# Ceph - Bug #39625

## ceph daemon mon.a config set mon_health_to_clog false cause leader mon assert

<table>
<thead>
<tr>
<th>Status:</th>
<th>Resolved</th>
<th>% Done:</th>
<th>0%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
<td>Spent time:</td>
<td>0.00 hour</td>
</tr>
<tr>
<td>Assignee:</td>
<td></td>
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<tr>
<td>Category:</td>
<td></td>
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<tr>
<td>Target version:</td>
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<tr>
<td>Source:</td>
<td></td>
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<tr>
<td>Backport:</td>
<td>nautilus, mimic, luminous</td>
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<tr>
<td>Regression:</td>
<td>No</td>
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<tr>
<td>Severity:</td>
<td>3 - minor</td>
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<tr>
<td>Reviewed:</td>
<td></td>
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## Description

As the subject discribed, use `ceph daemon mon.a config set mon_health_to_clog false` will cause leader mon (mon.a) failed assert:

```c
ceph version 14.2.0-84-g63cc22 (63cc222b2f3bb56d8ae28e5b9f480a714d9) nautilus (stable)
1: (ceph::__ceph_assert_fail(char const*, char const*, int, char const*)+0x1aa) [0x7ff3787992a6]
2: ()+0x1295528) [0x7ff378799528]
3: (SafeTimer::cancel_event(Context*)+0x4c) [0x7ff37874a836]
4: (Monitor::health_tick_stop()+0x10c) [0x7ff382919ca2]
5: (Monitor::health_events_cleanup()+0x18) [0x7ff38291a3d8]
6: (Monitor::health_to_clog_update_conf(std::set<std::string, std::less<std::string>, std::allocator<std::string> const&> const&)+0x165) [0x7ff38291a58d]
7: (Monitor::handle_conf_change(ConfigProxy const&, std::set<std::string, std::less<std::string>, std::allocator<std::string> const&>+0x86e) [0x7ff382902780]
8: (ConfigProxy::call_observers(std::map<ceph::md_config_obs_impl<ConfigProxy>*, std::set<std::string, std::less<std::string>, std::allocator<std::string> const&> const&> const, std::set<std::string, std::less<std::string>, std::allocator<std::string> const&> const&>)+0x38b3) [0x7ff3787bd17f]
9: (ConfigProxy::apply_changes(std::ostream*)+0xad) [0x7ff3787bebc7]
10: (CephContext::do_command(std::basic_string_view<char, std::char_traits<char>, std::allocator<std::string> const&> const>) [0x7ff382902780]
11: (CephContextHook::call(std::basic_string_view<char, std::char_traits<char>, std::allocator<std::string> const&> const>) [0x7ff3787bd17f]
```

06/05/2021
The reason maybe that:
It need to hold mon lock when doing handle_conf_change for 'mon_health_to_clog' and 'mon_scrub_interval' changes, bc those configure items need to reset the timer in leader mon, which need the mon lock.

<table>
<thead>
<tr>
<th>Related issues:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copied to Ceph - Backport #40541: luminous: ceph daemon mon.a config set mon_...</td>
</tr>
<tr>
<td>Copied to Ceph - Backport #40542: nautilus: ceph daemon mon.a config set mon_...</td>
</tr>
<tr>
<td>Copied to Ceph - Backport #41287: mimic: ceph daemon mon.a config set mon_he...</td>
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</tbody>
</table>

History

#1 - 05/08/2019 01:54 PM - Kefu Chai
- Status changed from New to Fix Under Review
- Backport set to nautilus, luminous
- Pull request ID set to 28018

#2 - 06/25/2019 05:12 AM - Kefu Chai
- Status changed from Fix Under Review to Pending Backport

#3 - 06/25/2019 10:20 AM - Nathan Cutler
- Copied to Backport #40541: luminous: ceph daemon mon.a config set mon_health_to_clog false cause leader mon assert added

#4 - 06/25/2019 10:20 AM - Nathan Cutler
- Copied to Backport #40542: nautilus: ceph daemon mon.a config set mon_health_to_clog false cause leader mon assert added

#5 - 07/31/2019 10:29 PM - Neha Ojha
Kefu, why don't we need to backport this to mimic?

#6 - 08/15/2019 12:11 AM - Kefu Chai
- Backport changed from nautilus, luminous to nautilus, mimic, luminous

#7 - 08/15/2019 09:11 AM - Nathan Cutler
- Copied to Backport #41287: mimic: ceph daemon mon.a config set mon_health_to_clog false cause leader mon assert added

#8 - 01/27/2021 07:11 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".