

Foreman - Bug #16654

Error while building host using `PXEGrub2 global default` provisioning template

09/22/2016 10:07 AM - roman plevka

Status:	Closed	Fixed in Releases: Found in Releases: Nightly Red Hat JIRA:
Priority:	Normal	
Assignee:		
Category:	Templates	
Target version:		
Difficulty:		
Triaged:		
Bugzilla link:		
Pull request:		
Description		
There seems to be a problem with using `PXEGrub2 global default` provisioning template:		
Rendering the template fails with:		
"Unable to render PXEGrub2 template 'PXEGrub2 global default': undefined method `each' for nil:NilClass"		
foreman/production.log:		
https://paste.fedoraproject.org/432624/53048147/		
1. assign `PXEGrub2 global default` template as a PXEGrub2 template to some host		
2. try to provision (build) host using this OS		
3. the build will be rolled back due to error during rendering the template		

History

#1 - 09/23/2016 05:43 AM - Dominic Cleal

- Category set to Templates
- Status changed from New to Feedback

It looks like you've associated this template to an operating system/host, but it's not meant to be used that way. The global default templates are written by pressing the build PXE default buttons and are written to /default or similar - a default template isn't applicable to hosts, hence the error.

Use an OS-specific GRUB2 template instead for OSES and hosts, e.g. Kickstart default PXEGrub2.

#2 - 01/18/2017 06:20 AM - Mathieu Parent

But there is no "Preseed default PXEGrub2". How to build one?

Related to [#17297](#).

#3 - 01/18/2017 06:25 AM - Dominic Cleal

Use "New Template" under *Hosts > Provisioning Templates* and set the type to "PXEGrub2 template". Don't use the name "default" if it's not shipped by default - use any name you like.

#4 - 01/18/2017 07:11 AM - Mathieu Parent

I've proposed <https://github.com/theforeman/community-templates/pull/346>, however it doesn't work as GRUB2 in Debian jessie (and apparently stretch too) only try to download "grub2/grub.cfg" (and not the filename with MAC address).

Fedora has several patches to handle this at <http://pkgs.fedoraproject.org/cgit/rpms/grub2.git/tree/>:

- 0019-Add-fw_path-variable-revised.patch
- 0025-Search-for-specific-config-file-for-netboot.patch <--- This is the main one!
- 0049-use-fw_path-prefix-when-fallback-searching-for-grub-.patch
- 0050-Try-mac-guid-etc-before-grub.cfg-on-tftp-config-file.patch
- 0061-Try-prefix-if-fw_path-doesn-t-work.patch

Workaround is

```
sudo ln -s grub.cfg-01-... /srv/tftp/grub2/grub.cfg
```

but you can only provision one host at a time.

And even with the workaround, I get:

```
boot/Debian-8.6-x86_64-linux has invalid signature  
you need to load the kernel first
```

#5 - 01/19/2017 03:11 AM - Lukas Zapletal

- Status changed from Feedback to Closed

Hello, thanks for info. I will carry on in the PR which is more relevant place. I think this can be closed now. Feel free to reopen if you think we have a bug in Foreman core.