

Foreman - Bug #5250

Foreman-installer errors out during install process due to Segmentation fault on Ruby 1.8.7

04/21/2014 03:59 AM - Justin Bovee

Status: Duplicate	
Priority: Low	
Assignee:	
Category:	
Target version:	
Difficulty:	Fixed in Releases:
Triaged:	Found in Releases:
Bugzilla link:	Red Hat JIRA:
Pull request:	
Description	
<p>Error Message: [INFO 2014-04-20 22:18:04 main] /usr/lib/ruby/site_ruby/1.8/puppet/parser/type_loader.rb:102: [BUG] Segmentation fault [INFO 2014-04-20 22:18:04 main] ruby 1.8.7 (2011-06-30 patchlevel 352) [x86_64-linux] [INFO 2014-04-20 22:18:04 main] [INFO 2014-04-20 22:18:04 main] sh: line 1: 7080 Done echo '\$kafo_config_file="/etc/foreman/foreman-installer.yaml" \$kafo_add_progress=true include kafo_configure' [INFO 2014-04-20 22:18:04 main] 7081 Aborted RUBYLIB=/usr/lib/ruby/gems/1.8/gems/kafo-0.5.3/lib/kafo/../../modules: puppet apply --verbose --debug --trace --color=false --show_diff --detailed-exitcodes --modulepath /usr/share/foreman-installer/modules:/usr/lib/ruby/gems/1.8/gems/kafo-0.5.3/modules [INFO 2014-04-20 22:18:04 main] Puppet has finished, bye!</p> <p>Environment: Centos 6.5 - 2.6.32-431.11.2.el6.x86_64</p> <p>Foreman plugins [root@foreman01 tftpboot]# foreman-rake plugins Collecting plugin information Foreman plugin: foreman-tasks, 0.5.2, Ivan Nečas, The goal of this plugin is to unify the way of showing task statuses across the Foreman instance. It defines Task model for keeping the information about the tasks and Lock for assigning the tasks to resources. The locking allows dealing with preventing multiple colliding tasks to be run on the same resource. It also optionally provides Dynflow infrastructure for using it for managing the tasks. Foreman plugin: foreman_bootdisk, 2.0.4, Dominic Cleal, Plugin for Foreman that creates iPXE-based boot disks to provision hosts without the need for PXE infrastructure. Foreman plugin: foreman_discovery, 1.3.0.rc1, Greg Sutcliffe, MaaS Discovery Plugin engine for Foreman Foreman plugin: foreman_hooks, 0.3.7, Dominic Cleal, Plugin engine for Foreman that enables running custom hook scripts on Foreman events Foreman plugin: foreman_setup, 2.0.2, Dominic Cleal, Plugin for Foreman that helps set up provisioning. Foreman plugin: foreman_templates, 1.4.0, Greg Sutcliffe, Engine to synchronise provisioning templates from GitHub Foreman plugin: staypuft, 0.0.4, Staypuft team, OpenStack Foreman Installer</p> <p>Issue: When running foreman-installer, it will error out indicating it doesn't have access to foreman-installer.yaml to write a value. If I change permissions on the file, install works but changes permissions of the file back to original settings as expected. This doesn't affect me to much as long as I remember to change the permissions on foreman-installer.yaml before I run foreman-installer.</p>	
Related issues:	
Is duplicate of Installer - Bug #4244: Core dump during foreman-installer	Rejected 02/04/2014

History

#1 - 04/21/2014 04:03 AM - Justin Bovee

Just noticed my version didn't land in the document. I apologize for that.
foreman-installer.noarch 1:1.5.0-0.1.RC1.el6 @foreman
foreman.noarch 1.5.0-0.1.RC1.el6

#2 - 04/22/2014 07:53 AM - Marek Hulán

- Subject changed from *Foreman-installer errors out during install process due to problems accessing foreman-installer.yaml* to *Foreman-installer errors out during install process due to Segmentation fault on Ruy 1.8.7*

This is known issue of Ruby 1.8.7 in CentOS. As a workaround try running installation again, it segfaults randomly, usually several runs are sufficient.

#3 - 04/22/2014 07:55 AM - Marek Hulán

- Is duplicate of Bug #4244: Core dump during foreman-installer added

#4 - 04/22/2014 09:18 AM - Dominic Cleal

- Status changed from New to Duplicate

#5 - 04/22/2014 09:21 AM - Marek Hulán

- Subject changed from *Foreman-installer errors out during install process due to Segmentation fault on Ruy 1.8.7* to *Foreman-installer errors out during install process due to Segmentation fault on Ruby 1.8.7*

#6 - 05/20/2014 02:56 PM - Mathieu Boniface

I'm having the exact same issue on RHEL 6.4.

This error does not appear when *foreman-proxy* installation is disabled by passing the *--no-enable-foreman-proxy* as argument of *foreman-installer* command.

The following repo are enabled :

- rhel-6-server-optional-rpms
- rhel-server-rhsc1-6-rpms
- epel
- puppetlabs-dependencies
- puppetlabs-products
- foreman-plugins
- foreman

Do you have any workaround on this ?

#7 - 05/20/2014 09:52 PM - Mathieu Boniface

Finally, I found a workaround, the idea is just to pass *--enable-foreman-proxy* explicitly to the *foreman-installer* command...

That's really strange from a user point of view. It would be nice to have some explanations on that behavior :)

#8 - 05/21/2014 06:31 AM - Dominic Cleal

Mathieu Boniface wrote:

Finally, I found a workaround, the idea is just to pass *--enable-foreman-proxy* explicitly to the *foreman-installer* command...

That's really strange from a user point of view. It would be nice to have some explanations on that behavior :)

I doubt there's any rational explanation unfortunately, the segfault comes and goes (it's an issue with Ruby's GC). Some have reported it happens when they remove certain parts of the installer.

#9 - 02/07/2017 04:09 AM - Ming Jin

We encountered the same 'Segmentation Fault' issue in our production, which is centos 6.4 with the system ruby 1.8.7.

Eventually, a temporary walkaround is to disable and re-enable ruby GC around the ruby class loading in *foreman-proxy/bin/smart-proxy*

```
#!/usr/bin/env ruby
```

```
$LOAD_PATH.unshift(*Dir[File.expand_path("../lib", __FILE__), File.expand_path("../modules", __FILE__)])
```

```
GC.disable
require 'smart_proxy_main'
Proxy::Launcher.new.launch
GC.enable
```

Then everything works successfully. I guess it's due to a potential GC issue of the ruby version 1.8, which should be OK if it's replaced with ree-1.8.7. But we haven't verify it yet.