Foreman - Feature #15522

Support for array/multi-valued facts

06/27/2016 05:27 AM - Dominic Cleal

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

Description

It should be possible to store an array of multiple fact values for a single fact name, so array facts that are imported from config management tools can be stored with separate, queryable values, e.g. in the fact values list:

```
host.example.com    array_fact    value1
host.example.com    array_fact    value2
host.example.com    array_fact    value3
```

while currently the array is stringified:

```
host.example.com    array_fact    ["value1", "value2", "value3"]
```

@host.facts['array_fact'] should also return an array for templates. Smart variable matchers may also need support for matching against multiple values. Other bits of the UI and API that work with individual fact values will also need checking over (e.g. trending of fact values).

This will probably require a small schema change to permit multiple FactValues per host_id/fact_name_id.

Note this is different to #3339, which permitted nested facts (hashes) and #4528 which changes the Puppet fact importer to import nested facts.

Related issues:

Related to Foreman - Feature #3339: Support for nested facts and specialised ...	**Closed**	**10/17/2013**
Related to Foreman - Feature #4528: Support Facter 2 structured facts	**Closed**	**03/03/2014**

History

#1 - 06/27/2016 05:27 AM - Dominic Cleal

- Related to Feature #3339: Support for nested facts and specialised plugins added

#2 - 06/27/2016 05:27 AM - Dominic Cleal

- Related to Feature #4528: Support Facter 2 structured facts added