IGNITE CLIENT RESTORATION

PA-RISC Systems

Ignite-UX server requirements:-

To boot the client from LAN we have to configure the following files.

- Ø Add a network entry in instl_boottab file -----> this will register the IP address for Mentioned client to boot the system
- 1. Edit the /etc/opt/ignite/instl_boottab file.

vi /etc/opt/ignite/instl_boottab

2. Add an entry of new IP address and MAC address of the client which needs to be installed.

client_IP_address:client_MAC_address::reserve

Example:

10.0.0.12:0018FE2F01B3::reserve

- 3. Save the /etc/opt/ignite/instl_boottab file. wq!
 - Ø Enable the instl_bootd daemon
- 1. Edit the /etc/inetd.conf file.

vi /etc/inetd.conf

2. Remove the (#) from the bootpd line.

bootps dgram udp wait root /opt/ignite/lbin/instl_bootd \ instl_bootd

3. Save the /etc/inetd.conf file and exit vi.

:wq

4. Make the inetd daemon reread the /etc/inetd.conf file.

#/usr/sbin/inetd -c

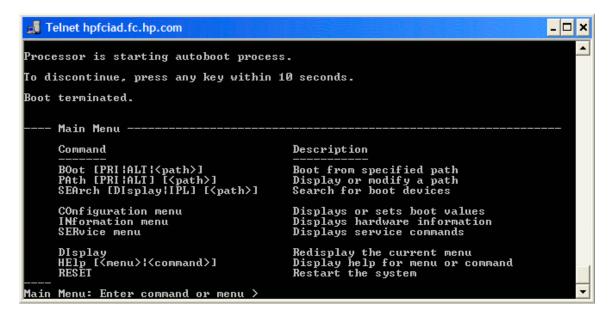
1. Check the entry on /etc/rc.config.d/nfsconf file.

2. Ensure the following entry in /etc/exports file.

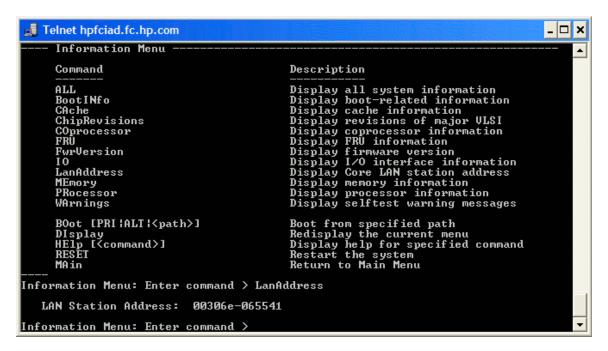
/var/opt/ignite/clients -anon=2

Ø Boot the system from LAN

1. To get the MAC address for a PA-RISC system, interrupt the boot process at the To discontinue, press any key within 10 seconds prompt.



2. Enter the Information menu by typing in. Then enter LanAddress.



3. Back to main menu and boot the client using your Ignite-UX server's IP address by entering this command at the client console:

firmware prompt> boot lan.n.n.n.n install (where: n.n.n.n is the IP address of the Ignite-UX server and proceed for complete installation)

- Ø After the successful boot you will get Ignite Welcome screen to customize the Filesystems, root password, etc...
- Ø Then proceed with GO

For Itanium-Based Systems

Ignite-UX server requirements

To boot the client from LAN we have to configure the following files and enable the daemon.

Ø Enable the bootpd daemon if DHCP Services are running

a. Edit the /etc/inetd.conf file:

vi /etc/inetd.conf

b. Remove the (#) from the bootpd line:

bootps dgram udp wait root /usr/lbin/bootpd bootpd

c. Save the /etc/inetd.conf file and exit vi:

:wq

d. Make the inetd daemon reread the /etc/inetd.conf file:

inetd -c

Ø Edit the entry in bootptab file

1. Edit the /etc/bootptab file

vi /etc/bootptab

2. Add an entry for your client. The following is an example bootptab entry.

```
ignite-defaults:\
ht=ethernet:\
hn:\
dn=domain_name.com:\
gw=10.1.1.1:\
sm=255.0.0.0:\
vm=rfc1048:\
bf=/opt/ignite/boot/nbp.efi:

iuxclient1:\
tc=ignite-defaults:\
ha=0018FE2F01B3:\
ip=10.0.0.12:
-------> MAC address of new client
```

3. Save the /etc/bootptab file and exit vi:

:wq!

Note: If DHCP services are not running in Ignite-UX server we can replace the bootpd with instl_bootd daemon

Ø Enable the instl_bootd daemon if DHCP Services are not running

1. After you have set up your Ignite-UX server, ensure that bootpd is disabled by commenting out the following line in the

#Vi /etc/inetd.conf file:

bootps dgram udp wait root /usr/lbin/bootpd bootpd

2. Enable the instl_bootd daemon by adding the following line to /etc/inetd.conf.

```
bootps dgram udp wait root /opt/ignite/lbin/instl_bootd \
instl_bootd
```

3. Restart the Internet daemon, inetd, to implement the port changes made in step 2:

#/usr/sbin/inetd -c

- Ø Add a network entry in instl_boottab file ----- > This will register the IP address for Mentioned client
- 1. Edit the /etc/opt/ignite/instl_boottab file

vi /etc/opt/ignite/instl_boottab

3. Add an entry of new ip address and MAC address of the client which needs to be installed

client_IP_address:client_MAC_address::reserve

Example:

10.0.0.12:0018FE2F01B3::reserve

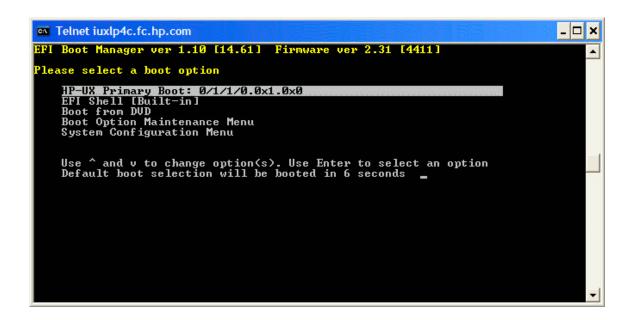
- 3. Save the /etc/opt/ignite/instl_boottab file wq!
 - Ø Ensure that the Ignite-Server is configured as NFS server
 - 1. Check the entry on /etc/rc.config.d/nfsconf file.

NFS_SERVER=1

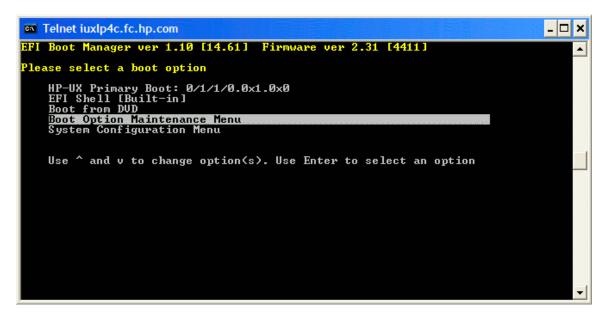
2. Ensure the following entry in /etc/exports file.

/var/opt/ignite/clients -anon=2

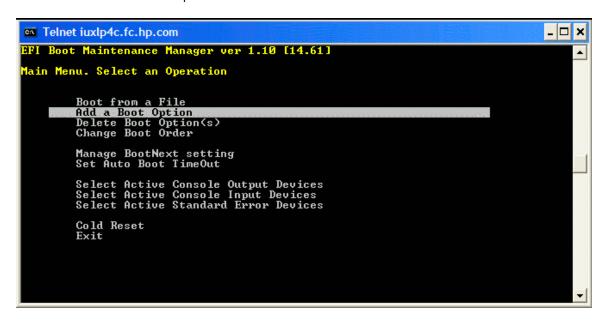
- Ø Boot the system from LAN
- 1. Reboot the client system with the reboot command or cycle the power on the client system. Interrupt the reboot process by pressing the down arrow when prompted.



2. Select Boot Option Maintenance Menu.



3. Select Add a Boot Option



4. Select the network interface with the MAC address you entered in the /etc/bootptab file.

```
Telnet iuxlp4c.fc.hp.com

EFI Boot Maintenance Manager ver 1.10 [14.61]

Add a Boot Option. Select a Volume

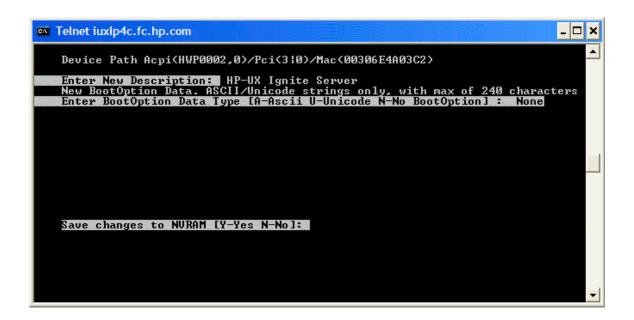
IA64_EFI [Acpi(HWP0002,100)/Pci(1:0)/Scsi(Pun0,Lun0)/HD(Part1,Si IA64_EFI [Acpi(HWP0002,100)/Pci(1:0)/Scsi(Pun0,Lun0)/HD(Part3,Si IA64_EFI [Acpi(HWP0002,100)/Pci(1:0)/Scsi(Pun1,Lun0)/HD(Part1,Si IA64_EFI [Acpi(HWP0002,100)/Pci(1:0)/Scsi(Pun1,Lun0)/HD(Part3,Si Removable Media Boot [Acpi(HWP0002,0)/Pci(2:0)/Ata(Primary,Maste Load File [EFI Shell [Built-in]]

Hoad File [Acpi(HWP0002,0)/Pci(3:0)/Mac(00306E4A03C2)]

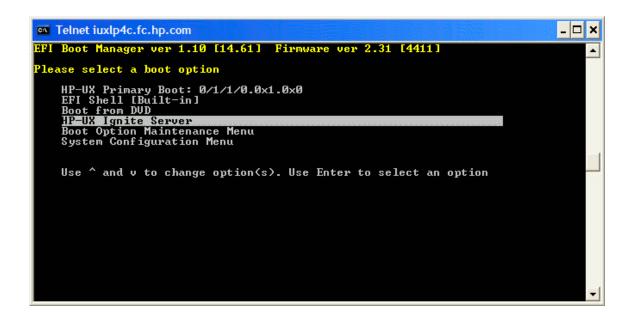
Load File [Acpi(HWP0002,100)/Pci(2:0)/Mac(00306E4A0259)]

Exit
```

5. Enter a description of this boot option, n for the No BootOption data type, and y to the Save changes to NVRAM prompt.



6. Select your new boot option from the Please selects a boot option menu



7. Enter the version of HP-UX you would like to install and proceed for complete installation

```
Downloading HPUX bootloader
Starting HPUX bootloader
Obtaining size of fpswa.efi (328192 bytes)
Downloading file fpswa.efi (328192 bytes)

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HP-UX Boot Loader for IPF -- Revision 2.036

Booting from Lan
Obtaining size of AUTO (224 bytes)
Downloading file AUTO (224 bytes)
Obtaining size of AUTO (224 bytes)
Downloading file AUTO (224 bytes)

Obtaining size of AUTO (224 bytes)

Obtaining size of AUTO (224 bytes)

1. target 08 is B.11.23 IA
2. target 08 is B.11.31 IA
3. Exit Boot Loader

Choose an operating system to install that your hardware supports:
```

- Ø After the successful boot you will get Ignite Welcome screen to customize the File systems, root password, etc...
- Ø Then proceed with GO

RESTORING THE IGNITE ON A DIFFERENT CLIENT

- Ø In the server copy the source client's configuration files in the name of destination client
- 1. The client information will be available in location /var/opt/ignite/clients/0x {MAC address of the client} for all the clients configured in the server.

Example:

#/var/opt/ignite/clients/0x0018FE2F01B3

2. Copy the source client's configuration files in the name of destination client's MAC address and create a symbolic link in the name of the destination hostname.

```
#cd /var/opt/ignite/clients/
#cp -pr 0x{Source MAC} 0x{Destination MAC}
# In -s <hostname> 0x{Destination MAC}
```

1. After you have set up your Ignite-UX server, ensure that bootpd is disabled by commenting out the following line in the

#Vi /etc/inetd.conf file:

#bootps dgram udp wait root /usr/lbin/bootpd bootpd

2. Enable the instl_bootd daemon by adding the following line to /etc/inetd.conf:

bootps dgram udp wait root /opt/ignite/lbin/instl_bootd \ instl_bootd

3. Restart the Internet daemon, inetd, to implement the port changes made in step 2:

#/usr/sbin/inetd -c

- Ø Add a network entry in instl_boottab file ----- > This will register the IP address for Mentioned client
- 1. Edit the /etc/opt/ignite/instl_boottab file

vi /etc/opt/ignite/instl_boottab

4. Add an entry of new ip address and MAC address of the client which needs to be installed

client_IP_address::reserve

Example:

10.0.0.12:0018FE2F01B3::reserve

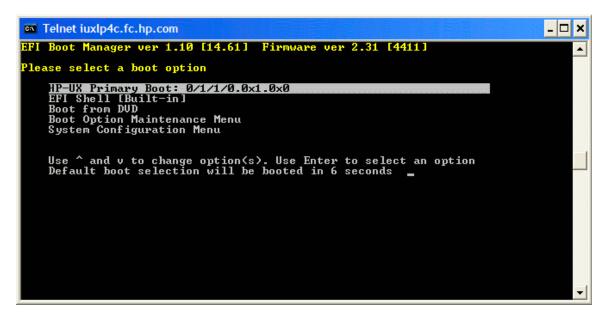
- 3. Save the /etc/opt/ignite/instl_boottab file wq!
 - Ø Ensure that the Ignite-Server is configured as NFS server
 - 1. Check the entry on /etc/rc.config.d/nfsconf file.

NFS_SERVER=1

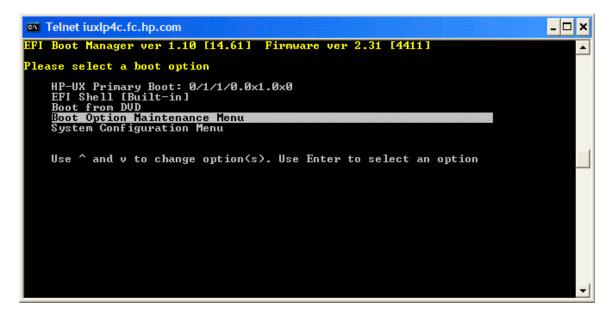
2. Ensure the following entry in /etc/exports file.

/var/opt/ignite/clients -anon=2

1. Reboot the client system with the reboot command or cycle the power on the client system. Interrupt the reboot process by pressing the down arrow when prompted.



2. Select Boot Option Maintenance Menu.



3. Select Add a Boot Option

```
Telnet iuxlp4c.fc.hp.com

EFI Boot Maintenance Manager ver 1.10 [14.61]

Main Menu. Select an Operation

Boot from a File
Add a Boot Option
Delete Boot Option(s)
Change Boot Order

Manage BootNext setting
Set Auto Boot TimeOut

Select Active Console Output Devices
Select Active Standard Error Devices
Cold Reset
Exit
```

4. Select the network interface with the MAC address you entered in the /etc/bootptab file.

```
Telnet iuxlp4c.fc.hp.com

EFI Boot Maintenance Manager ver 1.10 [14.61]

Add a Boot Option. Select a Volume

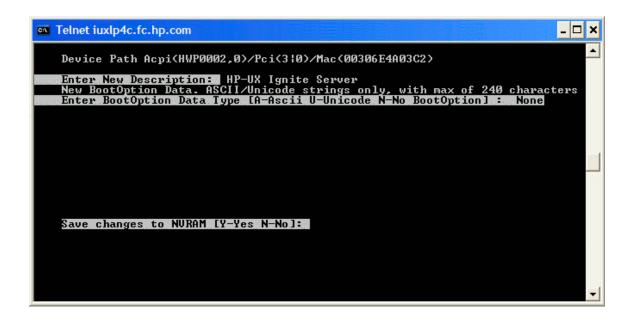
IA64_EFI [Acpi(HWP0002,100)/Pci(1:0)/Scsi(Pun0,Lun0)/HD(Part1,Si IA64_EFI [Acpi(HWP0002,100)/Pci(1:0)/Scsi(Pun0,Lun0)/HD(Part3,Si IA64_EFI [Acpi(HWP0002,100)/Pci(1:0)/Scsi(Pun1,Lun0)/HD(Part1,Si IA64_EFI [Acpi(HWP0002,100)/Pci(1:0)/Scsi(Pun1,Lun0)/HD(Part3,Si Removable Media Boot [Acpi(HWP0002,0)/Pci(2:0)/Ata(Primary,Maste Load File IEFI Shell [Built-in1]

Hoad File IAcpi(HWP0002,0)/Pci(3:0)/Mac(00306E4A03C2)]

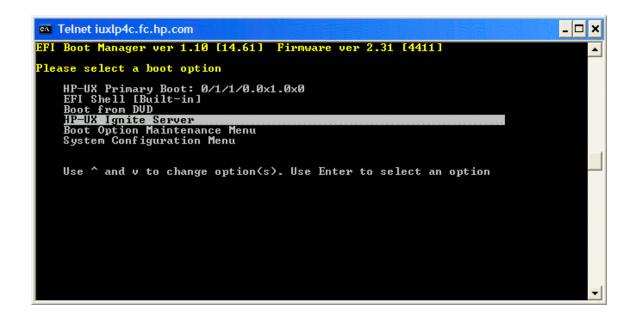
Load File [Acpi(HWP0002,100)/Pci(2:0)/Mac(00306E4A0259)]

Exit
```

6. Enter a description of this boot option, n for the No BootOption data type, and y to the Save changes to NVRAM prompt.



6. Select your new boot option from the Please selects a boot option menu



7. Enter the version of HP-UX you would like to install and proceed for complete installation

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Downloading HPUX bootloader
Starting HPUX bootloader
Obtaining size of fpswa.efi (328192 bytes)
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Booting from Lan
Obtaining size of AUTO (224 bytes)
Downloading file AUTO (224 bytes)
Obtaining size of AUTO (224 bytes)
Downloading file AUTO (224 bytes)

Obtaining size of AUTO (224 bytes)

Obtaining size of AUTO (224 bytes)

1. target OS is B.11.31 IA
2. target OS is B.11.31 IA
3. Exit Boot Loader

Choose an operating system to install that your hardware supports:
```

- Ø After the successful boot you will get Ignite Welcome screen to customize the File systems, root password, etc...
- Ø Then proceed with GO