Foreman - Bug #12746

Compute resources can disappear in a development instance

12/08/2015 04:20 PM - Stephen Benjamin

Status:	Closed		
Priority:	Normal		
Assignee:	Dominic Cleal		
Category:	Compute resources		
Target version:	1.12.0		
Difficulty:		**Fixed in Releases:**	
Triaged:		**Found in Releases:**	
Bugzilla link:		**Red Hat JIRA:**	
Pull request:	https://github.com/theforeman/foreman/pull/3377		

Description

Compute resource store plugin registered resources like this:
https://github.com/theforeman/foreman/blob/develop/app/models/compute_resource.rb#L13

If you notice, assignment is being done every time the class is loaded. So, let's take foreman_docker and how the 'Docker' compute resource can completely disappear in a dev environment:

(1) foreman_docker engine.r calls ComputeResource.register_provider
(2) register_provider adds Docker to supported_providers class attributes
(3) something causes the ComputeResource class to be reloaded
(4) Line #13 is re-evaluated, and the supported_providers is reset to the default (without docker)

You can try this out:

```
2.1.5 :008 > ComputeResource.providers
 => ["Libvirt", "Ovirt", "EC2", "Vmware", "Openstack", "Rackspace", "GCE", "Docker"]
2.1.5 :009 > require 'compute_resource' # simulate reload
Creating scope :live_descendants. Overwriting existing method ComputeResource.live_descendants.
 => true
2.1.5 :010 > ComputeResource.providers
 => ["Libvirt", "Ovirt", "EC2", "Vmware", "Openstack", "Rackspace", "GCE"]
```

Related issues:

Related to Foreman - Refactor #12747: Provide some kind of central store or c...	**Resolved**	**12/08/2015**
Has duplicate Foreman - Bug #13694: compute resource provider from plugin mis...	**Duplicate**	**02/13/2016**

Associated revisions

Revision 355c3a31 - 03/31/2016 04:13 AM - Dominic Cleal

fixes #12746 - list compute resources from plugin definitions

Load the full list of known CRs from plugins on the fly, instead of modifying the class-level list of supported plugins. Since plugin definitions don't get reloaded, this allows the ComputeResource class to be reloaded without affecting the registered list.

Changes the apipie translation use of ComputeResource.providers to a lambda to prevent foreman/plugin being autoloaded before it's required in config/initializers/foreman.rb, and to ensure CRs from plugins are listed.

Previously registered provider names are no longer rejected, instead they are merged with preference given to plugins, allowing them to override existing provider names in Foreman.

History

#1 - 12/08/2015 04:20 PM - Stephen Benjamin

- Related to Refactor #12747: Provide some kind of central store or consistent way to manage dynamically registered objects from plugins added

#2 - 02/15/2016 03:06 AM - Dominic Cleal

- Has duplicate Bug #13694: compute resource provider from plugin missing sometimes added

#3 - 03/30/2016 05:22 AM - Dominic Cleal

- Status changed from New to Assigned

- Assignee set to Dominic Cleal   2/2

#4 - 03/30/2016 07:14 AM - The Foreman Bot

- Status changed from Assigned to Ready For Testing

- Pull request https://github.com/theforeman/foreman/pull/3377 added

#5 - 03/31/2016 05:05 AM - Dominic Cleal

- Status changed from Ready For Testing to Closed

- % Done changed from 0 to 100

Applied in changeset [355c3a3180fcb55eead2c93d20004593d59dec7d](#).

#6 - 03/31/2016 06:36 AM - Dominic Cleal

- translation missing: en.field_release set to 136