Foreman - Bug #1521

Foreman open a new libvirt connection each time the hypervisor page is loaded

03/07/2012 10:06 AM - David Douard

Status:	Resolved		
Priority:	Normal		
Assignee:			
Category:	VM management		
Target version:			
Difficulty:		**Fixed in Releases:**	
Triaged:		**Found in Releases:**	
Bugzilla link:		**Red Hat JIRA:**	
Pull request:			

Description

Foreman opens a new connection each time the page of a libvirt hypervisor is loaded, (may consume all possible libvirtd connections).

I am using a qemu+tls connection to libvirt.

I am using Foreman on a Debian squeeze installed from foreman deb repository (0.4.2-1).

netstat shows that tcp connections stay ESTABLISHED until libvirtd or foreman is restarted.

History

#1 - 03/07/2012 10:32 AM - Ohad Levy

thats strange, as we ensure we close down the connection after each request

see https://github.com/theforeman/foreman/blob/0.4-stable/app/controllers/hypervisors/guests_controller.rb#L6

maybe there is a bug in the disconnect method.

#2 - 03/07/2012 06:02 PM - David Douard

Yes, I gave a quick look at the code, which looks fine at first sigh (but I am no Rubyist).

How can I activate logging to try to find what is going on? Maybe adding some print statements somewhere?

#3 - 03/07/2012 06:40 PM - David Douard

Humm I've digged a bit, and the disconnect method of Virt.Connection is properly called. Thus the problem may reside in the ruby wrapper for libvirt (I use the Debian package, aka libvirt-ruby1.8 0.0.7-1), unless a reference to the libvirt connection instance is kept somewhere preventing it from being garbage collected, or some similar stuff (not sure this is relevant here).

#4 - 03/07/2012 07:03 PM - David Douard

I have compiled libvirt-ruby 0.4.0 and the behavior seems much better. TCP connections go in state TIME_WAIT after a short amount of time, then are closed completely.

I'll make more tests tomorrow, but I think I have the culprit...

#5 - 03/08/2012 08:05 AM - Ohad Levy

- Status changed from New to Feedback

hmm.. so can we mark this as resolved?

#6 - 03/11/2012 01:20 AM - Corey Osman

Ohad, my virt ESX code tried to fix this issue. I think we should be caching the libvirt object anyways instead of open/closing the connection so many times. Every time virt opens a connection it has to make so many calls to libvirt.

#7 - 03/12/2012 02:08 PM - David Douard

Ohad Levy wrote:

> hmm.. so can we mark this as resolved?

I did not have time to make extensive tests (as I wanted to do), but it looks that this can be marked as solved.

#8 - 03/12/2012 02:51 PM - Ohad Levy

- Status changed from Feedback to Resolved

#9 - 03/12/2012 02:52 PM - Ohad Levy

Corey Osman wrote:

> Ohad, my virt ESX code tried to fix this issue. I think we should be caching the libvirt object anyways instead of open/closing the connection so many times. Every time virt opens a connection it has to make so many calls to libvirt.

Corey I agree, however, as we are planning to swap to using fog for libvirt (and probably use virt within fog) this might be a different context for discussion <-- Thanks!