CephFS - Bug #39026
mds: crash during mds restart
03/29/2019 03:41 AM - shen hang

| Status:  | Resolved       | % Done: | 0%  |
| Priority: | Normal         |         |     |
| Assignee: | shen hang      |         |     |
| Category: |               |         |     |
| Target version: | v15.0.0        |         |     |
| Source:   | Community (dev)|         |     |
| Tags:     |               |         |     |
| Backport: | nautilus,mimic,luminous |         |     |
| Regression: | No             |         |     |
| Severity: | 3 - minor      |         |     |
| Reviewed: |               |         |     |
| Affected Versions: | v12.2.10     |         |     |

**Description**

On version 12.2.10

```
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)
```

Normarly, after reconnect timeout, we killed all the session that haven'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...Resolved
- Copied to CephFS - Backport #39191: luminous: mds: crash during mds restartResolved
- Copied to CephFS - Backport #39192: nautilus: mds: crash during mds restartResolved
- Copied to CephFS - Backport #39193: mimic: mds: crash during mds restartResolved

**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 Fix Under 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 CephFS
- Component(FS) MDS added

#4 - 04/08/2019 11:13 PM - Patrick Donnelly
- Description updated
- Status changed from Fix Under 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