

RE: PXE boot disks

Source: <http://linux.derkeiler.com/Mailing-Lists/Fedora/2005-06/2676.html>

From: MW Mike Weiner (5028) (MWeiner_at_ag.com)

Date: 06/16/05

Date: Thu, 16 Jun 2005 14:13:50 -0400

To: <marcel@mesa.nl>, "For users of Fedora Core releases" <fedora-list@redhat.com>

On Thu, Jun 16, 2005 at 01:37:12PM -0400, MW Mike Weiner (5028) wrote:

> *Michael* -
>
> *Thanks for your response, I made the change and tested it remotely*
> *using a tftp client and do see the pxelinux.0 there and can*
> *successfully grab it. Also tested the dhcpd to ensure it truly is*
> *working. That all works, so now to figure out why the client isnt*
> *being told or isnt listening to dhcpd when being instructed about the*
> *PXECLIENT stuff, as in the*
> *following:*
>
> *group {*
> *# option dhcp-class-identifier "PXEClient";*
> *next-server 10.10.232.54;*
> *filename "pxelinux.0";*
> *}*
>
> *But never seems to get that information nor tftp the bootloader.*

For testing, just remove the 'group {' and matching '}'.

I just have the next-server and filename lines as the first two in de dhcp conf file.

--

Marcel -

Excellent suggestion, thank you, that worked WELL. Strange though the group defs would stop if from working correctly, but in my case I can do without those definitions as any and all pxeboot clients WILL need to go through the same process.

OK, thanks to Marcel, I have it successfully pulling the pxelinux.0 where its failing now, is at the following:

```
Jun 16 13:54:40 yum1 dhcpd: DHCPDISCOVER from 00:03:47:11:3c:6b via eth0
Jun 16 13:54:41 yum1 dhcpd: DHCPOFFER on 10.10.232.80 to
00:03:47:11:3c:6b via eth0
Jun 16 13:54:41 yum1 dhcpd: DHCPREQUEST for 10.10.232.80 (10.10.232.54)
from 00:03:47:11:3c:6b via eth0
Jun 16 13:54:41 yum1 dhcpd: DHCPACK on 10.10.232.80 to 00:03:47:11:3c:6b
via eth0
Jun 16 17:54:41 yum1 in.tftpd[9505]: tftp: client does not accept
options
Jun 16 13:54:41 yum1 dhcpd: DHCPINFORM from 10.10.232.231 via eth0: not
```

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```
authoritative for subnet 10.10.232.0
Jun 16 13:54:41 yum1 dhcpd: If this DHCP server is authoritative for
that subnet,
Jun 16 13:54:41 yum1 dhcpd: please write an `authoritative;' directive
either in the
Jun 16 13:54:41 yum1 dhcpd: subnet declaration or in some scope that
encloses the
Jun 16 13:54:41 yum1 dhcpd: subnet declaration - for example, write it
at the top
Jun 16 13:54:41 yum1 dhcpd: of the dhcpd.conf file.
Jun 16 13:54:44 yum1 dhcpd: DHCPINFORM from 10.10.232.231 via eth0: not
authoritative for subnet 10.10.232.0
Jun 16 13:55:47 yum1 dhcpd: DHCPDISCOVER from 00:03:47:11:3c:6b via eth0
Jun 16 13:55:47 yum1 dhcpd: DHCPREQUEST for 10.10.232.55 (10.10.1.13)
from 00:03:47:11:3c:6b via eth0: unknown lease 10.10.232.55.
Jun 16 13:55:48 yum1 dhcpd: DHCPOFFER on 10.10.232.80 to
00:03:47:11:3c:6b via eth0
I can see the server actually loading the bootloader and I can see this
in the messages log now:
Jun 16 14:11:48 yum1 rpc.mountd: authenticated mount request from
10.10.232.80:750 for /repo/fedora/linux/core/2/i386/os (/repo)
So it appears to find my kickstart config file. The /repo above is of
course the install base (Fedora/images/etc under the OS tree). Here is
my current ks-cf2.cfg file for completeness:
install
nfs --server 10.10.232.54 --dir /repo/fedora/linux/core/2/i386/os/
lang en_US.UTF-8
langsupport --default=en_US.UTF-8 en_US.UTF-8
keyboard us
xconfig --card "ATI Mach64" --videoram 8128 --hsync 30-107 --vsync
48-160 --resolution 800x600 --depth 16 --startxonboot --defaultdesktop
gnome
network --device eth0 --bootproto static --hostname yum1
network --device eth1 --bootproto static --hostname yum1
rootpw --iscrypted $1$uPGYqbg9$0e3tBtoulzu8CqEg6rFUL1
firewall --disabled
selinux --enforcing
authconfig --enablesshadow --enablemd5
timezone America/New_York
bootloader --location=mbr --append="rhgb quiet"
# The following is the partition information you requested
# Note that any partitions you deleted are not expressed
# here so unless you clear all partitions first, this is
# not guaranteed to work
clearpart --all --drives=sda
part /boot --fstype "ext3" --size=100 --ondisk=sda
part pv.5 --noformat --onpart sdd1
part pv.4 --noformat --onpart sdc1
part pv.11 --size=0 --grow --ondisk=sda
part pv.3 --noformat --onpart sdb1
volgroup VolGroup00 pv.11
logvol swap --fstype swap --name=LogVol01 --vgname=VolGroup00
--size=1000 --grow --maxsize=2000
logvol / --fstype ext3 --name=LogVol00 --vgname=VolGroup00 --size=1024
--grow
%packages
@ office
@ engineering-and-scientific
@ mysql
@ editors
@ system-tools
@ text-internet
```

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```
@ legacy-network-server
@ dns-server
@ dialup
@ authoring-and-publishing
@ ftp-server
@ network-server
@ legacy-software-development
@ smb-server
@ graphics
@ web-server
@ mail-server
@ server-cfg
@ sound-and-video
@ sql-server
@ admin-tools
@ news-server
@ development-tools
@ graphical-internet
e2fsprogs
grub
lvm2
kernel-smp
%post
# The Last Thing happening in Kickstart:
# get a file via TFTP which indicates we are done.
echo "get Kickstart_end" | /usr/bin/tftp 10.10.232.54
Thanks for all your help, again, and responses - very helpful.
Michael Weiner
--
fedora-list mailing list
fedora-list@redhat.com
To unsubscribe: http://www.redhat.com/mailman/listinfo/fedora-list
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