MAE 2.0.2: README.PATCH.MAE2.0.2 (1/96)

Article Created: 22 January 1996

TOPIC ---

This is the README.PATCH.MAE2.0.2 for /pub/mae/patches/mae_patch_2.0.2 12/21/95
file.

DISCUSSION --

License Statement
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THIS PATCH IS COVERED BY THE "SOFTWARE LICENSE FOR MACINTOSH APPLICATION
ENVIRONMENT PATCH" (see the file /pub/mae/patches/mae_patch_license.txt on the
FTP server ftp.support.apple.com). PLEASE READ THE LICENSE CAREFULLY BEFORE
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Incremental Update For Apple's MAE 2.0 Product
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The files in this directory allow you to update your purchased copy of MAE 2.0
(or patched version 2.0.1) to version 2.0.2 for free. By applying the latest
patch, you will update your copy of MAE 2.0 with the bug fixes from all prior
patches. As the patches are cumulative, there is no need to install any previous
patch prior to installing the most current one.

IMPORTANT: MAE must NOT be running while you apply this patch. You will need to
have approximately 25MB of available disk space to install the patch. After the
patch installation is complete, however, your patched copy of MAE 2.0.2 will
require about the same amount of disk space as MAE 2.0 (or 2.0.1). The 25MB
requirement permits the patch installer to back up your copy of MAE, for safety,
during the patch installation process.

MAE 2.0.2 (Patch Release "2")

(Found in /pub/mae/patches/mae_patch_2.0.2)

Get the file "README.PATCH.MAE2.0.2" for Patch "2" information and installation
instructions. This patch (MAE 2.0.2) is the second released patch to MAE 2.0. It

introduces the changes listed below. (The number in parenthesis indicates at
which patch level the bug was fixed):

Changes in MAE 2.0.2
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(2) (HP only) HP-UX Version 10.01 -
    HP-UX Version 10.01 can now be used with MAE. IMPORTANT: Be sure to
    read the file `README.PATCH.MAE2.0.2' on the FTP server prior to
    installing this patch to support HP-UX Version 10.01.

(2) (Sun only) FDDI Support -
    FDDI interfaces are now supported.

(2) (Sun only) Ethernet Interfaces other than `le'
    MAE now supports Ethernet interfaces on Solaris such as qe.
    Previously, only le devices were supported.

(2) Multiple Ethernet Interfaces -
    AppleTalk can now be used on any available (and supported) network
    interface. The Network Control Panel has been updated to add this
    functionality.

(2) Persistent TIVs -
    Persistent TIVs are no longer truncated during shutdown.

(2) Locking Mechanism for System Folder Updates -
    The updater utility for System Folders (part of the patch mechanism)
    no longer bypasses the file integrity lock if MAE is running. This
    only occurred under isolated circumstances.

(2) (HP only) Automounter Directory
    The automounter directory for HP-UX (default /tmp_mnt) is now
    properly statused.

(2) (Sun only) Solaris 2.4 and Automounted Directories
    MAE no longer truncates its internal filesystem list when executed
    in an environment with multiple remotely-mounted volumes. This
    symptom did not manifest itself under Solaris 2.3.

(2) (Sun only) Sun 5 Keyboard -
    The 0 (zero) key on Sun's Type 5 keyboard now functions properly.

(2) Command line options -
    MAE will no longer exhibit random errors at startup based on the
    number of arguments supplied in the command line.

(1) Updated man Page -
    The online manual pages now reflect changes and features of MAE 2.0
    that were omitted from the man pages supplied with the MAE 2.0
    distribution.

(1) Network Control Panel -
    Opening the Network Control Panel will no longer result in an error

message.

(1) (Sun only) Attention Packets -
    Urgent ADSP messages are now delivered promptly to the MAE process.
    Previously, there was a delay in delivering these messages.

(1) (Sun only) ADSP Close -
    Custom applications that send ADSP close packet now work correctly.

(1) Utilization of Selected AppleTalk Zone -
    A previously-selected AppleTalk zone is now being used as the default
    zone. In addition, a list of eligible devices is presented when
    selecting a network resource (e.g., printer). This problem only
    occurred under isolated circumstances.

(1) File Transfers Under TCP -
    Fetch or other applications now pull large (>100K) files
    utilizing TCP correctly. (Smaller files were not affected.)

(1) Saving Documents When Using MacinTax -
    MacinTax is now able to save documents.

(1) (HP only) Users' Guide Updated -
    The online Users' Guide for MAE now reflects features and changes
    present in v2.0 which were omitted from the MAE 2.0 distribution.

(1) Debugging Options -
    Additional command line options have been added to assist in debugging
    MAE 2.0 problems.

(1) (Sun only) Support for CacheFS -
    New functionality was added to support CacheFS, a new filesystem
    introduced with Solaris 2.4.

(1) Support For AFS (Andrew File System) -
    Additional features have been added to support local cells for AFS.

(1) Other fixes
    Various minor bugs in MAE 2.0 are corrected in MAE 2.0.1

How To Download and Install MAE 2.0.2
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On the FTP server ftp.support.apple.com (130.43.6.3), get the appropriate tar
file (sun, hp, or hp10) from the directory

   /pub/mae/patches/mae_patch_2.0.2

IMPORTANT: Make sure you use FTP "binary transfer" mode to get the files.

   /pub/mae/patches/mae_patch_2.0.2/README.PATCH.MAE2.0.2 - This file.

/pub/mae/patches/mae_patch_2.0.2/maepatch2.0.2.hp.tar - The most recent
           incremental update for MAE 2.0 running HP-UX 9.x on HP Series 700
           workstations.

       /pub/mae/patches/mae_patch_2.0.2/maepatch2.0.2.hp10.tar - The most recent
           incremental update for MAE 2.0 running HP-UX 10.01 on HP Series 700
           workstations.

       /pub/mae/patches/mae_patch_2.0.2/maepatch2.0.2.sun.tar - The most recent
           incremental update for MAE 2.0 running on Sun SPARC workstations.

Download the appropriate file for your workstation. Note: the tar files are
compressed internally and did not require further compression using `compress'
or a similar utility.

Extracting the Patch Files From the Downloaded File
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Place the tar file anywhere. Extract it by running the following command:

    On HP-UX 9.x Workstations:
      % tar xovf maepatch2.0.2.hp.tar

    On HP-UX 10.01 Workstations:
      % tar xovf maepatch2.0.2.hp10.tar

    On Sun Workstations:
      % tar xovf maepatch2.0.2.sun.tar

The extracted files will be placed in a new directory named "maepatch2.0.2.sun",
"maepatch2.0.2.hp", or "maepatch2.0.2.hp10" depending on your system type. Once
the extraction is complete, you can delete the downloaded file
maepatch2.0.2.*.tar.

Preparing For Patch Installation
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Before you run the patch installer, make backup copies of two directories: your
system folder (normally in your home directory, in the directory "System
Folder"), and the directory ".mac" within your home directory. In the event that
patch installation results in an inoperable copy of MAE, you will be able to
reconstruct your original MAE environment, from these saved copies, by removing
the damaged apple directory, reinstalling MAE 2.0, and restoring your saved
copies of the System Folder and .mac.

Important Information For AppleTalk Users
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If you have more than one copy of MAE on any workstation, you must update all
copies of MAE with this patch at the same time. The AppleTalk driver in MAE

2.0.2 is not compatible with older versions of MAE (2.0 or 2.0.1). This applies to multiple copies of MAE on the same workstation only.

If you are executing MAE v2.0 (or v2.0.1) on Solaris v2.3 and are using AppleTalk, you must install Solaris jumbo patch #101306-10 or its equivalent before you install MAE v2.0.2. Please contact your local Sun support channel for more information.

Important Information For HP-UX Version 10.01 Users
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The MAE binaries for HP-UX v9.x and v10.01 are not interchangeable. If you are installing this patch to allow MAE to run on an HP-UX 10.01 system, you should be aware that the updated binaries will no longer function on a 9.x system. If you have multiple workstations sharing the same binary directory (appledir), you may wish to reinstall MAE from the CD-ROM onto a 9.x system. The patch can then be safely applied to both systems, creating updated executables for each environment.

Below are instructions for installing MAE 2.0.2 for use with HP-UX 10.01:

- For a new installation of MAE for HP-UX 10.01, first install MAE v2.0
  as distributed on the CD-ROM but do not install AppleTalk (you can do
  this by performing a custom installation (as detailed in the `MAE User's
  Guide')). After you have installed MAE 2.0 from the CD-ROM, you can
  apply the MAE 2.0.2 patch by executing ./PATCH.SH as distributed with
  the patch. Note that the STREAMS package is not required for HP-UX
  10.01.

- HP-UX 10.01 was not supported in versions 2.0 and 2.0.1. As a result,
  upgrade instructions are not included here.

- If you are upgrading from MAE v1.0, first rename any existing MAE v1.0
  (or MAE v1.0a) System Folders. Next, install MAE v2.0 as distributed
  on the CD-ROM but do not install AppleTalk (you can do this by
  performing a custom installation as detailed in the `MAE User's Guide').
  This will create a new System Folder to which you can manually drag/copy
  any resources (Extensions, Fonts, Preferences, etc.) from your old
  MAE v1.0 System Folder. You can now safely apply the MAE 2.0.2 patch by
  executing ./PATCH.SH as distributed with the patch.

- To remove MAE except for the AppleTalk components, use the Remove
  feature of the installer supplied with the MAE v2.0 CD-ROM and/or the
  2.0.2 patch distribution. Note that the 2.0.1 patch does not have any
  removal capabilities and that the 2.0.2 patch will ONLY remove
  previously-installed 2.0.2 components. Then remove the AppleTalk
  components utilizing the Remove feature of MAE 2.0.2.

The device files for HP-UX 10.01 have also changed. As a result, the `macdisks.HPUX' file will require modifications to function with your existing devices. This is true even if you had previously made these changes for an HP-UX 9.x system. Note that using the `default' convention will not work for HP-UX

10.01; you need to explicitly specify the path to the device. Examples are
provided in the updated file installed by the patch (when installing for HP-UX
10.01).

Important: Run Under The Appropriate Login Account
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The account used to install the patch must have read/write privileges to all
files in your apple directory; you can best accomplish this by running the patch
installer under the same account originally used to install MAE 2.0. This patch
includes new version of AppleTalk kernel modules as well as new version of
various files from your apple directory. In order to install the patched version
of the AppleTalk kernel modules, you must run the patch installer as root
(superuser).

Applying The Patch
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After you are appropriately logged in, cd into the newly created
"maepatch2.0.2.hp", "maepatch2.0.2.hp", or "maepatch2.0.2.hp10" directory. Apply
the patch by running the "PATCH.SH" program as follows:

On HP-UX 9.x Workstations:
   % cd maepatch2.0.2.hp
   % ./PATCH.SH

On HP-UX 10.01 Workstations:
   % cd maepatch2.0.2.hp10
   % ./PATCH.SH

On Sun Workstations:
   % cd maepatch2.0.2.sun
   % ./PATCH.SH

PATCH.SH will lead you through the installation process. You will have a choice
of `Easy' or `Custom' installation as well as `Remove'. Easy installation
patches both your Apple directory and the AppleTalk kernel modules; Custom
installation gives you the opportunity to patch only one or the other. If your
copy of MAE is on a central server, serving many workstations, you will have to
patch JUST the copy of MAE on the server, and JUST the AppleTalk kernel modules,
on the workstations.

Remove will delete the MAE components from your system (but not any System
Folders located in a $HOME directory). See the FAQ for more information on
removal of MAE.

Reinstalling Custom Resources
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The patch will replace several files in your System Folder. If you have

installed any custom sounds or applications that have modified resources within
the file `System' in the System Folder, you will be able to use your backed-up
copy of System to help you reinstall the custom resources, after patch
installation is complete. If you are not sure if any application has done this,
refer to that application's documentation.

Review the FAQ and Tech Notes
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Included with the tar distribution are the most recent versions of the MAE
Frequently-Asked Questions and Technical Notes files. Review these documents
carefully for any important information that may apply to you. In addition,
these files are regularly updated by MAE Engineering and made available on
ftp.support.apple.com as well as via the Web at http://www.mae.apple.com/.

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Keywords: <None>

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19960215 11:05:19.00
Tech Info Library Article Number: 19239