mgr - Bug #47329
mgr plugins might endlessly loop when unregistering rados/cephfs client isnan
09/07/2020 04:15 AM - Venky Shankar

Status: Resolved
Priority: High
Assignee: Venky Shankar
Category: ceph-mgr
Target version: v16.0.0
Source: 
Tags: 
Backport: octopus
Regression: No
Severity: 3 - minor
Reviewed: 

Affected Versions:
ceph-qa-suite:
Pull request ID: 36987
Crash signature (v1):
Crash signature (v2):

Description
Problematic part in PyModuleRegistry::unregister_client():

```c++
void unregister_client(std::string_view name, const entity_addrvec_t& addrs)
{
    auto itp = clients.equal_range(std::string(name));
    for (auto it = itp.first; it != itp.second; ++it) {
        if (it->second == addrs) {
            it = clients.erase(it);
        }
    }
}
```

The iterator gets incremented even after removing an entry from the map (which returns the next iterator).

This causes calls to unregister_client() to endlessly loop causing ceph-mgr to become unresponsive and getting blocklisted causing subsequent commands to hang.

Related issues:
Copied to mgr - Backport #47462: octopus: mgr plugins might endlessly loop wh...
Resolved

History
#1 - 09/07/2020 04:15 AM - Venky Shankar
- Assignee set to Venky Shankar

#2 - 09/13/2020 08:24 PM - Patrick Donnelly
- Status changed from Fix Under Review to Pending Backport

#3 - 09/15/2020 11:46 AM - Nathan Cutler
- Copied to Backport #47462: octopus: mgr plugins might endlessly loop when unregistering rados/cephfs client isnan added

#4 - 10/05/2020 08:18 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".