Foreman - Bug #1994

Puppet 3: $vardir also has to be set or it fails to interpolate

12/04/2012 12:14 PM - Dominic Cleal

Status:	Closed	
Priority:	Normal	
Assignee:	Dominic Cleal	
Category:	Puppet integration	
Target version:	1.1	
Difficulty:		**Fixed in Releases:**
Triaged:		**Found in Releases:**
Bugzilla link:		**Red Hat JIRA:**
Pull request:		

Description

With Puppet 3, we call the initialize_global_settings method with the --confdir and the value of the :puppetconfdir setting. However if the puppet.conf references $vardir (which settings do by default) then --vardir also has to be set when we initialise Puppet.

As mentioned in Jeff's comment here, this had to be added to the puppet config.ru for 3.0.1 too:
http://projects.puppetlabs.com/issues/16637#note-9

This is equivalent to how we initialise Puppet 3 today, which throws an error:

```
irb(main):001:0> require 'puppet'
=> true
irb(main):002:0> Puppet.settings.initialize_global_settings(['--confdir', '/etc/puppet', '--run_mo
de', 'master'])
=> true
irb(main):003:0> puts Puppet[:hostcert]
Puppet::Settings::InterpolationError: Error converting value for param 'hostcert': Error convertin
g value for param 'certdir': Error converting value for param 'ssldir': Could not find value for $
vardir
```

Other minor related problems:

1. :puppetconfdir is actually pointing to /etc/puppet/puppet.conf usually, so this should really be --conf rather than confdir
2. :puppetconfdir was removed in 7c08e30a47a16d387f26d1c617cdedc60d9d0582
3. missing comma in my commit inside '--run_mode' 'master'

Related issues:

Related to Foreman - Bug #1872: Puppet and foreman 3.0 Do not play well together	**Closed**	**09/19/2012**

Associated revisions

Revision fc6fbf91 - 12/05/2012 01:03 PM - Dominic Cleal

fixes #1994 - set vardir for puppet 3, use --configprint

When running Puppet 3 as a non-root user (i.e. foreman), both --confdir and
--vardir have to be specified as per Puppet #16637, else SSL settings dependent
on vardir will fail.

This adds a new puppetvardir setting used with puppetconfdir, and supports
puppetconfdir being a file or directory due to historic settings.yaml examples.

It now shells out and uses `puppet master --configprint` to retrieve settings
to avoid changes in Puppet settings initialization logic across versions (e.g.
run_mode on Puppet 3).

History

#1 - 12/04/2012 12:21 PM - Dominic Cleal

- Status changed from New to Assigned

- Assignee changed from Ohad Levy to Dominic Cleal

I don't particularly like the idea of having a Foreman setting for the Puppet vardir as it feels we're getting too internal. Perhaps this will go away with the refactor of Puppet settings in 3.1.

I'm going to try replacing this with simple calls to `puppet master --configprint` (or `puppetmasterd` as appropriate), which will work consistently across all versions and avoid getting into Puppet's application initialisation logic.

#2 - 12/04/2012 12:25 PM - Dominic Cleal

":puppetconfdir was removed in 7c08e30a47a16d387f26d1c617cdedc60d9d0582"

This is causing the following error:

```
Error parsing arguments
/home/bretw/src/foreman/vendor/ruby/1.8/gems/puppet-3.0.1/lib/puppet/util/command_line/puppet_option_parser.rb
:78:in `parse'
/home/bretw/src/foreman/vendor/ruby/1.8/gems/puppet-3.0.1/lib/puppet/settings.rb:183:in `parse_global_options'
/home/bretw/src/foreman/vendor/ruby/1.8/gems/puppet-3.0.1/lib/puppet/settings.rb:146:in `initialize_global_set
tings'
/home/bretw/src/foreman/lib/foreman/default_settings/loader.rb:27:in `load'
```

(as reported in [foreman-users: Trying to get Foreman working with Puppet 3](#))

#3 - 12/05/2012 06:33 AM - Dominic Cleal

Specifying vardir is unavoidable with Puppet 3, since we call Puppet as a non-root user (see [#16637](#)), so I've added a "puppetvardir" setting to settings.yaml, which defaults to /var/lib/puppet.

https://github.com/theforeman/foreman/pull/280

#4 - 12/05/2012 02:18 PM - Dominic Cleal

- Status changed from Assigned to Closed

- % Done changed from 0 to 100

Applied in changeset [fc6fbf9159657066e019390b32aecb41c88f7ad3](#).