Foreman - Bug #25524
allow matching prerelease versions in requires_foreman_plugin

11/21/2018 09:59 AM - Ales Dujicek

<table>
<thead>
<tr>
<th>Status:</th>
<th>Closed</th>
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<tbody>
<tr>
<td>Priority:</td>
<td>Normal</td>
</tr>
<tr>
<td>Assignee:</td>
<td>Chris Duryee</td>
</tr>
<tr>
<td>Category:</td>
<td>Plugin integration</td>
</tr>
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<td>Target version:</td>
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<thead>
<tr>
<th>Difficulty:</th>
<th>Pull request:</th>
<th>Pull request</th>
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<td><a href="https://github.com/theforeman/foreman/pull/6313">https://github.com/theforeman/foreman/pull/6313</a></td>
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<td>Fixed in Releases:</td>
<td>1.21.0</td>
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<td>Found in Releases:</td>
<td>1.21.0</td>
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**Description**
Katello nightly does not start with tfm-rubygem-foreman_scc_manager plugin

1. yum install tfm-rubygem-foreman_scc_manager
2. systemctl restart httpd

load UI:

Web application could not be started

ERF72-4785 [Foreman::PluginRequirementError]: foreman_scc_manager plugin requires the katello plugin >= 3.7.0 but current is 3.10.0.pre.master (Foreman::PluginRequirementError)
/usr/share/foreman/app/registries/foreman/plugin.rb:193:in `requires_foreman_plugin'
/opt/theforeman/tfm/root/usr/share/gems/gems/foreman_scc_manager-1.4.0/lib/foreman_scc_manager/engine.rb:22:in `block (2 levels) in <class:Engine>'
/usr/share/foreman/app/registries/foreman/plugin.rb:74:in `instance_eval'
/usr/share/foreman/app/registries/foreman/plugin.rb:74:in `register'
/opt/theforeman/tfm/root/usr/share/gems/gems/foreman_scc_manager-1.4.0/lib/foreman_scc_manager/engine.rb:20:in `block in <class:Engine>'
...

When I changed
/opt/theforeman/tfm/root/usr/share/gems/gems/foreman_scc_manager-1.4.0/lib/foreman_scc_manager/engine.rb
to
requires_foreman_plugin 'katello', '>= 3.10.0.pre.master'

A class was passed to `:class_name` but we are expecting a string. (ArgumentError)
/opt/theforeman/tfm-ror52/root/usr/share/gems/gems/activerecord-5.2.1/lib/active_record/reflection.rb:436:in `initialize'
/opt/theforeman/tfm-ror52/root/usr/share/gems/gems/activerecord-5.2.1/lib/active_record/reflection.rb:31:in `new'
/opt/theforeman/tfm-ror52/root/usr/share/gems/gems/activerecord-5.2.1/lib/active_record/reflection.rb:31:in `create'
/opt/theforeman/tfm-ror52/root/usr/share/gems/gems/activerecord-5.2.1/lib/active_record/associations/builder/association.rb:45:in `create_reflection'
/opt/theforeman/tfm-ror52/root/usr/share/gems/gems/activerecord-5.2.1/lib/active_record/associations/builder/association.rb:31:in `build'
...

package versions:
katello-3.10.0-6.el7.noarch
foreman-1.21.0-0.201811201830git6bbaa990.4.develop.el7.noarch
tfm-rubygem-foreman_scc_manager-1.4.0-3.fm1_20.el7.noarch

**Associated revisions**

Revision 531bb90 - 12/11/2018 09:34 AM - Chris Duryee
Fixes #25524 - allow matching prerelease versions

Previously, `requires_foreman_plugin` did not account for prerelease
versions, so if you required Katello 3.8 or later, Katello 3.10 prerelease would not satisfy the requirement.

This commit adds a `allow_prerelease` parameter which is enabled by default. When set to true, prerelease versions are acceptable for version matching.

For example:
```
```ruby
requires_foreman_plugin 'katello', '>= 3.8.0'
requires_foreman_plugin 'katello', '>= 3.8.0', true
```

**History**

#1 - 11/21/2018 06:47 PM - John Mitsch
- Status changed from New to Need more information

Do you know if the foreman_scc_plugin works with standalone foreman?

#2 - 11/22/2018 07:05 AM - Ales Dujicek
- Status changed from Need more information to New

That plugin is in katello repository, should it work without katello?

Anyway, it doesn't.

Web application could not be started

undefined method `actions' for nil:NilClass (NoMethodError)

/opt/theforeman/tfm/root/usr/share/gems/gems/katello-3.10.0.pre.master/lib/katello/permissions/organization_permissions.rb:3:in `<top (required)>'
/opt/theforeman/tfm/root/usr/share/gems/gems/polyglot-0.3.5/lib/polyglot.rb:65:in `require'
/opt/theforeman/tfm-rof52/root/usr/share/gems/gems/activesupport-5.2.1/lib/active_support/dependencies.rb:287:in `block in require'
/opt/theforeman/tfm-rof52/root/usr/share/gems/gems/activesupport-5.2.1/lib/active_support/dependencies.rb:253:in `load_dependency'
/opt/theforeman/tfm-rof52/root/usr/share/gems/gems/active_support-5.2.1/lib/active_support/dependencies.rb:287:in `require'
/opt/theforeman/tfm-root52/root/usr/share/gems/gems/katello-3.10.0.pre.master/lib/katello/permissions.rb:2:in `block in <top (required)>'
/opt/theforeman/tfm/root/usr/share/gems/gems/katello-3.10.0.pre.master/lib/katello/permissions.rb:1:in `each'
...
It looks like the version matcher doesn’t like the ".pre.master" at the end of the string:

```ruby
irb(main):007:0> Gem::Dependency.new('', ' >= 3.7.0').match?('', '3.10.0')
=> true
irb(main):008:0> Gem::Dependency.new('', ' >= 3.7.0').match?('', '3.10.0.pre.master')
=> false
```

I think if foreman supported setting the "prerelease" attribute when matching versions, this would work. For example:

```ruby
irb(main):005:0> matcher = Gem::Dependency.new('', ' >= 3.7.0')
=> <Gem::Dependency type=:runtime name="" requirements=">= 3.7.0">
irb(main):006:0> matcher.prerelease = true
=> true
irb(main):007:0> matcher.match?('', '3.10.0.pre.master')
=> true
irb(main):008:0> matcher.prerelease = false
=> false
irb(main):009:0> matcher.match?('', '3.10.0.pre.master')
=> false
```
#9 - 12/06/2018 04:55 PM - Chris Duryee
- Found in Releases 1.21.0 added
- Found in Releases deleted (Katello 3.10.0)

#10 - 12/06/2018 05:07 PM - The Foreman Bot
- Status changed from New to Ready For Testing
- Pull request https://github.com/theforeman/foreman/pull/6313 added

#11 - 12/11/2018 09:34 AM - Tomer Brisker
- Fixed in Releases 1.21.0 added

#12 - 12/11/2018 10:01 AM - Chris Duryee
- Status changed from Ready For Testing to Closed

Applied in changeset f531bb90c4dc80735a00e96c33c430432126ee7f.