Component(*FS*) MDS added

**#4 - 04/08/2019 11:13 PM - Patrick Donnelly**

- Description updated
- Status changed from *Need Review* to *Pending Backport*
- Affected Versions *v12.2.10* added

**#5 - 04/10/2019 09:03 PM - Nathan Cutler**

- Copied to Backport #39191: *luminous: mds: crash during mds restart* added

**#6 - 04/10/2019 09:03 PM - Nathan Cutler**

- Copied to Backport #39192: *nautilus: mds: crash during mds restart* added

**#7 - 04/10/2019 09:04 PM - Nathan Cutler**

- Copied to Backport #39193: *mimic: mds: crash during mds restart* added

**#8 - 06/26/2019 10:47 AM - Nathan Cutler**

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

**#9 - 07/22/2019 08:39 AM - Nathan Cutler**

- Related to Bug #40588: *mimic: mds: msg weren't destroyed before handle\_client\_reconnect returned, if the reconnect msg was from non-existent session* added