

## Foreman - Feature #832

### parameterized class support

04/12/2011 02:42 PM - Ashley Penney

<b>Status:</b> Closed	
<b>Priority:</b> Normal	
<b>Assignee:</b> Ohad Levy	
<b>Category:</b> Puppet integration	
<b>Target version:</b> 1.1	
<b>Difficulty:</b>	<b>Fixed in Releases:</b>
<b>Triaged:</b>	<b>Found in Releases:</b>
<b>Bugzilla link:</b>	<b>Red Hat JIRA:</b>
<b>Pull request:</b>	
<b>Description</b> <a href="http://projects.puppetlabs.com/issues/5045">http://projects.puppetlabs.com/issues/5045</a> is the ticket for this.  Basically I think the UI should be updated so that when you select a class it either gives you the parameters directly below or creates new boxes (like the existing parameters one) below that list:  Class name: Parameter name [ box to type in ] Parameter name 2 [ box to type in ]	
<b>Related issues:</b>	
Related to Foreman - Feature #1165: Host details should display inherited hos...	<b>Closed</b> <b>09/13/2011</b>
Related to Foreman - Feature #1028: Ability to edit custom fields in the host...	<b>Closed</b> <b>07/06/2011</b>
Related to Foreman - Feature #1995: Enable parameterized class support by def...	<b>Closed</b> <b>12/04/2012</b>

### Associated revisions

#### Revision f8d94608 - 09/24/2012 10:41 AM - Amos Benari

fixes #832 - adds parameterized class support

Credits:

This patch is based on the original work of Olivier Favre  
<[olivier@yakaz.com](mailto:olivier@yakaz.com)> many many thanks!

This patch adds the following features

- import class parameters, and try to understand their types
- support a complex matrix of environments, puppet classes and their signature - each class can have a different set of parameters per environment.
- adds an ignore yml file 'config/ignored\_environments.yml.sample' file were users can add regexp or class names that the importer should ignore. common usage case for this is classes such as ::config, ::install etc.
- introduce a new type of smart variable - parameterized.
- adds complex data types to smart vars, arrays, hashes, json, yml etc are all supported now.

in order to use the new ENC format for puppet 2.6.5+ you should enable the **Parametrized\_Classes\_in\_ENC** and **Enable\_Smart\_Variables\_in\_ENC** within Foreman Settings

This is the initial patch just to get param classes support in, follow-up patches would include a better UI and the relevant UI updates to host edit page etc.

Signed-off-by: Ohad Levy <[ohadlevy@gmail.com](mailto:ohadlevy@gmail.com)>

#### Revision 75bd351e - 09/26/2012 12:15 AM - Ohad Levy

refs #832 - making sure that ENC values cast - skipped this patch somehow

#### Revision 77a8080a - 10/03/2012 11:44 AM - Ohad Levy

refs #832 do not force smartvars order saved if they are the default or not sent over the wire.

## History

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### #1 - 05/24/2011 11:55 AM - Romain Vrignaud

+1 It would be very usefull !

### #2 - 09/15/2011 04:41 PM - Ignace Mouzannar

I agree, this would be greatly useful.

I there a way to take advantage of puppet's parameterized classes via Foreman's ENC (even if it isn't supported in GUI yet)?

### #3 - 11/09/2011 11:54 AM - Romain Vrignaud

For me, the use case should be :

- After importing puppet classes, I should be able to edit class and in a "Parameterized Class" Tab I should be able to add as many paramaters as I want and optional default value for each parameter.
- When I edit an hostgroup and I add a parameterized class to this hostgroup : it should show under the list class (or in parameter tab ?) the list of declared paramater for that class and I should be able to edit the keys. If I don't set any value then it should be mandatory to be done during host edition.
- In the same idea, If I add a parameterized class to an host, I should be able to configure the parameterized class in the same way.
- If one of my host is declared as a member of an hostgroup which include a parameterized class, I should see the value affected in hostgroup. (see Feature [#1165](#))

### #4 - 01/29/2012 11:23 AM - James Kerby

There was an IRC meetup to discuss this issue in December. Does anyone have any feedback on that discussion and whether this will be implemented anytime soon?

### #5 - 04/16/2012 10:42 PM - Glen Ogilvie

Any progress on this? I see that ticket 5045, has been merged, so puppet itself supports parameterized classes from an external node classifier. Maybe this could go into foreman release 0.5?

### #6 - 04/17/2012 03:54 AM - James Kerby

Yes, we've been kicking our heels waiting for puppet to support this. It would be great in Foreman could get this into 0.5

### #7 - 06/29/2012 09:07 AM - Olivier Favre

- Assignee set to Olivier Favre

### #8 - 07/03/2012 04:55 AM - Ohad Levy

you can track progress here <https://github.com/yakaz/foreman/commits/fix832/>

### #9 - 07/22/2012 03:14 PM - Ohad Levy

- Target version set to 1.1

### #10 - 09/19/2012 04:20 PM - Ohad Levy

- Category set to Puppet integration

- Assignee changed from Olivier Favre to Ohad Levy

a more recent hopefully soon to be merged here:

[https://github.com/ohadlevy/foreman/tree/class\\_params](https://github.com/ohadlevy/foreman/tree/class_params)

### #11 - 09/24/2012 10:49 AM - Amos Benari

- Status changed from New to Closed

- % Done changed from 0 to 100

Applied in changeset [f8d946082e58b60213a27ded3e1e5f5373d976de](https://github.com/yakaz/foreman/commit/f8d946082e58b60213a27ded3e1e5f5373d976de).