Foreman - Feature #35

Allow hostgroup nesting for puppet classes and parameters

10/06/2009 09:48 AM - Matt Moran

Status:	Closed		
Priority:	Normal		
Assignee:	Ohad Levy		
Category:	Web Interface		
Target version:	0.4		
Difficulty:		**Fixed in Releases:**	
Triaged:	No	**Found in Releases:**	
Bugzilla link:		**Red Hat JIRA:**	
Pull request:	https://github.com/theforeman/hammer-cli-foreman-puppet/pull/36		

Description
It'll be nice to be able to create a highlevel group that can be assigned to a node that contains multiple groups. Or be able to assign multiple groups to a node. Clash of parameter values should be handled by the latest group being the authoritative.

Related issues:		
Related to Foreman - Bug #1009: hostgroup should show its parent classes too	**Closed**	**06/24/2011**
Is duplicate of Foreman - Bug #148: Hosts should allow more than one host-group	**Closed**	**01/05/2010**
Has duplicate Foreman - Feature #543: Ability to nest hostgroups and assign m...	**Duplicate**	**12/16/2010**

Associated revisions

Revision 4d4b84f6 - 06/20/2011 07:07 AM - Ohad Levy

fixes #35 - Allow hostgroup nesting for puppet classes and parameters

History

#1 - 10/06/2009 05:48 PM - Ohad Levy

isn't this something best done in a manifest?

I've been trying to think if adding multiple roles to a server is a good idea, i mean, according to "my" best practice, I tend to think that a server has a main primary role (which is a collection of classes), anything else should go to so called sub functions where you can just add classes to the host.

#2 - 10/07/2009 04:55 AM - Ohad Levy

- Assignee deleted (Ohad Levy)

#3 - 10/07/2009 09:17 AM - Matt Moran

I've sort of covered this under #35. But I see the foreman as usable for many environments and not just for production - so a server could be many roles in a test/dev environment.

#4 - 10/07/2009 10:52 PM - Carl Caum

I don't think you would want to have multiple groups to a node. It would be to easy to have scoping issues. I would however see use in having a group inherit from another group.

#5 - 12/14/2009 12:28 PM - Ohad Levy

- Status changed from New to Need more information

Any feedback about this request? is it really required?

#6 - 12/15/2009 01:33 PM - Ohad Levy

- Status changed from Need more information to New

- Assignee set to Ohad Levy

- Target version set to 0.1-4

a host should be able to belong to many groups

#7 - 12/15/2009 01:35 PM - Matt Moran

(13:31:41) Matt: I have a group my-webserver, and my-db - they both have separate variables but also share some. A node is only usually my-webserver or my-db, but sometimes I want a node to be both. To do that currently i'll have to create a new group and type in all the variables, and add the classes. Or just assign one group and do it at the node level
(13:32:08) Matt: I think the variable clashes should just be handled by priority of what group was added last.
(13:32:19) Ohad Levy: ok, so a host should be able to have many groups

#8 - 01/06/2010 01:50 AM - Ohad Levy

- Status changed from New to Closed

#9 - 01/06/2010 01:50 AM - Ohad Levy

- Status changed from Closed to Assigned

#10 - 02/16/2010 12:15 PM - Marcello de Sousa

This would be a really nice feature. Don't know how you are going to implement this but, if I may suggest something, it would be nice to treat groups (inside the foreman interface) in a similar way as you treat a puppetclass. Just listed together in the class list (with a remark that it's a group).
Puppetclasses/groups list example:
----
module1::class-foo
module2::class-bar
Group-MyGroup1
Group-MyGroup2 etc...

This way you can drag & drop classes and/or groups to both "hosts" and to "groups" within the same interface. In this way you might as well just remove the "hostgroup" field in the "HOSTS" edit interface (as your group(s) would just be listed in the greenbox).
I believe that would give us great flexibility.

#11 - 03/08/2010 05:21 AM - Ohad Levy

- Target version changed from 0.1-4 to 0.1-5

#12 - 05/24/2010 09:53 AM - Ohad Levy

- Status changed from Assigned to Feedback

- Target version deleted (0.1-5)

I'm still in mixed feelings about this one :-(

#13 - 05/24/2010 10:03 AM - Matt Moran

I'd like to see the feature. But I don't think the clash of variables should be handled with one group taking authority. I think if a node is assigned multiple groups that contain the same variable names but with different values, then that should throw an error.

So this would throw an error due to yumrepo variable
mywebserver: yumrepo = "xxx", masterip = "aaa", webserverconf = "bbb"
mydb: yumrepo = "aaa", masterip = "aaa", dbconf = "aaa"

This would be ok
mywebserver: yumrepo = "xxx", masterip = "aaa", webserverconf = "bbb"
mydb: yumrepo = "xxx", masterip = "aaa", dbconf = "aaa"

#14 - 05/31/2010 09:38 AM - Marcello de Sousa

Ohad Levy wrote:

> I'm still in mixed feelings about this one :-(

Hi Ohad,
Could you explain us a little bit more your thoughts on this ?

It's a pity to see this feature out of the next release :-((((

#15 - 05/31/2010 05:10 PM - Ohad Levy

Marcello de Sousa wrote:

Ohad Levy wrote:

> I'm still in mixed feelings about this one :-(

Hi Ohad,
Could you explain us a little bit more your thoughts on this ?

It's a pity to see this feature out of the next release :-((((

maybe we can find the time to talk on #theforeman irc channel

my concern breaks into two main parts:
1. technical - e.g. how to handle parameters etc
2. logical, does it really make sense to have hostgroup inherit other groups? (in terms of best practice etc).

#16 - 03/27/2011 07:06 PM - Atha Kouroussis

Hi Ohad,
I would like to be implemented too. We are currently trying yo migrate from Puppet Dashboard to Foreman and this functionality is much desired.
Although not a show-stopper, it is forcing us to restructure all parameter placement hierarchies we had before.

#17 - 03/29/2011 03:25 AM - Ohad Levy

I'll see what I can do after releasing 0.2 :)

#18 - 06/15/2011 01:37 AM - Matthew Saddington

Hi Ohad,

Would like this to be implemented. Im trying to do something similar to Atha and it would be great if we had this functionality

#19 - 06/19/2011 01:00 PM - Ohad Levy

- Status changed from Feedback to Assigned

- Target version set to 0.4

OK, my suggestion is the following.

A hostgroup can inherit from another group.
this would include its parameters and classes.

so a web server can inherit from common.
and my rails app can inherit from the web server host group.

if there are no objections, I'll implement this asap.

#20 - 06/20/2011 04:08 AM - Matt Moran

Sounds perfect to me!

#21 - 06/20/2011 07:06 AM - Ohad Levy

- Subject changed from Multiple groups with in a group to Allow hostgroup nesting for puppet classes and parameters

#22 - 06/20/2011 07:08 AM - Ohad Levy

- Status changed from Assigned to Closed

- % Done changed from 0 to 100

Applied in changeset 4d4b84f6b722874504f508fa92802f6ddee37c11.

#23 - 08/26/2021 05:27 PM - The Foreman Bot

- Pull request https://github.com/theforeman/hammer-cli-foreman-puppet/pull/36 added