Foreman - Refactor #12747

Provide some kind of central store or consistent way to manage dynamically registered objects from plugins

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

Status:	Resolved		
Priority:	Normal		
Assignee:			
Category:	Plugin integration		
Target version:			
Difficulty:		**Fixed in Releases:**	
Triaged:		**Found in Releases:**	
Bugzilla link:		**Red Hat JIRA:**	
Pull request:			

Description

Currently, there are number of things you can register for plugins - compute resources, dashboard widgets, etc.

Dashboard widgets stores plugin registered widgets like this:
https://github.com/theforeman/foreman/blob/develop/app/services/dashboard/manager.rb#L3
Compute resource store plugin registered resources like this:
https://github.com/theforeman/foreman/blob/develop/app/models/compute_resource.rb#L13

It's all very inconsistent. We should standardize on a single way, perhaps even having some kind of central store to put this kind of data.

The problem when we re-invent this for every new dynamically registered thing, we introduce potential problems, like #12746.

Related issues:

Related to Foreman - Bug #12746: Compute resources can disappear in a develop...	**Closed**	**12/08/2015**
Related to Foreman - Bug #14300: after removing dashboard widgets none are li...	**Duplicate**	**03/21/2016**
Related to Foreman - Bug #14742: Template kind friendly names from plugins ca...	**Closed**	**04/21/2016**
Related to Foreman - Bug #14969: Custom status is not reloaded correctly	**Closed**	**05/09/2016**

History

#1 - 12/08/2015 04:21 PM - Stephen Benjamin

- Related to Bug #12746: Compute resources can disappear in a development instance added

#2 - 12/09/2015 03:03 AM - Dominic Cleal

The plugin classes should be stable in the development environment, so using an approach like we just did in #12624 (merging them on use) may be best:
https://github.com/theforeman/foreman/commit/51685ba80898aa6835a2396c14c02d8af52aec13#diff-2d53894341fd1cf84a823e3bd0855495R552

#3 - 03/22/2016 04:06 AM - Dominic Cleal

- Related to Bug #14300: after removing dashboard widgets none are listed to add back added

#4 - 04/21/2016 04:32 AM - Dominic Cleal

- Related to Bug #14742: Template kind friendly names from plugins can be reloaded and lost in development added

#5 - 05/09/2016 10:06 AM - Dominic Cleal

- Related to Bug #14969: Custom status is not reloaded correctly added

#6 - 04/25/2017 11:09 AM - Dominic Cleal

- Status changed from New to Resolved

Tentatively setting as resolved, as the app/registries/ directory added in #19317 should provide a standard location which is immune to autoloading in the development environment. It also provides a small amount of documentation about how best to implement registry-type objects.

However, per comment 2, the plugin classes are in stable in a development environment (they use this directory) and so *new* registries/stores/dynamically registered objects should not be added to app/registries/ unless absolutely necessary. They should return a built in list of entries, then append the list from plugins at runtime.