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Configuring a Windows 95 PC as a Dump Server

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Step 1: Install a BOOTP and TFTP server program on the PC

Step 2: Configure the BOOTP and TFTP servers

- Using Windows Explorer, rename the file "tftpserver32.exe" in the installation directory to "tftp.exe" (this allows both the bootp and tftp server to launch concurrently when you
launch "bootpd.exe").
- Create a subdirectory called "tftpboot" under the bootp/tftp program installation directory
(this will be the directory that will contain Xyplex image, parameter, and hopefully dump file(s), etc.).
- Edit the bootptab.txt file template to contain an entry for the client devices. The entry may
appear as follows (assuming that the base address of the Xyplex device is 080087066934 and the ethernet interface that the bootp/tftp data uses is IF1):
X166934:ht=ethernet:ha=080087166934:ip=221.157.1.102:hd=tftpboot:bf=xpr r2rgn.sys
Note that the number "1" in the 4 th octet "16" represents the interface number on the Xyplex unit which is communicating with the bootp/tftp server (IF 1 or Link E1).
The entry "ip" is the associated ip address defined for that Xyplex interface (IF 1).
The entry "bf" is equal to the name of the load image file used by the Xyplex device.
- Save the bootptab.txt file.
- Launch the program "bootpd.exe" which is contained in the \bootsrvr directory (or
whatever the correct directory name is). This can be done from Windows Explorer.
- Click on the TFTP Server tab from the Windows task bar. The tab will be displaying the IP address of the PC. This will maximize the task window.
- You may click on "Cancel" any time the registration window is displayed.
- Within the TFTP Server interface, select System / Setup, and enter \bootsrvr\tftpboot in
both the Inbound and Outbound file path fields (assuming "\bootsrvr" is the correct
installation directory for the server programs), apply the changes.
- Submit your dump file to the Xyplex FTP server ftp.xyplex.com.
Note: You must have a copy of the Xyplex load image file used by the Xyplex device (and
referenced by "bf=" statement in bootptab.txt) on the server in order for the

dump file to
successfully get created. An example of this filename might be:
"\bootsrvr\tftpboot\xprr2rgn.sys" based on our configuration example.
A dump file will automatically get created on the server when the dump takes
place and will take several minutes to complete depending on the amount of
memory installed in the Xyplex device. The filename is based on the last three
octets of the hardware Ethernet address with a .dmp extension (i.e.
x066934.dmp based on our example above). The file will get written into the
directory \bootsrvr\tftpboot (again, based on our current configuration example).
The bootp server program must be stopped and restarted whenever changes are
made to the bootptab.txt.

Configuring This Application As A Load Server

This BOOTP/TFTP server software does not, by default, send a BOOTP reply with
a specific load filename. It will work correctly with Xyplex parameter files and
dump files because our ROMs will request a specific file name in that case. There
is a way to configure this BOOTP/TFTP application to send a specific filename:

Step 1: Install the BOOTP and TFTP server programs on the PC

Follow the "Dump Server" instructions as described above. Your parent directory
name may differ (ex: c:\bootpsrvr, etc.). It should contain all of the necessary
BOOTP and TFTP server files.
The bootptab.txt file has the following entry (NOTE the "hd" entry has no
slashes):
x0e3c31:ht=ethernet:ha=0800870e3c31:ip=140.179.147.206:gw=140.179.128.
127:
sm=255.255.128.0:hd=tftpboot:bf=x0e3c31.img:
You can create a subdirectory called "tftpboot" into which you can store the
Xyplex load images. When bootp.exe is loaded, it also loads the tftp server.

Step 2: Configure BOOTP and TFTP server programs Inbound and Outbound Tabs

From the menu select System/setup and enter the correct path (ex:
c:\bootpsrvr\tftpboot) for both the Inbound and Outbound tabs. But in the
Outbound tab, you should check off the checkbox "send only this file" and in the
box underneath it, enter "x0e3c31.img" (This must match the "bf" entry in the
bootptab.txt file).
At this point, we will load up with no problems. So, although this application does
not offer a load filename by default, it does make use of the "bf" entry in the
bootptab.txt file.

Documentation