Foreman - Support #20029

CentOS 7 - UEFI PXE Grub2 not working correctly from a fresh install

06/15/2017 05:16 PM - Zachariah Dzielinski

Status:	New		
Priority:	Normal		
Assignee:			
Category:	TFTP		
Target version:			
Triaged:		**Found in Releases:**	1.15.0
Fixed in Releases:			

Description

Operating System
CentOS Linux 7.3.1611

Infrastructure
UEFI HPE Proliant Gen 9 (Non Secure Boot)

Description
Configuring the DHCP server to point PXE clients at `grub2/grubx64.efi` as stated in various documentation pages does not work correctly out of a fresh foreman installation with tftp enabled.

From what I can tell, it seems that the default grubx64.efi is not correctly loading the grub.cfg files and/or the grub.cfg-macaddr files.

I have been able to successfully "fix" the issue by moving the contents of grub2 into /var/lib/tftboot and links grub2 to /var/lib/tftboot. The grub2 link will sometimes be washed away however when installing new foreman plugins, so this needs to be done often.

I believe that this is an issue with the foreman-installer itself.

Steps to reproduce

History

#1 - 06/16/2017 05:14 AM - Lukas Zapletal

- Tracker changed from Bug to Support

Hello,

I believe your TFTP server is Ubuntu/Debian or other non-Red Hat system. In that case, you need to either patch your Grub2 or install foreman-bootloaders package which provides RH patched Grub2 which loads MAC addresses.

https://github.com/theforeman/foreman-bootloaders

Please report back if this helped.