CephFS - Bug #44677
stale scrub status entry from a failed mds shows up in `ceph status`

03/19/2020 01:01 PM - Venky Shankar

Status: Resolved
Priority: Normal
Assignee: Venky Shankar
Category: Administration/Usability
Target version: v16.0.0
Source: Community (dev)
Tags:
Backport:
Regression: No
Severity: 3 - minor

Description
This happens intermittently. When an active mds (mds.b) is terminated, mds.c transitions to active, but task status shows both MDSs scrub status:

```bash
ceph -s
...
...
services:
    mon: 1 daemons, quorum a (age 24s)
    mgr: x(active, since 18s)
    mds: a:1 (0-b-up:active) 2 up:standby
    osd: 3 osds: 3 up (since 18s), 3 in (since 2h)
task status:
    scrub status:
        mds.b: idle
        mds.c: idle
...
...
```

ceph-mgr should ideally prune older entries after `mgr_service_beacon_grace` seconds, but that doesn't happen. The issue is that ceph-mgr receives an updated fsmap and removes entries from it's tracking index (`daemon_state`). However, `DaemonServer::_prune_pending_service_map()` requires the mds entry in the tracking index to prune stale entries from service map. So, those stale entries remain in the service map until ceph-mgr is restarted (or on a failover).

Related issues:
Copied to CephFS - Backport #45049: octopus: stale scrub status entry from a ... Resolved
Copied to CephFS - Backport #45050: nautilus: stale scrub status entry from a... Resolved

History
#1 - 03/30/2020 10:35 AM - Venky Shankar
- Status changed from In Progress to Fix Under Review
- Pull request ID set to 34281

#2 - 04/01/2020 10:50 AM - Kefu Chai
- Backport changed from nautilus to nautilus,octopus

#3 - 04/03/2020 07:29 PM - Greg Farnum
- Status changed from Fix Under Review to Pending Backport

#4 - 04/11/2020 09:38 AM - Nathan Cutler
- Copied to Backport #45049: octopus: stale scrub status entry from a failed mds shows up in `ceph status` added

#5 - 04/11/2020 09:38 AM - Nathan Cutler
- Copied to Backport #45050: nautilus: stale scrub status entry from a failed mds shows up in `ceph status` added

#6 - 05/11/2020 02:24 PM - Nathan Cutler
- Status changed from Pending Backport to Resolved

While running with --resolve-parent, the script "backport-create-issue" noticed that all backports of this issue are in status "Resolved" or "Rejected".