Xstation 120/130 Setup Procedures

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ABOUT THIS DOCUMENT

This document describes setting up an Xstation 120/130. Provided below are 4 sample configuration scenarios which can used as a guide by System Administrators in setting up an Xstation.

NOTE: The examples use the Xstation 120 as a default, just substitute 130 where applicable, and is applicable to AIX versions 3.2, 4.1, and 4.2.

XSTATION SETUP PROCEDURE

Before starting the set up procedure, check your inventory:

- Mouse
- Keyboard
- System unit (power cord)
- Display (cable and power cord)

Then perform the following:

1. Turn off the power switch.
2. Connect the keyboard and mouse.
3. Connect the network cables.
4. Turn off the display power switch and connect the display cables.
5. Connect the power cable to the system Unit.
6. Plug in the power cables into electrical outlets.
7. Turn On the power switch to the display and then the Xstation.
8. At the LAN statistics screen, determine the Xstation's Hardware Address and give this to your System Administrator.

9. Verify the following on the boot host:

Appropriate network is up.

- x_st_mgrd is running.
- inetd is running(tftpd, bootpd configured in /etc/inetd.conf).
- If /etc/tftpaccess.ctl is present (secure tftp) /etc/x_st_mgr,/usr/lib/X11 and /usr/lpp/x_st_mgr are set to "allow".
- Any manual editing to /etc/bootptab file is correct
- Default fonts in installed:

  /usr/lib/X11/fonts

  /usr/lib/X11/fonts/misc

  /usr/lib/X11/fonts/75dpi

  /usr/lib/X11/fonts/100dpi

Now the Xstation can be configured on the network.

AIX BOOT HOST, NO GATEWAY

1. Add Xstation's IPaddress and name to /etc/hosts. Such as:

```
129.35.147.173    xstation1
129.35.147.93     boothost1
```

2. To Define the Xstation use the command:

```
smitty x_config
************************************************************
Define an Xstation Network Type
************************************************************
Type or select values in entry fields.
Press Enter AFTER making all desired changes
[Entry Fields]“
* Xstation Network TYPE Name     [x_st_mgr.network1]
* NETWORK Type                  [ethernet]
---> or tokenring if not using ethernet
* SERVER PORT Number             [9000]
---> x_st_mgrd port number is in /etc/services.
9000 is smit default.
* HOME Directory                 [/etc/x_st_mgr]
* BOOTFILE                       [bootfile3]
---> the xstation 130 uses bootfile4
* DOMAIN Name Server             []
* GATEWAY                        []
Subnet MASK                     []
************************************************************
Add an Xstation
************************************************************
Add an Xstation 120
************************************************************
Type or select value in entry fields.
Press Enter AFTER making all desired changes.
[Entry Fields]“
* Xstation NAME                  [xstation1]
* Xstation Network TYPE          [x_st_mgr.network1]
* Hardware ADDRESS               [XXXXXXXXXXXX]
---> get from the xstation's LAN statistics screen
************************************************************
```

3. Configure the Xstation.

   a. Power on the Xstation 120, when you get to the LAN statistics screen, hit the F12 key.

   b. Depending on which network type you are using, ethernet or token ring, page down to the appropriate page.

   c. Ensure that "Primary Network" is set to either token ring or ethernet.

   d. On the appropriate page, enter the following:

```
Gateway Internet Address... <leave blank>
Terminal Internet Address.. 129.35.147.173
Host Internet Address...... 129.35.147.93
Disable Bootp.............. NO
TFTP File Name............ /usr/lpp/x_st_mgr/bin/bootfile3
Tag Field................. T170=2328:
```

4. Hit the F12 key to save changes and reboot the xstation.

AIX BOOT HOST, GATEWAY PASSES BOOTP REQUESTS

1. Add Xstation's IPaddress and name to /etc/hosts. Such as:

```
129.35.147.173    xstation1
129.35.147.93     boothost1
129.35.147.100    gateway1
```

2. To configure with SMIT type:

```
smit x_config
*************************************************************
Define an Xstation Network Type
*************************************************************
Type or select values in entry fields.
Press Enter AFTER making all desired changes
[Entry Fields]“
* Xstation Network TYPE Name      [x_st_mgr.network1]
* NETWORK Type                    [ethernet]
---> or tokenring if not using ethernet
* SERVER PORT Number              [9000]
---> x_st_mgrd port number is in /etc/services.
9000 is smit default.
* HOME Directory                 [/etc/x_st_mgr]
* BOOTFILE                       [bootfile3]
---> the xstation 130 uses bootfile4
* DOMAIN Name Server             []
* GATEWAY                         [129.35.147.100]
Subnet MASK                     [255.255.240.0]
---> get gateway and subnet mask from
your System Administrator
*************************************************************
Add an Xstation
*************************************************************
Add an Xstation 120
*************************************************************
Type or select value in entry fields.
Press Enter AFTER making all desired changes.
[Entry Fields]“
* Xstation NAME                   [xstation1]
* Xstation Network TYPE           [x_st_mgr.network1]
* Hardware ADDRESS                [XXXXXXXXXXXX]
---> get from the xstation's LAN statistics screen
*************************************************************
```

3. Configure the Xstation.

   a. Power on the Xstation 120, when you get to the LAN statistics screen, hit the F12 key.

   b. Depending on which network type you are using, ethernet or token ring, page down to the appropriate page.

   c. Ensure that "Primary Network" is set to either token ring or ethernet.

d. On the appropriate page, enter the following:

```
Gateway Internet Address... 129.35.147.100
Terminal Internet Address.. 129.35.147.173
Host Internet Address...... 129.35.147.93
Disable Bootp.............. NO
TFTP File Name............ /usr/lpp/x_st_mgr/bin/bootfile3
Tag Field................. T170=2328:
```

4. Hit the F12 key to save changes and reboot the xstation.

AIX BOOT HOST, GATEWAY DOES NOT PASS BOOTP REQUESTS

1. Add Xstation's IPaddress and name to /etc/hosts. Such as:

```
129.35.147.173    xstation1
129.35.147.93     boothost1
129.35.147.100    gateway1
```

2. To configure using SMIT type:

```
smit x_config
************************************************************
Define an Xstation Network Type
************************************************************
Type or select values in entry fields.
Press Enter AFTER making all desired changes
[Entry Fields]
* Xstation Network TYPE Name      [x_st_mgr.network1&rbk.
* NETWORK Type                   [ethernet&rbk.
---> or tokenring if not using ethernet
* SERVER PORT Number             [9000]
---> x_st_mgrd port number is in /etc/services.
9000 is smit default.
* HOME Directory                 [/etc/x_st_mgr]
* BOOTFILE                       [bootfile3]
---> the xstation 130 uses bootfile4
* DOMAIN Name Server             []
* GATEWAY                        [129.35.147.100]
Subnet MASK                    [255.255.240.0]
---> get gateway and subnet mask from
your System Administrator
************************************************************
Add an Xstation
************************************************************
Add an Xstation 120
************************************************************
Type or select value in entry fields.
Press Enter AFTER making all desired changes.
[Entry Fields]
* Xstation NAME                  [xstation1]
* Xstation Network TYPE          [x_st_mgr.network1]
* Hardware ADDRESS               [XXXXXXXXXXXX]
---> get from the xstation's LAN statistics screen
************************************************************
```

3. Configure the Xstation.

   a. Power on the Xstation 120, when you get to the LAN statistics screen, hit the F12 key.

   b. Depending on which network type you are using, ethernet or token ring, page down to the appropriate page.

   c. Ensure that "Primary Network" is set to either token ring or ethernet.

   d. On the appropriate page, enter the following:

```
Gateway Internet Address... 129.35.147.100
Terminal Internet Address.. 129.35.147.173
Host Internet Address...... 129.35.147.93
Disable Bootp.............. YES
TFTP File Name............ /usr/lpp/x_st_mgr/bin/bootfile3
Tag Field................. T170=2328:sm=255.255.240.0:
```

   e. Hit the F12 key to save changes and reboot the xstation.

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