

## Packaging - Bug #14793

### Clean install on CentOS 7.2.1511, foreman 1.11.1 will not run, problem with passenger\_native\_support.so

04/24/2016 04:03 PM - Scott Worthington

<b>Status:</b> Duplicate	
<b>Priority:</b> Normal	
<b>Assignee:</b>	
<b>Category:</b> RPMs	
<b>Target version:</b>	
<b>Difficulty:</b>	<b>Fixed in Releases:</b>
<b>Triaged:</b>	<b>Found in Releases:</b> 1.11.1
<b>Bugzilla link:</b>	<b>Red Hat JIRA:</b>
<b>Pull request:</b>	
<b>Description</b>	
Steps to reproduce:	
1. Install CentOS 7.2.1511 base install	
2. Install the latest puppet version	
<pre>yum -y install <a href="http://yum.puppetlabs.com/puppetlabs-release-el-7.noarch.rpm">http://yum.puppetlabs.com/puppetlabs-release-el-7.noarch.rpm</a></pre>	
3. Enable the EPEL (Extra Packages for Enterprise Linux) and the Foreman repos:	
<pre>yum -y install epel-release</pre>	
4. Install foreman release	
<pre>yum -y install <a href="http://yum.theforeman.org/releases/1.11/el7/x86_64/foreman-release.rpm">http://yum.theforeman.org/releases/1.11/el7/x86_64/foreman-release.rpm</a></pre>	
5. Install additional channels	
<pre>yum -y install foreman-release-scl</pre>	
6. Install installer	
<pre>yum -y install foreman-installer</pre>	
7. Grab addons	
<pre>yum -y install \   foreman-ec2 \   tfm-rubygem-foreman_ansible \   tfm-rubygem-foreman_ansible-doc \   tfm-rubygem-foreman_docker \   tfm-rubygem-foreman_docker-doc</pre>	
8. Install screen & run installer	
<pre>yum install -y screen ; screen   foreman-installer</pre>	
9. Install completes with error, /var/log/httpd/error_log contains:	
<pre>App 4480 stderr: --&gt; passenger_native_support was compiled for Ruby API version 2.0.0, but you're   currently running a Ruby interpreter with API version 2.2.0. App 4480 stderr: Refusing to load existing passenger_native_support. App 4480 stderr: --&gt; No passenger_native_support.so found for current Ruby interpreter. App 4480 stderr: This library provides various optimized routines that make App 4480 stderr: Phusion Passenger faster. Please run 'sudo yum install passenger-devel-4.0.5 3'</pre>	

```
App 4480 stderr:      so that Phusion Passenger can compile one on the next run.
App 4480 stderr:  --> Continuing without passenger_native_support.so.
App 4480 stderr: Log file /usr/share/foreman/log/production.log cannot be opened. Falling back to
STDOUT
App 4480 stdout:  WARN  root  : No appender set, logging to STDOUT
```

The 1.11.1 EL7 updates posted to [http://yum.theforeman.org/releases/1.11/el7/x86\\_64/](http://yum.theforeman.org/releases/1.11/el7/x86_64/) on 2016-04-19 are breaking all previously working installs.

#### Related issues:

Is duplicate of SELinux - Bug #14811: Passenger paths changed once again (RHEL7) Closed 04/26/2016

## History

### #1 - 04/24/2016 04:15 PM - Scott Worthington

It appears that is an EPEL passenger and mod\_passenger upgrade that is trumping the version in the foreman's 1.11 repo. Disabling EPEL during installation solves the install problem.

### #2 - 04/24/2016 04:35 PM - Scott Worthington

To get a successful clean install, add to the [epel] section in /etc/yum.repos.d/epel.repo, "exclude=passenger\* mod\_passenger"

Do not disable EPEL.

The new passenger and mod\_passenger are taking precedent over the correct ones in theforeman repo.

### #3 - 04/24/2016 04:36 PM - Greg Sutcliffe

- *Project changed from Foreman to Packaging*

### #4 - 04/26/2016 03:53 AM - Dominic Cleal

- *Category set to RPMs*

Could you provide the output from rpm -qa \*passenger\* please? I've been testing the updates in EPEL and haven't managed to hit this problem yet - I'm not quite sure either why the Ruby 2.0.0 native support would be loaded under 2.2.0.

### #5 - 04/26/2016 04:17 AM - Dominic Cleal

Also, does the web UI work? If not, any error displayed? If it does work, what's the error from the installer you're getting?

Please also try with SELinux set to permission (setenforce 0).

### #6 - 04/26/2016 06:42 AM - Marek Hulán

- *Description updated*

### #7 - 04/26/2016 08:27 AM - Scott Worthington

Dominic Cleal wrote:

Could you provide the output from rpm -qa \*passenger\* please? I've been testing the updates in EPEL and haven't managed to hit this problem yet - I'm not quite sure either why the Ruby 2.0.0 native support would be loaded under 2.2.0.

The problem is these two packages got pushed up to EPEL7 over the weekend:

[https://dl.fedoraproject.org/pub/epel/7/x86\\_64/m/mod\\_passenger-4.0.53-4.el7.x86\\_64.rpm](https://dl.fedoraproject.org/pub/epel/7/x86_64/m/mod_passenger-4.0.53-4.el7.x86_64.rpm)

[https://dl.fedoraproject.org/pub/epel/7/x86\\_64/p/passenger-4.0.53-4.el7.x86\\_64.rpm](https://dl.fedoraproject.org/pub/epel/7/x86_64/p/passenger-4.0.53-4.el7.x86_64.rpm)

EPEL7 is required to install Foreman. The two packages trump the passenger packages that are in the Foreman 1.11.1 repo.

I do not believe the Jenkins clean build of Foreman happens every day (unlike the nightly Foreman builds). My understanding is, due to Rackspace cost, the clean builds in Jenkins ( <http://ci.theforeman.org/> ) do not happen daily. If possible, please fire up a EL7 clean install/build of 1.11.1 and it should fail due to the passenger/mod\_passenger newer versions from EPEL7

### #8 - 04/26/2016 08:28 AM - Dominic Cleal

Yes, I'm quite aware, thanks. We've run multiple tests today successfully.

Could you please check my questions above, particularly the one about SELinux?

**#9 - 04/26/2016 08:38 AM - Scott Worthington**

Dominic Cleal wrote:

Also, does the web UI work? If not, any error displayed? If it does work, what's the error from the installer you're getting?

Please also try with SELinux set to permission (setenforce 0).

No, the web UI does not work.

**#10 - 04/26/2016 08:39 AM - Dominic Cleal**

- Status changed from New to Need more information

- Priority changed from Urgent to Normal

**#11 - 04/26/2016 08:41 AM - Scott Worthington**

Dominic Cleal wrote:

Could you provide the output from `rpm -qa \*passenger\*` please? I've been testing the updates in EPEL and haven't managed to hit this problem yet - I'm not quite sure either why the Ruby 2.0.0 native support would be loaded under 2.2.0.

These are the packages when it DOESN'T work.

```
1. rpm -qa | grep passenger
   mod_passenger-4.0.53-4.el7.x86_64
   tfm-rubygem-passenger-4.0.18-9.10.el7.x86_64
   passenger-4.0.53-4.el7.x86_64
   tfm-rubygem-passenger-native-libs-4.0.18-9.10.el7.x86_64
   tfm-rubygem-passenger-native-4.0.18-9.10.el7.x86_64
```

To make it work:

```
yum remove passenger-4.0.53-4.el7.x86_64 mod_passenger-4.0.53-4.el7.x86_64
```

Then in `/etc/yum.repos.d/epel.repo` in the `[epel]` section add `exclude=passenger* mod_passenger*`

Then reinstall `passenger` and `mod_passenger` (which then pulls from theforeman repo)

```
yum install passenger mod_passenger
```

**#12 - 04/26/2016 08:44 AM - Dominic Cleal**

Scott Worthington wrote:

Dominic Cleal wrote:

Also, does the web UI work? If not, any error displayed? If it does work, what's the error from the installer you're getting?

No, the web UI does not work.

Same questions.. is any error displayed when you access the web UI? Any logging? What's the error from the installer? There isn't enough information here to know what the problem you're experiencing is caused by.

Please also try with SELinux set to permission (setenforce 0).

Which mode is SELinux in (sestatus, getenforce)? There is a bug report for AVCs due to a mislabel when it is enforcing ([#14811](#)).

**#13 - 04/26/2016 09:34 AM - David Gersting**

I just came across this myself in RHEL 7.2. Though I got some weird results. Will work to isolate here in a minute.

**Web UI:**

Web UI comes up, and can login with default admin credentials shown during `foreman-install`

No Apache error logs are updated when trying to hit the web ui.

Web UI looks ok, but no Smart Proxies are registered

**SELinux:**

Initial install was performed in enforcing mode. Switching to permissive and re-running `foreman-install` reported no errors, and smart proxy appears in web UI?

Will reset lab VM and re-install w/ SELinux in permissive...

## Errors during Install

```
[root@deploy foreman-installer]# grep ERROR foreman.*
foreman.1.log:[DEBUG 2016-04-26 08:45:32 main] calling :function_validate_re with [{"ERROR", "^ (UNKNOWN|FATAL|
ERROR|WARN|INFO|DEBUG)$"}]]
foreman.1.log:[ERROR 2016-04-26 08:46:00 main] /Stage[main]/Foreman_proxy::Register/Foreman_smartproxy[deploy
.lab]: Could not evaluate: Proxy deploy.lab cannot be registered (Could not load data from https://deploy.lab
foreman.1.log:[ERROR 2016-04-26 08:46:05 main] Errors encountered during run:
foreman.1.log:[ERROR 2016-04-26 08:46:05 main] /Stage[main]/Foreman_proxy::Register/Foreman_smartproxy[deploy
.lab]: Could not evaluate: Proxy deploy.lab cannot be registered (Could not load data from https://deploy.lab
foreman.2.log:[DEBUG 2016-04-25 16:58:32 main] calling :function_validate_re with [{"ERROR", "^ (UNKNOWN|FATAL|
ERROR|WARN|INFO|DEBUG)$"}]]
foreman.2.log:[ INFO 2016-04-25 17:09:33 main] # WARN, DEBUG, ERROR, FATAL, INFO, UNKNOWN
foreman.2.log:[ INFO 2016-04-25 17:09:33 main] -:log_level: ERROR
foreman.2.log:[ INFO 2016-04-25 17:09:33 main] +:log_level: ERROR
foreman.2.log:[ERROR 2016-04-25 17:12:54 main] /Stage[main]/Foreman_proxy::Register/Foreman_smartproxy[deploy
.lab]: Could not evaluate: Proxy deploy.lab cannot be registered (Could not load data from https://deploy.lab
foreman.2.log:[ERROR 2016-04-25 17:12:58 main] /Stage[main]/Foreman_proxy::Register/Foreman_smartproxy[deploy
.lab]: Failed to call refresh: Proxy deploy.lab cannot be registered (Could not load data from https://deploy.
lab
foreman.2.log:[ERROR 2016-04-25 17:12:58 main] /Stage[main]/Foreman_proxy::Register/Foreman_smartproxy[deploy
.lab]: Proxy deploy.lab cannot be registered (Could not load data from https://deploy.lab
foreman.log:[DEBUG 2016-04-26 08:46:25 main] calling :function_validate_re with [{"ERROR", "^ (UNKNOWN|FATAL|ER
ROR|WARN|INFO|DEBUG)$"}]]
foreman.log:[ERROR 2016-04-26 08:46:52 main] /Stage[main]/Foreman_proxy::Register/Foreman_smartproxy[deploy.l
ab]: Could not evaluate: Proxy deploy.lab cannot be registered (Could not load data from https://deploy.lab
```

## RPM Package Versions:

```
[root@deploy httpd]# rpm -qa | grep passenger
passenger-4.0.53-4.el7.x86_64
mod_passenger-4.0.53-4.el7.x86_64
tfm-rubygem-passenger-4.0.18-9.10.el7.x86_64
tfm-rubygem-passenger-native-4.0.18-9.10.el7.x86_64
tfm-rubygem-passenger-native-libs-4.0.18-9.10.el7.x86_64
```

Is there any other logging you need?

### #14 - 04/26/2016 09:38 AM - Dominic Cleal

David Gersting wrote:

#### SELinux:

Initial install was performed in enforcing mode. Switching to permissive and re-running foreman-install reported no errors, and smart proxy appears in web UI?

Will reset lab VM and re-install w/ SELinux in permissive...

Thanks, your problem is almost certainly ticket [#14811](#). A fix is in progress.

As you found, changing SELinux to permissive will fix it or perhaps prioritising the Foreman repo over EPEL (our repo has an older version of Passenger that has SELinux support).

### #15 - 04/26/2016 11:33 AM - Scott Worthington

- *File 2016-04-26\_latest\_passenger\_from\_epel7.txt added*

Dominic Cleal wrote:

As you found, changing SELinux to permissive will fix it or perhaps prioritising the Foreman repo over EPEL (our repo has an older version of Passenger that has SELinux support).

On CentOS 7.2.1511, changing /etc/selinux/config from SELINUX=enforcing to SELINUX=permissive seems to have corrected the problem of the new passenger and mod\_passenger RPMs.

My steps:

1. I changed the SELINUX setting to permissive.
2. Re-enabled passenger & mod\_passenger to be updated from EPEL (previously excluded)
3. Ran a yum update
4. Rebooted

The /var/log/httpd/error\_log contains the following entry, **however** apache DOES start and I am able to log into theforeman web ui:

```
App 2058 stderr: --> passenger_native_support was compiled for Ruby API version 2.0.0, but you're currently r
unning a Ruby interpreter with API version 2.2.0.
App 2058 stderr: Refusing to load existing passenger_native_support.
App 2058 stderr: --> No passenger_native_support.so found for current Ruby interpreter.
App 2058 stderr: This library provides various optimized routines that make
App 2058 stderr: Phusion Passenger faster. Please run 'sudo yum install passenger-devel-4.0.53'
App 2058 stderr: so that Phusion Passenger can compile one on the next run.
App 2058 stderr: --> Continuing without passenger_native_support.so.
App 2130 stdout:
```

It does appear to be a SELINUX blocking issue with the new EPEL-based passenger & mod\_passenger RPMs.

**#16 - 04/26/2016 11:45 AM - David Gersting**

I see the same. I just reset my lab VM, and foreman-install runs cleanly when SELinux is in Permissive mode. There's still the errors about the Ruby version in Apache's error\_log, but the daemon starts and nothing seems broken. (but I've also not tested anything other than the install itself)

**#17 - 04/27/2016 03:05 AM - Dominic Cleal**

- *Is duplicate of Bug #14811: Passenger paths changed once again (RHEL7) added*

**#18 - 04/27/2016 03:05 AM - Dominic Cleal**

- *Status changed from Need more information to Duplicate*

Thanks for confirming it's SELinux, we'll handle this under the other ticket.

**Files**

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2016-04-26_latest_passenger_from_epel7.txt	7.5 KB	04/26/2016	Scott Worthington
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