

## SELinux - Bug #5487

### cant run with SELinux in enforcing after upgrade to 1.5RC2

04/29/2014 01:35 PM - Ade Bradshaw

<b>Status:</b>	Closed	<b>Fixed in Releases:</b> <b>Found in Releases:</b> <b>Red Hat JIRA:</b>
<b>Priority:</b>	Normal	
<b>Assignee:</b>	Lukas Zapletal	
<b>Category:</b>	Packaging	
<b>Target version:</b>	1.4.4	
<b>Difficulty:</b>	easy	
<b>Triaged:</b>		
<b>Bugzilla link:</b>		
<b>Pull request:</b>		
<b>Description</b>		
After upgrading so RC2, I get errors in the WebUI		
<pre>Oops, we're sorry but something went wrong</pre>		
<pre>Warning!</pre>		
<pre>File exists - /usr/share/foreman/tmp</pre>		
When doing setenforce 0 it works fine		
With setenforce 1 it fails every time		
I have grep'd my denied messages from the audit log (will attach)		
<b>Related issues:</b>		
Related to SELinux - Bug #5466: Latest passenger update broke SELinux file co...		<b>Closed</b> <b>04/28/2014</b>

#### Associated revisions

##### Revision b5f521e7 - 04/30/2014 04:32 PM - Lukas Zapletal

fixes #5487 - fixed paths in selinux-relabel script

#### History

##### #1 - 04/29/2014 01:37 PM - Dominic Cleal

- Status changed from New to Assigned
- Assignee set to Lukas Zapletal
- Target version set to 1.8.3
- translation missing: en.field\_release set to 4

##### #2 - 04/29/2014 02:22 PM - Lukas Zapletal

Hey thanks for the report, I am unable to confirm with nightly. Can you please give me:

ps auxZwww

##### #3 - 04/29/2014 02:42 PM - Ade Bradshaw

Hi Lukas

Here you go, let me know if you need any thing else

<http://paste.fedoraproject.org/97812/98782278/>

##### #4 - 04/29/2014 02:58 PM - Lukas Zapletal

Ok this explains everything. Both puppet master and foreman are running in wrong domain httpd\_t instead of passenger\_t.

Can you please now pastebin the following (versions of the RPM packages or in directories might be slightly different):

```
[root@nightly ~]# rpm -qa | grep passenger
rubygem-passenger-native-4.0.18-9.4.el6.x86_64
ruby193-rubygem-passenger-native-libs-4.0.18-9.4.el6.x86_64
rubygem-passenger-native-libs-4.0.18-9.4.el6.x86_64
mod_passenger-4.0.18-9.4.el6.x86_64
ruby193-rubygem-passenger-4.0.18-9.4.el6.x86_64
ruby193-rubygem-passenger-native-4.0.18-9.4.el6.x86_64
rubygem-passenger-4.0.18-9.4.el6.x86_64
[root@nightly ~]# rpm -ql ruby193-rubygem-passenger-native
/etc/logrotate.d/ruby193-passenger
/opt/rh/ruby193/root/usr/lib64/gems/exts/passenger-4.0.18/agents
/opt/rh/ruby193/root/usr/lib64/gems/exts/passenger-4.0.18/agents/PassengerHelperAgent
/opt/rh/ruby193/root/usr/lib64/gems/exts/passenger-4.0.18/agents/PassengerLoggingAgent
/opt/rh/ruby193/root/usr/lib64/gems/exts/passenger-4.0.18/agents/PassengerWatchdog
/opt/rh/ruby193/root/usr/lib64/gems/exts/passenger-4.0.18/agents/SpawnPreparer
/opt/rh/ruby193/root/var/log/passenger-analytics
[root@nightly ~]# rpm -ql rubygem-passenger-native
/etc/logrotate.d/passenger
/usr/lib64/ruby/site_ruby/1.8/x86_64-linux/agents
/usr/lib64/ruby/site_ruby/1.8/x86_64-linux/agents/PassengerHelperAgent
/usr/lib64/ruby/site_ruby/1.8/x86_64-linux/agents/PassengerLoggingAgent
/usr/lib64/ruby/site_ruby/1.8/x86_64-linux/agents/PassengerWatchdog
/usr/lib64/ruby/site_ruby/1.8/x86_64-linux/agents/SpawnPreparer
/var/log/passenger-analytics
[root@nightly ~]# ls /opt/rh/ruby193/root/usr/lib64/gems/exts/passenger-4.0.18/agents -Z
-rwxr-xr-x. root root system_u:object_r:passenger_exec_t:s0 PassengerHelperAgent
-rwxr-xr-x. root root system_u:object_r:passenger_exec_t:s0 PassengerLoggingAgent
-rwxr-xr-x. root root system_u:object_r:passenger_exec_t:s0 PassengerWatchdog
-rwxr-xr-x. root root system_u:object_r:passenger_exec_t:s0 SpawnPreparer
[root@nightly ~]# ls /usr/lib64/ruby/site_ruby/1.8/x86_64-linux/agents -Z
-rwxr-xr-x. root root system_u:object_r:passenger_exec_t:s0 PassengerHelperAgent
-rwxr-xr-x. root root system_u:object_r:passenger_exec_t:s0 PassengerLoggingAgent
-rwxr-xr-x. root root system_u:object_r:passenger_exec_t:s0 PassengerWatchdog
-rwxr-xr-x. root root system_u:object_r:passenger_exec_t:s0 SpawnPreparer
```

Also show me your SELinux policy and foreman policy version numbers and then paste me output of our file context:

```
[root@nightly ~]# rpm -q selinux-policy foreman-selinux
selinux-policy-3.7.19-231.el6.noarch
foreman-selinux-1.6.0-0.develop.201404281258git0e094fe.el6.noarch
[root@nightly ~]# cat /usr/share/doc/foreman-selinux-1.6.0/foreman.fc
```

## #5 - 04/29/2014 04:15 PM - Ade Bradshaw

Hi Lukas

```
rubygem-passenger-4.0.18-9.4.el6.x86_64
rubygem-passenger-native-4.0.18-9.4.el6.x86_64
mod_passenger-4.0.18-9.4.el6.x86_64
ruby193-rubygem-passenger-4.0.18-9.4.el6.x86_64
rubygem-passenger-native-libs-4.0.18-9.4.el6.x86_64
ruby193-rubygem-passenger-native-libs-4.0.18-9.4.el6.x86_64
ruby193-rubygem-passenger-native-4.0.18-9.4.el6.x86_64
/etc/logrotate.d/ruby193-passenger
/opt/rh/ruby193/root/usr/lib64/gems/exts/passenger-4.0.18/agents
/opt/rh/ruby193/root/usr/lib64/gems/exts/passenger-4.0.18/agents/PassengerHelperAgent
/opt/rh/ruby193/root/usr/lib64/gems/exts/passenger-4.0.18/agents/PassengerLoggingAgent
/opt/rh/ruby193/root/usr/lib64/gems/exts/passenger-4.0.18/agents/PassengerWatchdog
/opt/rh/ruby193/root/usr/lib64/gems/exts/passenger-4.0.18/agents/SpawnPreparer
/opt/rh/ruby193/root/var/log/passenger-analytics
/etc/logrotate.d/passenger
/usr/lib64/ruby/site_ruby/1.8/x86_64-linux/agents
/usr/lib64/ruby/site_ruby/1.8/x86_64-linux/agents/PassengerHelperAgent
/usr/lib64/ruby/site_ruby/1.8/x86_64-linux/agents/PassengerLoggingAgent
/usr/lib64/ruby/site_ruby/1.8/x86_64-linux/agents/PassengerWatchdog
/usr/lib64/ruby/site_ruby/1.8/x86_64-linux/agents/SpawnPreparer
/var/log/passenger-analytics

-rwxr-xr-x. root root system_u:object_r:lib_t:s0 PassengerHelperAgent
-rwxr-xr-x. root root system_u:object_r:lib_t:s0 PassengerLoggingAgent
-rwxr-xr-x. root root system_u:object_r:lib_t:s0 PassengerWatchdog
-rwxr-xr-x. root root system_u:object_r:lib_t:s0 SpawnPreparer

-rwxr-xr-x. root root system_u:object_r:lib_t:s0 PassengerHelperAgent
-rwxr-xr-x. root root system_u:object_r:lib_t:s0 PassengerLoggingAgent
```

```
-rwxr-xr-x. root root system_u:object_r:lib_t:s0 PassengerWatchdog
-rwxr-xr-x. root root system_u:object_r:lib_t:s0 SpawnPreparer
```

selinux-policy-3.7.19-231.el6\_5.1.noarch  
foreman-selinux-1.5.0-0.2.RC2.el6.noarch

#### #6 - 04/30/2014 09:15 AM - Lukas Zapletal

Confirmed, strange, foreman-selinux should relabel during installation automatically. Can you do:

```
1. foreman-selinux-relabel
```

Then check the labels and if these were fixed you can set enforcing back and restart apache.

```
1. ls /opt/rh/ruby193/root/usr/lib64/gems/exts/passenger-4.0.18/agents -Z
2. ls /usr/lib64/ruby/site_ruby/1.8/x86_64-linux/agents -Z
```

Is it possible you installed/upgraded the instance when SELinux was turned off? In that case, relabel is not initiated.

#### #7 - 04/30/2014 12:39 PM - Ade Bradshaw

My server runs in Enforcing, in fact puppet makes sure it is always in enforcing :-D

OK, ran the relabel and restarted 8and rebooted) still doesnt run unless Im in permissive mode

#### #8 - 04/30/2014 01:30 PM - Joop van de Wege

Lukas Zapletal wrote:

Confirmed, strange, foreman-selinux should relabel during installation automatically. Can you do:

```
1. foreman-selinux-relabel
```

I have the same problem and running the above outputs info about fixing /etc/foreman folders but not /opt/rh/ruby193/root/user/lib64/...

My foreman-selinux is version 1.5.0-0.2.RC2.el6 while you refer to 1.6.0.

Joop

#### #9 - 04/30/2014 02:50 PM - Lukas Zapletal

- Category set to Packaging
- Status changed from Assigned to Ready For Testing
- Difficulty set to easy

All right, found the bug. My bad. The patch is here:

<https://github.com/theforeman/foreman-selinux/pull/16>

Temporary workaround:

```
/sbin/restorecon -rvvi \  
/opt/rh/ruby193/root/usr/share/gems/gems/passenger-* \  
/opt/rh/ruby193/root/usr/lib64/gems/exts/passenger-*/agents \  
/usr/lib/ruby/gems/1.8/gems/passenger-* \  
/usr/lib64/ruby/site_ruby/1.8/x86_64-linux/agents
```

#### #10 - 04/30/2014 04:28 PM - Ade Bradshaw

thanks a lot, that works perfectly, Im now back in Enforcing mode :D

#### #11 - 04/30/2014 04:33 PM - Dominic Cleal

Thanks for confirming!

#### #12 - 04/30/2014 04:47 PM - Anonymous

- Status changed from Ready For Testing to Closed
- % Done changed from 0 to 100

Applied in changeset [b5f521e7b6514204772e627a63a1102ceb1546ec](#).

**#13 - 05/07/2014 10:12 AM - Dominic Cleal**

- translation missing: en.field\_release changed from 4 to 17

**#14 - 05/07/2014 10:13 AM - Dominic Cleal**

- Related to Bug #5466: Latest passenger update broke SELinux file contexts added

**Files**

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avcs.log	1.34 MB	04/29/2014	Ade Bradshaw
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