

OpenNebula - Feature #3958

migrate option on VMs from FAILED host to call PROLOG_MIGRATE before BOOT

08/31/2015 12:41 PM - Anton Todorov

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|---|---------------|------------------------|------------|
| Status: | Closed | Start date: | 08/31/2015 |
| Priority: | High | Due date: | |
| Assignee: | | % Done: | 0% |
| Category: | Core & System | Estimated time: | 0.00 hour |
| Target version: | Release 5.0 | Pull request: | |
| Resolution: | fixed | | |
| Description | | | |
| <p>There is HOST_HOOK to handle VM-s when a vm host node enter FAIL state with three possible solutions to rescue the VMs:</p> <ol style="list-style-type: none">1. delete VM2. delete-recreate VM3. "move" VM to another host <p>The problem is that there is no way to "rescue" VMs with non-persistent VM images when they are backed with block devices without native support in libvirt</p> <p>Here is a list of the affected addons</p> <p>https://github.com/OpenNebula/addon-iscsi</p> <p>https://github.com/OpenNebula/addon-iscsi-equallogic</p> <p>https://github.com/OpenNebula/addon-iscsi-v7000</p> <p>https://github.com/OpenNebula/addon-storpool</p> <p>The solution is before calling BOOT to call PROLOG_MIGRATE see assigned pull request (https://github.com/OpenNebula/one/pull/70)</p> <p>If you decide that this contribution needs contributors license agreement do not hesitate to contact to arrange it.</p> | | | |

Associated revisions

Revision 82336ddc - 03/03/2016 10:59 PM - Ruben S. Montero

feature #3958: Add PROLOG_MIGRATE_FAILURE to prolog_failure callback and recover actions

Revision dafeeaf9 - 03/03/2016 10:59 PM - Ruben S. Montero

feature #3958: Merge common code for PROLOG_MIGRATE_UNKNOWN

History

#1 - 09/01/2015 04:48 PM - Ruben S. Montero

- Tracker changed from Feature to Backlog
- Target version changed from 79 to Release 5.0

Hi Anton,

First thank you for this thorough patch :) We think this is a good addition to improve FT for VMs for a wider range of storage backends. This is too close

for the next release. Just moving it to include it after the release.

Again thanks for this

Ruben

#2 - 01/07/2016 05:06 PM - Ruben S. Montero

- *Tracker changed from Backlog to Feature*

#3 - 03/02/2016 12:22 PM - Ruben S. Montero

- *Tracker changed from Feature to Backlog*

- *Priority changed from Normal to High*

- *Target version deleted (Release 5.0)*

We are now behind schedule for this release 5.0 .. moving this to the backlog

#4 - 03/02/2016 12:37 PM - Anton Todorov

Hi,

I am confused.

The patch was made before 4.14 release but it was "too close" for 4.14, now it is "behind schedule" for 5.0. What's going on?

As you already have native iSCSI support I would like to note that the same issue is valid for iSCSI block devices.

It is true that I've found a loophole in the LCM state machine and have a workaround but it is working too slow because there are several LCM state changes and waiting for timeouts instead of just single native one.

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Anton

#5 - 03/03/2016 03:50 PM - Ruben S. Montero

- *Tracker changed from Backlog to Feature*

- *Target version set to Release 5.0*

Sorry, I got the wrong issue number ;)

#6 - 03/03/2016 11:11 PM - Ruben S. Montero

- *Status changed from Pending to Closed*

- *Resolution set to fixed*

This is now in master, added logic to handle callback on `prolog_failure` and `recover` action. Also I've merged the logic of `PROLOG_MIGRATE_UNKNOWN` with equivalent states.

THANKS again and sorry for the misunderstanding

