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Mac OS X v10.1 FAQ

Overview

Q. What is Mac OS X?

A. Mac OS X is the next-generation Macintosh operating system. It combines the power and stability of UNIX with the legendary simplicity and elegance of the Macintosh.

Q. What are the key features of Mac OS X?

A. Mac OS X unleashes the full potential of your Macintosh with dozens of new features, including the following:

- *Aqua user interface.* This breakthrough interface makes working and playing on the Mac even more intuitive for new users, while providing powerful, customizable tools for professionals. Aqua includes a number of innovative time- and work-saving features—including a new Finder and the Dock—that help you to navigate and organize your system, and give you instant access to your most frequently used applications, folders, and minimized windows.
- *Unprecedented stability and performance.* Mac OS X includes an industrial-strength, UNIX-based foundation called Darwin that delivers unprecedented stability and performance. It provides powerful, advanced features such as protected memory, preemptive multitasking, advanced memory management, symmetric multiprocessing, plug-and-play device support, and modern networking—making your Macintosh more responsive, faster, and more reliable than ever before.
- *Designed for the Internet.* Built using many of the same technologies that power the Internet itself, Mac OS X includes modern networking and support for standard protocols, giving you the power to get connected faster and easier—and do more when you get there, with best-of-class Internet applications such as Mail, Microsoft Internet Explorer 5.1, and iTools.
- *Killer graphics.* Three cutting-edge technologies—Quartz, OpenGL, and QuickTime—bring graphics capabilities to Mac OS X beyond anything ever seen in a desktop operating system. Apple's own Quartz 2D graphics engine with built-in PDF support features on-the-fly rendering, anti-aliasing, and compositing of PDF for pristine, high-fidelity graphics. OpenGL provides industry-standard 3D graphics capabilities for professional 3D-based applications and industry-leading games. And for the next generation in audio and video streaming, Mac OS X includes QuickTime 5, the premier technology for digital media.
- *Easy transition.* Mac OS X is simple to install and easy to learn. The Classic technology lets you run thousands of existing Mac OS 9-compatible applications, while the powerful features of Mac OS X provide a foundation for great new applications that are “Built for Mac OS X.”

Q. What's new in Mac OS X version 10.1?

A. The first major upgrade to Apple's new UNIX-based operating system, Mac OS X version 10.1 delivers significant performance improvements and new features, as well as refinements to the Aqua interface. Users will notice the following key enhancements to the operating system:

- *Performance.* Performance has improved across the entire system—applications launch dramatically faster, Finder navigation is more responsive, windows resize virtually instantaneously, and 3D graphics are up to 20 percent faster.



- *Aqua.* The Aqua user interface has been fine-tuned to provide new features and more customization. Users can now choose where to position the Dock: on the left, the right, or at the bottom of the screen. Frequently used system controls are now available right from the menu bar, making it easier to adjust and view settings for monitor, sound, battery, and AirPort—without taking up valuable space in the Dock. The System Preferences menu is now organized in categories for easier navigation, and it includes some new controls for desktop appearance and universal access settings. In addition to being faster and more responsive, the Finder has new features, such as adjustable column widths in column view, the option to hide extensions on filenames, and support for longer filenames—even ones that are two lines long. These are just a few of the Aqua enhancements designed to provide users with the most elegant and intuitive user interface ever.
- *The premiere engine for the digital hub.* With the ability to burn music CDs with iTunes, burn data CDs right from the Finder, make movies with iMovie, watch DVDs with the new DVD Player, and even author DVDs with iDVD 2 (on a Power Mac with SuperDrive), Mac OS X v10.1 is the ultimate platform for your digital lifestyle.* In addition, it provides even broader support for MP3 players, camcorders, cameras, and rewritable drives, and industry-leading audio capabilities have been added to deliver high-resolution sound and support for next-generation audio standards.
- *The ultimate network client.* Mac OS X v10.1 delivers seamless network integration with Mac, Windows, Linux, and UNIX environments through standard protocols such as AFP over TCP/IP, AFP over AppleTalk, SMB/CIFS, WebDAV, and NFS file services. For Mac OS X users, Apple's own iDisk is now based on the Internet standard WebDAV protocol that allows users—even those behind corporate or school firewalls—to stay connected to information stored on their iDisk, with no timeouts. AppleScript is much improved throughout the system, and full support for Internet scripting using SOAP and XML enables communication between computers over the Internet.
- *And more.* Other features in Mac OS X v10.1 enhance productivity in everyday tasks. Mail, for example, has been updated with new features, including the ability to flag important messages and view your response history at a glance to see if you have replied to or forwarded a message. Printing is now easier than ever with automatic USB printer recognition and support for more than 200 additional PostScript printers. And even Internet browsing has been improved; Mac OS X v10.1 includes the complete version of Microsoft Internet Explorer 5.1, with full support for Java 2 runtime to provide a more dynamic web experience.

Q. I've heard that Mac OS X is based on UNIX. Do I have to understand UNIX to use Mac OS X?

A. No. Knowledge of UNIX is not required. While Mac OS X benefits from many of the modern features of UNIX, these features are transparent to users. Users familiar with UNIX and command line interfaces can access a full BSD command set from the Terminal application in the Utilities folder.

Q. What is Darwin?

A. Darwin is the advanced, UNIX-based operating system that is the foundation of Mac OS X. Based on the Mach 3.0 kernel and an implementation of Berkeley Standard Distribution (BSD) 4.4, Darwin delivers the advanced features you'd expect in a modern operating system, including protected memory, preemptive multitasking, symmetric multiprocessing, and advanced memory management. Apple has made the full source code of Darwin available online, creating a model for the foundation of state-of-the-art technologies and the evolution of operating system design. For more information about Darwin, see www.opensource.apple.com.



Application Compatibility

Q. Do I need Mac OS 9 in order to upgrade to Mac OS X?

A. No. You do not need Mac OS 9 to upgrade. Your favorite applications may already be available for Mac OS X. But if you choose to continue using your Mac OS 9–compatible applications with Mac OS X, you will need to have Mac OS 9.1 or later installed on your system. To make this easy, we include the Mac OS 9.2 CD with Mac OS X v10.1.

Q. How do I make Mac OS 9 applications work in Mac OS X?

A. Mac OS X includes Classic, a technology that lets you use your Mac OS 9–compatible applications in Mac OS X. Mac OS 9.1 (and later versions of Mac OS 9) provide a foundation for the Classic environment in Mac OS X that allows previous versions of Mac software to work just as you know them in Mac OS 9. They look like Mac OS 9 applications, with the “Platinum” user interface, and they do not benefit from Mac OS X features such as the advanced Darwin foundation, Quartz graphics, or the Aqua user interface.

To use a Mac OS 9 application, simply open the application or double-click a document in the Finder. If the Classic environment isn’t already running, it will automatically start up. You can also start the Classic environment manually by launching Classic from System Preferences. Or you can set Classic to autostart each time you log in by selecting that option in the Classic pane of System Preferences.

Q. What do I do if my Mac OS 9–compatible applications do not work in the Classic environment of Mac OS X?

A. Though most Mac OS 9–compatible applications work in the Classic environment just as they do in Mac OS 9, there are a few applications that are not supported. However, Mac OS X is designed to allow you to use both Mac OS X and Mac OS 9 on the same computer, so you can choose to start up the computer using either operating system. This makes it easy to continue to use any Mac OS 9 application that does not yet work in the Classic environment.

Q. What does it mean for an application to be “Built for Mac OS X”?

A. To optimize applications for Mac OS X, developers must update them to take advantage of its advanced technologies. These applications will benefit from the stunning new look of the Aqua user interface, gain access to the incredible graphics capabilities of Quartz, and enjoy the stability and performance afforded by the Darwin core operating system. Classic applications do not get these benefits—so urge developers of your favorite applications to optimize them for Mac OS X.

Q. Are applications available for Mac OS X now?

A. Yes. As of July 2001, there are more than a thousand Mac OS X applications available. Developers are hard at work building hundreds more new applications (often called Carbon and Cocoa applications) that are designed to take advantage of the power of Mac OS X. Visit www.apple.com/macos to find the latest information on applications built for Mac OS X, and contact the developer of your favorite application to find out when it will be available for Mac OS X.



FAQ

Mac OS X v10.1

4

Q. Is other software included with Mac OS X?

A. Yes. Mac OS X includes a number of specially designed applications such as Mail, iMovie 2, iTunes, QuickTime 5, Internet Connect, Sherlock, Software Updates, and more. Mac OS X also comes with great software from third-party developers, including Microsoft Internet Explorer 5.1, Aladdin StuffIt Expander, Adobe Acrobat Reader 5, and print drivers from Canon, Epson, and HP.

Q. Will my fonts work with Mac OS X?

A. Mac OS X supports today's most popular font formats, including TrueType, Type 1, and OpenType fonts. You can use your existing fonts or add new fonts to your home directory (where they'll be available only to you) or to the system Fonts folder (where they'll be available to anyone using the computer). Mac OS X comes with a great selection of classic, modern, and fun fonts valued at more than \$1000.

Q. Can I use my iTools account with Mac OS X?

A. Yes. Access to your iTools account is integrated into Mac OS X, so there is nothing to install. Apple's fun, easy-to-use Internet services, including iDisk, Email, and HomePage, make the web a simpler, more productive and fun place to be. With Mac OS X, your iDisk is available right from the Finder; and since your email is stored on Apple's Internet servers, you can access it from virtually any computer, anywhere, using any standard email program.

Q. Will Mac OS X support my peripheral devices?

A. Mac OS X supports today's most popular peripherals out of the box. While not every device in each category will be supported out of the box, Mac OS X includes generic class driver support for devices in these categories:

- External USB and FireWire storage devices (FireWire, Zip, CD-RW, and floppy drives)
- USB CompactFlash card readers
- Many of the most popular inkjet printers from Canon, HP, and Epson
- Network printers
- USB digital still cameras with standard protocols like Mass Storage, Picture Transfer Protocol (PTP), and Digita (using the Image Capture application)
- FireWire digital video cameras
- USB speakers and microphones
- Input devices including multibutton mice, mice with scroll wheels, keyboards, and joysticks
- USB MIDI devices
- Magneto-optical storage devices

Installation and Setup

Q. Is Mac OS X easy to install?

A. Yes. The easy-to-use Setup Assistant guides you through installation of Mac OS X, makes it easy to get an iTools account, and helps you connect to the Internet. Users have several options for installing Mac OS X. If you choose to continue using your Mac OS 9-compatible applications with Mac OS X, you need to keep Mac OS 9.1 or later on your computer. (In case you don't already have Mac OS 9, a full-installation CD is provided with Mac OS X.) You can then choose to install Mac OS X on an existing Mac OS 9 disk partition (or volume), or you can install Mac OS X on a separate partition. In either case, you will be able to use most Mac OS 9 applications in the Classic environment.



FAQ

Mac OS X v10.1

Q. Can I continue to use Mac OS 9 on my computer once I've installed Mac OS X?

A. Yes. Mac OS X is designed to allow you to use both Mac OS X and Mac OS 9.1 (or later) on the same computer. It is possible to start up with either operating system, whether you have installed Mac OS X on its own disk partition or on the same disk (or disk partition) as Mac OS 9. If you start up your computer with Mac OS 9, and then want to start up with Mac OS X, use the Startup Disk control panel to select your Mac OS X disk and restart. To start up using Mac OS 9, open System Preferences in Mac OS X and click Startup Disk. Then select your Mac OS 9 disk and restart your computer. This makes it easy to use any Mac OS 9 applications or special peripherals that do not yet work in the Classic environment.

Networking and Internet Access

Q. Will Mac OS X connect to an existing Macintosh network?

A. Yes. Mac OS X is designed to integrate easily into existing Macintosh networks, whether you're connecting to a small peer-to-peer network or a large managed network. Mac OS X makes it easy to configure all of your network connections for multiple locations, whether you are connecting via Ethernet, modem, or AirPort. It is easy to browse and connect to file servers right from the Finder using AFP over TCP/IP or AFP over AppleTalk. You can print using TCP/IP or AppleTalk. Mac OS X includes the ability to configure and connect to directory and authentication services such as NetInfo, Kerberos, and LDAP.

Q. Can I connect my Mac OS X system to Windows, UNIX, Linux, or cross-platform networking environments?

A. Yes. Thanks to expanded networking capabilities in Mac OS X v10.1, you can easily connect to a broad range of networking environments, including Mac, Windows, Linux, and UNIX. Mac OS X v10.1 supports TCP/IP, AFP/AppleTalk, SMB/CIFS, WebDAV, and NFS file services running on Mac OS X Server, AppleShare, UNIX, Linux, Windows NT, and Windows 2000 servers.

Q. Is it easy to get connected to the Internet?

A. Mac OS X is designed specifically for the Internet. In fact, it includes many of the same technologies that power the Internet itself. Mac OS X makes it easy to get connected to the Internet whether you use a dialup modem, ISDN, DSL, cable modem, or Ethernet connection. To connect to a standards-based ISP using your modem, use Internet Connect in the Applications folder. To access the Internet through an Ethernet connection (DSL, cable modem, or local area network), configure your network connection using the Network pane in System Preferences. Mac OS X also supports multihoming, the ability to use multiple network interfaces, each connected to a different network, at the same time.

Requirements and Availability

Q. When and where can I get Mac OS X v10.1?

A. Mac OS X v10.1 will be available in September wherever Apple products are sold, including authorized Apple resellers, Apple's online store at www.apple.com/store, and through direct sales to education and business customers.



FAQ

Mac OS X v10.1

Q. What languages does Mac OS X support?

A. Mac OS X is a multilingual operating system and includes support for English, French, German, Japanese, Italian, Spanish, and Dutch on a single CD. A second version of the Mac OS X CD is available in regions that require support for Swedish, Danish, Norwegian, Finnish, Korean, Traditional Chinese, Simplified Chinese, and Brazilian Portuguese; it includes English, German, French, and Japanese.

Q. How much does Mac OS X v10.1 cost?

A. The suggested retail price for Mac OS X is US\$129.

Q. Is there a free upgrade program for version 10.1 if I already have Mac OS X?

A. Yes. If you purchased the Mac OS X retail product or a Macintosh computer that came with Mac OS X v10.0, you can get a Mac OS X v10.1 Instant Up-To-Date upgrade package from Apple retail stores and participating Apple resellers (available through October 31, 2001 or while supplies last). The free upgrade includes a Mac OS X v10.1 Upgrade CD, a Mac OS 9.2.1 Update CD, and a Mac OS X manual.

The regular Mac OS Up-To-Date program is also available. This upgrade package costs US\$19.95 and includes a Mac OS X v10.1 Upgrade CD, a Mac OS 9.2.1 CD (full install), a Developer Tools CD, and a Mac OS X manual. Program details and the order form are available at www.apple.com/macOS.

Q. What are the system requirements for Mac OS X?

A. Mac OS X requires a Power Mac G3, G4, G4 Cube; iMac; PowerBook G3, G4; or iBook computer; and at least 128MB of physical RAM. Mac OS X does not support the original PowerBook G3 or processor upgrade cards.

Q. Where can I get support for Mac OS X?

A. Mac OS X comes with onscreen help, a user guide, free online support, and 90 days of free telephone support. Mac Help is built into Mac OS X to provide comprehensive help and tips right on your desktop. For more information and other support options, visit www.apple.com/support/products or call 800-823-2775. To find out more about Mac OS X technologies, information on applications available for Mac OS X, or the latest news about Mac OS X, visit us on the web at www.apple.com/macOS.

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* iTunes and iDVD are licensed for legal or rightholder-authorized use only. DVD Player requires a Macintosh computer with a DVD-ROM drive and AGP graphics. CD burning requires a supported CD-RW drive. DVD authoring requires a Power Mac G4 with SuperDrive and iDVD 2.

For More Information

For more information about Mac OS X, visit www.apple.com/macOS.

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