

Foreman - Bug #1872

Puppet and foreman 3.0 Do not play well together

09/19/2012 12:35 PM - Gordon Irving

|  |                    |  |
|--|--------------------|--|
| <b>Status:</b>   | Closed             | <b>Fixed in Releases:</b><br><b>Found in Releases:</b><br><b>Red Hat JIRA:</b> |
| <b>Priority:</b>   | High               |  |
| <b>Assignee:</b>   | Sam Kottler        |  |
| <b>Category:</b>   | Puppet integration |  |
| <b>Target version:</b>   | 1.1                |  |
| <b>Difficulty:</b>   |                    |  |
| <b>Triaged:</b>  |                    |  |
| <b>Bugzilla link:</b>  |                    |  |
| <b>Pull request:</b>   |                    |  |
| <b>Description</b>   |                    |  |
| Initial error with current nightly build and latest rc of puppet 3.0   |                    |  |
| puppet/settings.rb:263:in `convert': Error converting value for param 'hostcert': Error converting value for param 'certdir': Error converting value for param 'ssldir': Could not find value for \$confdir (Puppet::Settings::InterpolationError) |                    |  |
| Added the following line into foreman/default_settings_loader.rb in method load<br>Puppet.settings.initialize_global_settings(['--config=/etc/puppet/puppet.conf'])  |                    |  |
| Removed<br>Puppet.parse_config from config/initializers/puppet.rb  |                    |  |
| which results in the current error :-<br>foreman/app/models/archlinux.rb:1:in `const_missing': uninitialized constant OperatingSystem (NameError)  |                    |  |
| <b>Related issues:</b>   |                    |  |
| Related to Foreman - Bug #1897: Puppet clients activity overview is not updat...   | Closed             | 10/15/2012   |
| Related to Foreman - Bug #1977: Report not parsed Puppet 2.7 with Ruby 1.9   | Closed             | 11/27/2012   |
| Related to Foreman - Bug #1994: Puppet 3: \$vardir also has to be set or it fa...  | Closed             | 12/04/2012   |

Associated revisions

Revision e81bf057 - 11/15/2012 05:34 AM - Sam Kottler

fixes #1872 - Adds Puppet v3 support

History

#1 - 10/01/2012 11:14 AM - Sam Kottler

- Status changed from New to Assigned
- Assignee set to Sam Kottler

There is another issue - the HostObserver constant is uninitialized when using Puppet3. Here is the output - <https://gist.github.com/a2002894b0d3cab93ca>. The command succeeds when puppet 2.7.19 is used.

#2 - 10/01/2012 06:37 PM - Colin Hudler

Aside from the minor config initialization problem as reported initially, I believe the later problem is caused by this change in puppet < <https://github.com/puppetlabs/puppet/commit/6ab192f1c1ff643d095c9c8819ecef3f54d737f7&gt;>.

Foreman/rails seems to work normally for me after removing the line ActiveSupport::Dependencies.unhook!

Puppet wants to shut down the Rails autoloader apparently for performance reasons, which leads directly to this problem in foreman. Roughly, it is executed down through Rails -> initializers/puppet.rb -> puppet/rails -> Puppet.features.rails? -> load(feature/rails) -> BOOM.

#3 - 10/01/2012 06:39 PM - Colin Hudler

Colin Hudler wrote:

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#### #4 - 10/02/2012 02:44 PM - Colin Hudler

- File 3\_0-hack.patch added

Attached is a dirty thing that I used to work around it for now. A saner fix is probably possible, however. It still does require call to Puppet.settings.initialize\_global\_settings at some early point, as OP suggested. Hope this helps.

Same thing also in <http://pastie.org/4898077> (sans needless require)

#### #5 - 10/02/2012 04:43 PM - Gordon Irving

just confirmed the hack coupled with the Puppet.settings.initialize\_global\_settings hack has got foreman started up and running again with puppet 3.0

#### #6 - 10/02/2012 05:29 PM - Sam Kottler

- Status changed from Assigned to Feedback

- Priority changed from Normal to High

I've opened a pull request with the necessary changes at <https://github.com/foreman/foreman/pull/166>. Thanks for the feedback, everyone!

#### #7 - 10/02/2012 05:29 PM - Sam Kottler

- Category set to Puppet integration

- Target version set to 1.1

Tagging for 1.1.

#### #8 - 10/12/2012 11:06 AM - Frederik Nosi

Same issue here.

I'm using WEBrick for puppetmaster as it's a testing install. Even after applying the 3 patches from the pull request i get the same error:

```
[root@test foreman]# /etc/init.d/foreman start
Starting foreman: ]Libvirt binding are missing - hypervisor management is disabled
/usr/lib/ruby/gems/1.8/gems/ruby_parser-2.3.1/lib/ruby_parser_extras.rb:10: warning: already initialized constant ENC_NONE
/usr/lib/ruby/gems/1.8/gems/ruby_parser-2.3.1/lib/ruby_parser_extras.rb:11: warning: already initialized constant ENC_EUC
/usr/lib/ruby/gems/1.8/gems/ruby_parser-2.3.1/lib/ruby_parser_extras.rb:12: warning: already initialized constant ENC_SJIS
/usr/lib/ruby/gems/1.8/gems/ruby_parser-2.3.1/lib/ruby_parser_extras.rb:13: warning: already initialized constant ENC_UTF8
/usr/lib/ruby/site_ruby/1.8/puppet/settings.rb:252:in `convert': Error converting value for param 'hostcert': Error converting value for param 'certdir':
Error converting value for param 'ssldir': Could not find value for $confdir (Puppet::Settings::InterpolationError)
from /usr/lib/ruby/site_ruby/1.8/puppet/settings.rb:243:in `gsub'
from /usr/lib/ruby/site_ruby/1.8/puppet/settings.rb:243:in `convert'
from /usr/lib/ruby/site_ruby/1.8/puppet/settings.rb:971:in `value'
from /usr/lib/ruby/site_ruby/1.8/puppet/settings.rb:249:in `convert'
from /usr/lib/ruby/site_ruby/1.8/puppet/settings.rb:243:in `gsub'
from /usr/lib/ruby/site_ruby/1.8/puppet/settings.rb:243:in `convert'
from /usr/lib/ruby/site_ruby/1.8/puppet/settings.rb:971:in `value'
from /usr/lib/ruby/site_ruby/1.8/puppet/settings.rb:249:in `convert'
from /usr/lib/ruby/site_ruby/1.8/puppet/settings.rb:243:in `gsub'
from /usr/lib/ruby/site_ruby/1.8/puppet/settings.rb:243:in `convert'
from /usr/lib/ruby/site_ruby/1.8/puppet/settings.rb:971:in `value'
from /usr/lib/ruby/site_ruby/1.8/puppet/settings.rb:66:in `[]'
from /usr/share/foreman/lib/foreman/default_settings/loader.rb:45:in `load'
from /usr/lib/ruby/gems/1.8/gems/activerecord-3.0.15/lib/active_record/connection_adapters/abstract/database_statements.rb:139:in `transaction'
from /usr/lib/ruby/gems/1.8/gems/activerecord-3.0.15/lib/active_record/transactions.rb:207:in `transaction'
from /usr/share/foreman/lib/foreman/default_settings/loader.rb:31:in `load'
from /usr/share/foreman/config/initializers/foreman.rb:4
from /usr/lib/ruby/gems/1.8/gems/activesupport-3.0.15/lib/active_support/dependencies.rb:236:in `load'
from /usr/lib/ruby/gems/1.8/gems/activesupport-3.0.15/lib/active_support/dependencies.rb:236:in `load'
from /usr/lib/ruby/gems/1.8/gems/activesupport-3.0.15/lib/active_support/dependencies.rb:227:in `load_dependency'
from /usr/lib/ruby/gems/1.8/gems/activesupport-3.0.15/lib/active_support/dependencies.rb:236:in `load'
```

```

from /usr/lib/ruby/gems/1.8/gems/railties-3.0.15/lib/rails/engine.rb:201
from /usr/lib/ruby/gems/1.8/gems/railties-3.0.15/lib/rails/engine.rb:200:in `each'
from /usr/lib/ruby/gems/1.8/gems/railties-3.0.15/lib/rails/engine.rb:200
from /usr/lib/ruby/gems/1.8/gems/railties-3.0.15/lib/rails/initializable.rb:25:in `instance_exec'
from /usr/lib/ruby/gems/1.8/gems/railties-3.0.15/lib/rails/initializable.rb:25:in `run'
from /usr/lib/ruby/gems/1.8/gems/railties-3.0.15/lib/rails/initializable.rb:50:in `run_initializers'
from /usr/lib/ruby/gems/1.8/gems/railties-3.0.15/lib/rails/initializable.rb:49:in `each'
from /usr/lib/ruby/gems/1.8/gems/railties-3.0.15/lib/rails/initializable.rb:49:in `run_initializers'
from /usr/lib/ruby/gems/1.8/gems/railties-3.0.15/lib/rails/application.rb:134:in `initialize!'
from /usr/lib/ruby/gems/1.8/gems/railties-3.0.15/lib/rails/application.rb:77:in `send'
from /usr/lib/ruby/gems/1.8/gems/railties-3.0.15/lib/rails/application.rb:77:in `method_missing'
from /usr/share/foreman/config/environment.rb:5
from /usr/lib/ruby/gems/1.8/gems/activesupport-3.0.15/lib/active_support/dependencies.rb:242:in `require'
from /usr/lib/ruby/gems/1.8/gems/activesupport-3.0.15/lib/active_support/dependencies.rb:242:in `require'
from /usr/lib/ruby/gems/1.8/gems/activesupport-3.0.15/lib/active_support/dependencies.rb:225:in `load_dependency'
from /usr/lib/ruby/gems/1.8/gems/activesupport-3.0.15/lib/active_support/dependencies.rb:597:in `new_constants_in'
from /usr/lib/ruby/gems/1.8/gems/activesupport-3.0.15/lib/active_support/dependencies.rb:225:in `load_dependency'
from /usr/lib/ruby/gems/1.8/gems/activesupport-3.0.15/lib/active_support/dependencies.rb:242:in `require'
from /usr/share/foreman/config.ru:3
from /usr/lib/ruby/gems/1.8/gems/rack-1.2.5/lib/rack/builder.rb:46:in `instance_eval'
from /usr/lib/ruby/gems/1.8/gems/rack-1.2.5/lib/rack/builder.rb:46:in `initialize'
from /usr/share/foreman/config.ru:1:in `new'
from /usr/share/foreman/config.ru:1
[FAILED]

```

Any ideas?

Thanks,  
Frederik

#### #9 - 10/12/2012 11:19 AM - Sam Kottler

Frederik,

Can you try running `ln -s /etc/puppet /home/foreman/.puppet` and see if foreman will then boot properly? This problem is caused by a change that causes non-root users to load `~/puppet` to look for `puppet.conf`.

#### #10 - 10/12/2012 12:36 PM - Frederik Nosi

foreman's home in my installation (RH 5.8, foreman's yum repo) is at `/usr/share/foreman`, so i linked the directory this way:

```

[root@test foreman]# grep foreman /etc/passwd
foreman:x:101:104:Foreman:/usr/share/foreman:/sbin/nologin
foreman-proxy:x:52:156:Foreman Proxy deamon user:/usr/share/foreman-proxy:/sbin/nologin
[root@test foreman]# ln -s /etc/puppet /usr/share/foreman/.puppet

```

But i get the same error:

```

[root@test foreman]# /etc/init.d/foreman start
Starting foreman: Libvirt binding are missing - hypervisor management is disabled
/usr/lib/ruby/gems/1.8/gems/ruby_parser-2.3.1/lib/ruby_parser_extras.rb:10: warning: already initialized constant ENC_NONE
/usr/lib/ruby/gems/1.8/gems/ruby_parser-2.3.1/lib/ruby_parser_extras.rb:11: warning: already initialized constant ENC_EUC
/usr/lib/ruby/gems/1.8/gems/ruby_parser-2.3.1/lib/ruby_parser_extras.rb:12: warning: already initialized constant ENC_SJIS
/usr/lib/ruby/gems/1.8/gems/ruby_parser-2.3.1/lib/ruby_parser_extras.rb:13: warning: already initialized constant ENC_UTF8
/usr/lib/ruby/site_ruby/1.8/puppet/settings.rb:252:in `convert': Error converting value for param 'hostcert': Error converting value for param 'certdir':
Error converting value for param 'ssldir': Could not find value for $vardir (Puppet::Settings::InterpolationError)
from /usr/lib/ruby/site_ruby/1.8/puppet/settings.rb:243:in `gsub'
[...]

```

Just to be sure, i tried checking which puppet configuration directory gets checked during foreman's start this way:

```

[root@test foreman]# strace -fe file -o /tmp/asd /etc/init.d/foreman start
[ommitting the start error which is the same as before]

```

```

[root@test foreman]# grep "\.puppet" /tmp/asd
32758 stat("/usr/share/foreman/.puppet/puppet.conf", {st_mode=S_IFREG|0644, st_size=1156, ...}) = 0
32758 open("/usr/share/foreman/.puppet/puppet.conf", O_RDONLY) = 4

```

Maybe i'm missing for real some setting in `/etc/puppet/puppet.conf` ?

Thanks in advance,  
Frederik

#### #11 - 10/12/2012 12:55 PM - Frederik Nosi

Another info, i tried both with the patch and without with the same result.

Thanks for your reply,  
Frederik

#### #12 - 10/12/2012 03:06 PM - Greg Sutcliffe

Make sure you don't have any variables (\$foo) in your puppet.conf - the parser is broken. Replace them with explicit data. E.g replace \$vardir with /var/lib/puppet and so on

#### #13 - 10/15/2012 09:33 AM - Frederik Nosi

Hi Greg,  
that was it! Thanks!  
IMHO it'll save time to others adding this info in the wiki / documentation, i'll look into this (not sure i can modify the pages).

Frederik

#### #14 - 10/15/2012 09:40 AM - Sam Kottler

This certainly isn't a permanent solution to the issues so hopefully the upstream configuration loader will get fixed soon and then normal variable interpolation will work once again.

#### #15 - 10/31/2012 11:17 AM - konrad rzentarzewski

does it have corresponding ticket in puppet's redmine?

#### #16 - 11/08/2012 02:00 AM - Daniel Gagnon

Report processing sometimes fails:

```
Started POST "/reports/create?format=yml" for 10.100.130.10 at Thu Nov 08 01:48:22 -0500 2012
Processing by ReportsController#create as YAML
Parameters: {"report"=>"[FILTERED]"}
User Load (0.1ms) SELECT `users`. * FROM `users` WHERE `users`.`login` = 'admin' LIMIT 1
Setting current user thread-local variable to admin
processing report for c3wb10tag.globalserveur.com
Host Load (0.7ms) SELECT `hosts`. * FROM `hosts` WHERE `hosts`.`certname` = 'c3wb10tag.globalserveur.com' LIMIT 1
Failed to process report for c3wb10tag.globalserveur.com due to:undefined method `[]' for nil:NilClass
Rendered text template (0.0ms)
Completed 500 Internal Server Error in 6ms (Views: 0.9ms | ActiveRecord: 0.9ms)
```

#### #17 - 11/08/2012 02:29 AM - Daniel Gagnon

Trace: <http://pastebin.com/SCbcFDEP>

#### #18 - 11/12/2012 11:22 AM - Greg Sutcliffe

@dgagnon I think I've found the problem with the report processing, and my workaround has been merged into 166 - can you give it a try?

#### #19 - 11/15/2012 05:41 AM - Ohad Levy

- Target version changed from 1.1 to Bug scrub

#### #20 - 11/15/2012 05:44 AM - Sam Kottler

- Status changed from Feedback to Closed

- % Done changed from 0 to 100

Applied in changeset [e81bf0573125fa569e35f991df451cb9e4e8a948](#).

## Files

|                |           |            |              |
|----------------|-----------|------------|--------------|
| 3_0-hack.patch | 750 Bytes | 10/02/2012 | Colin Hudler |
|----------------|-----------|------------|--------------|