

OpenNebula - Bug #252

OpenNebula shutdown check in 1.4 for KVM is harmful

06/04/2010 10:33 AM - Florian Kruse

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|---|---------------|------------------------|------------|
| Status: | Closed | Start date: | 06/04/2010 |
| Priority: | Normal | Due date: | |
| Assignee: | Jaime Melis | % Done: | 0% |
| Category: | Core & System | Estimated time: | 0.00 hour |
| Target version: | Release 2.0 | Pull request: | |
| Resolution: | | | |
| Affected Versions: | | | |
| Description | | | |
| <p>OpenNebula 1.4 implements the shutdown of KVM machines like this:</p> <pre>cmd="#{LIBVIRT[:shutdown]} #{deploy_id} && " \ "while [\${#{LIBVIRT[:poll]} #{deploy_id} > /dev/null 2>&1}; " \ "echo \$?) -eq \"0\"]; do sleep 2; done ; sleep 4"</pre> <p>This behavior is -- how do I put it politely? -- extremely not good. What it basically does is that it tries to shutdown the machine and then executes virsh dominfo over and over again until this command returns an error. In short: If anything goes wrong, we say everything is fine. In my scenario libvirt sometimes produces weird error messages and so it happens regularly (at least for me) that virsh dominfo fails although the machine is still running. Which is bad since it will invoke scripts copying the image of the still running machine back to the master host.</p> <p>I implemented a more robust version of the shutdown command:</p> <pre>cmd = "#{LIBVIRT[:shutdown]} #{deploy_id} && " \ "c=0 && while [\$c -lt \"5\"]; do " \ "if [\${#{LIBVIRT[:poll]} #{deploy_id} > /dev/null 2>&1}; echo \$?) -ne \"0\"]; " \ "then let 'c=c+1'; else c=0; fi; sleep 2; done; sleep 4"</pre> <p>It's not a perfect solution but it's much more robust since it requires virsh dominfo to fail 5 times consecutively before it accepts the machine as shutdown. After changing the code accordingly I never had any problems like the one described above (machine still running although ONE regards it as shutdown) again.</p> | | | |

Associated revisions

Revision 9cb8e914 - 08/03/2010 09:06 AM - Jaime Melis

modified shutdown in kvm (#252)

Revision f298d348 - 04/07/2017 09:10 AM - Abel Coronado

F #4913 Removed vcenter_datastore in import vCenter template (#252)

- 32 characters max in switch name
- Removed vcenter_datastore in import vCenter template

History

#1 - 07/01/2010 08:14 PM - Ruben S. Montero

- Status changed from New to Assigned
- Assignee set to Javi Fontan
- Target version changed from Release 1.4 to Release 2.0

#2 - 07/30/2010 12:57 AM - Ruben S. Montero

- Assignee changed from Javi Fontan to Jaime Melis

#3 - 08/03/2010 11:08 AM - Jaime Melis

- Status changed from Assigned to Closed

Updated and tested according to the suggested solution. Closing ticket.