



Tech Info Library

AppleTalk For MAE 2.0: Troubleshooting (5/95)

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TOPIC -----

This article provides help for common problems with AppleTalk for Macintosh Application Environment (MAE).

DISCUSSION -----

No AppleTalk Zone list in the Chooser

If the Chooser does not display a list of zones when MAE is used on a network with multiple zones, then the AppleTalk kernel stack is not communicating properly with the router. Please check your router configuration and network interface.

No Personal File Sharing

Many networks with only UNIX workstations will be routing IP. If you cannot see another MAE application or Macintosh doing Personal File Sharing on the network, try using the "appleping" utility to make sure AppleTalk is getting through.

Using network diagnostic tools

Standard AppleTalk diagnostic tools can be used to investigate the behavior of AppleTalk for MAE. However, most Macintosh-based tools that diagnose low-level hardware drivers cannot be run on MAE itself.

Reinstalling AppleTalk for MAE

If an AppleTalk streams module is corrupted or deleted, it is safest to shut down all MAE processes that may be executing and then reinstall the AppleTalk Kernel Module package with the MAE Installer.

Restoring network extensions

Do not replace the network extensions that ship with MAE. These extensions are specially tailored for the MAE environment. If these extensions are removed, corrupted, or altered, you can restore them by removing the current System Folder and restarting MAE. This will cause the entire System Folder to be recreated.

Other extensions, such as Chooser extensions, may be added without conflict.

An AppleTalk router comes up

If you are administering an MAE server and you change the network topology while the AppleTalk kernel stack is active, one of the following messages may appear:

An AppleTalk Router just came up.
This Node's address is in startup range.
Shutdown or Restart MAE to use full AppleTalk functionality.

or:

An AppleTalk Router just came up.
This Node's address is invalid for this cable.
Shutdown or Restart MAE to use full AppleTalk functionality.

Quit all active MAE sessions, ensuring that the kernel stack is inactive (run `appletalk -D` and `appletalk -s`), and then restarting the sessions.

Booting HP-UX from the saved kernel

When you install MAE onto a Hewlett Packard (HP) workstation, MAE alters the kernel and saves the old HP-UX kernel in a file called `hp-ux.save`. If you need to reboot from the old kernel (for example, if the altered HP-UX kernel has become corrupted), you may do so either by copying `/hp-ux.save` to `/hp-ux`, and then rebooting, or rebooting from the `/hp-ux.save` kernel.

To reboot from the `/hp-ux.save` kernel, follow these instructions:

Step 1

Shut down the workstation.

Step 2

Restart the workstation. When the power goes on, the console displays a message similar to the following:

"Search for potential boot devices."

To terminate search, press and hold the ESCAPE key.

Step 3

Press and hold the (Esc) key until you see the following message:

"Selection process stopped."
"Searching for potential boot devices."

After a moment, the console displays a list of SCSI device options from which to boot.

Step 4

Choose the appropriate boot device. For example, if SCSI device 6 is the appropriate option, enter the following:

```
"b scsi.6.0 ipl"
```

This will cause an ISL prompt (ISL>) to be displayed.

Step 5

At the ISL prompt, enter the following:

```
"hpux boot disc(;0)/hp-ux.save"
```

This will result in booting the alternate kernel in /hp-ux.save.

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18 May 1995 - Added section on Personal File Sharing.

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