



# Macintosh Application Environment 3.0

## *The virtual Macintosh for UNIX Systems*

### Features

#### It's a virtual Macintosh

- Supplies the Macintosh graphical user interface and Finder in an X Window
- Allows you to cut and paste data between Macintosh applications
- Lets you resize the Macintosh X Window to any size—without restarting MAE
- Provides a Macintosh System 7.5.3 environment, including AppleScript, Drag and Drop, Apple Guide, and OpenDoc

#### It runs Macintosh applications

- Lets you run off-the-shelf Macintosh software applications
- Supports sound and QuickTime
- Includes trial versions of ClarisWorks, FileMaker Pro, ClarisImpact, and ClarisDraw
- Includes SimpleText, HyperCard Player, MoviePlayer, OpenDoc Fetch, Disinfectant, Stuffit Expander, DropStuff, and Adobe Acrobat Reader
- Enhanced emulation increases performance by an average of 20 percent
- Faster remote X Window display decreases network bandwidth IOX

#### Integrates smoothly with UNIX

- Provides an easy-to-use Macintosh interface to navigate local and NFS-mounted UNIX files
- Allows access to UNIX resources and services from within the MAE X window
- Lets you copy and paste text and graphics between the UNIX and Macintosh environments
- Prints UNIX and Macintosh files on printers that support PostScript using the Apple Chooser and the Print command
- Multiple Independent Volumes feature lets you represent UNIX file systems as Macintosh volumes on the desktop
- Offers better support for UNIX symbolic links

#### It makes networking easy

- Makes MAE-to-Macintosh networking easy with built-in support for AppleTalk
- Lets you share documents, electronic mail, and printers with Macintosh users and other MAE users
- MacTCP support allows access to the Internet and TCP/IP-based applications
- Takes advantage of Network File System (NFS), allowing file sharing and file services across the network

#### It's more flexible than ever

- Supports floating licenses with FLEXlm, to make managing multiple licenses easier
- Additional security options for Macintosh file sharing

Macintosh Application Environment 3.0 (MAE)—the virtual Macintosh for UNIX Systems—is an innovative software product that provides a complete Macintosh environment in an X window, allowing you to run Macintosh 680x0 applications right on your workstation.

MAE brings the functionality and ease of use of the Macintosh computer to Sun Microsystems SPARCstations running the Solaris operating system, as well as to Hewlett-Packard Series 700 workstations running HP-UX.

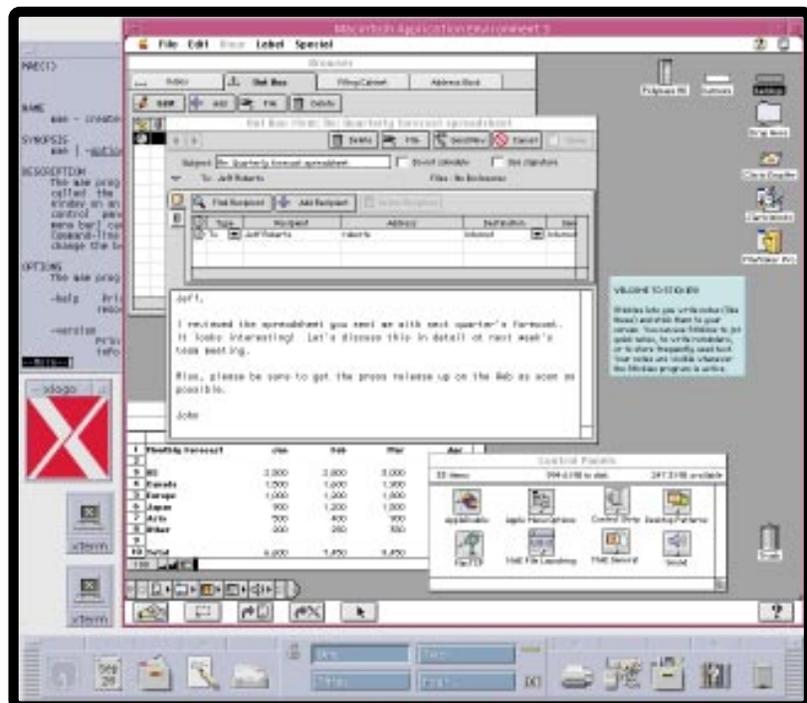
Because MAE supports AppleTalk networking, it's easy to share printers, files, and e-mail with other Macintosh and MAE users on a network, and MacTCP support lets you run Internet-based applications.

Version 3.0 offers dramatic performance gains for all applications and

for remote X window display, floating licenses with FLEXlm technology, and much more.

Since MAE 3.0 is based on Macintosh System 7.5.3, you can easily run the most popular off-the-shelf Macintosh software— including spreadsheet, desktop publishing, word processing, graphics, e-mail, workgroup, calendar, and business applications.

MAE also seamlessly integrates with the UNIX environment, allowing you to copy and paste text and graphics between UNIX and Macintosh applications. MAE lets you open UNIX files (including NFS-mounted volumes), access UNIX applications through the Macintosh interface, and use system services such as UNIX PostScript printers.





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### Ordering Information

To order MAE, or to upgrade from a previous version to version 3.0, call 1-800-293-6617, ext. 1399 (in the U.S.) or 1-800-361-6075, ext. 1221 (in Canada), or contact your Apple reseller.

MAE for Solaris and HP-UX, Version 3.0 (1 user)  
Order No. 449000U

Volume licenses are also available through Claris or authorized Apple resellers. Please contact your local Apple representative or reseller for pricing and other information.

### Free MAE Demo

To obtain a free, fully functional demo version of MAE, you can download the software from the MAE web site at [www.mae.apple.com](http://www.mae.apple.com), or get a demo CD by calling Claris at 1-800-293-6617, ext. 1399 (in the U.S.) or 1-800-361-6075, ext. 1221 (in Canada). You can obtain a demo key for MAE by contacting the MAE web site.

For further product information, please access the MAE web site at [www.mae.apple.com](http://www.mae.apple.com) or the MAE FTP site at [www.mae.apple.com \(/pub/mae directory\)](http://www.mae.apple.com(/pub/mae directory))

Product specifications are subject to change. Check with your Apple reseller for the most current information about product specifications and configurations.

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*For presales information or to order product:*

### Claris Corporation

5201 Patrick Henry Drive  
Box 58168  
Santa Clara, CA 95052-8168  
1-800-544-8554  
<http://www.claris.com>

### Claris Canada, Inc.

3 Church Street, Suite 402  
Toronto, Ontario M5E 1M2  
1-800-361-6075

*For presales or technical information:*

### Apple Computer, Inc.

1 Infinite Loop  
Cupertino, CA 95014  
<http://www.apple.com/>

### Specifications

#### Macintosh graphical user interface

- Provides System 7.5.3 Macintosh graphical user interface
- Graphically depicts files as icons, including non-Macintosh documents and applications
- Lets you point and click to copy, move or open files, or launch applications

#### Macintosh Finder

- Organizes files and applications in an easy-to-use folder hierarchy
- Provides a consistent interface for all Macintosh applications

#### Macintosh toolbox

- Includes QuickDraw to manage all graphics operations required by Macintosh applications
- Allows you to share data that is going to be updated dynamically using publish-and-subscribe capabilities
- Includes the Toolbox Event Manager to translate the X Window System user keyboard and mouse input
- Includes routines that enable QuickDraw to interoperate with the X Window System

#### Macintosh system services

- Allows you to manipulate UNIX files using Macintosh operations (moving, copying, deleting, and so on)
- Supports printing on system printers such as PostScript printers on UNIX networks
- Takes advantage of NFS to allow file sharing and file services across the network
- Simplifies MAE-to-Macintosh networking with built-in AppleTalk support
- Supports MacTCP for access to the Internet

#### TCP/IP-based applications

- Includes the Cursor Manager, which keeps the Macintosh cursor within the MAE window so you can focus on Macintosh tasks

#### Mixed-mode manager

- Enables faster performance by directly accessing the native RISC processor for certain routines, using the inherent power and speed of the host operating system

#### Macintosh 68040LC emulator

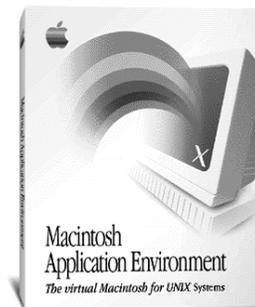
- Provides high-speed emulation of 68040 code
- Delivers optimum compatibility with the Macintosh architecture

#### Industry-standard compliance

- Complies with X Window System version 11, release 5
- Operates under Motif, HP VUE, OPEN LOOK and CDE

#### Hardware and software requirements

- Sun SPARC workstation running Solaris 2.4 or later OR
- HP 9000 Series 700 workstation running HP-UX 9.0.x or HP-UX 10.10 or later
- X Window System version 11, release 5 or later
- Memory: 32MB minimum; 48MB recommended
- Hard disk space: 39MB minimum; 75MB recommended
- MAE includes STREAMS/UX to enable AppleTalk connectivity on HP Series 700 workstations running HP-UX 9.0.x
- Local or network access to a CD-ROM drive for installation



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