

OS X Server

Product Overview June 2012

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OS X Server



OS X Server is available for \$19.99 as an easy download from the Mac App Store.

The new OS X Server brings more power to your business, home office, or school. OS X Server makes it easy for your Mac to share data with your iPhone, iPad, and iPod touch, schedule meetings, synchronize contacts, host your own websites, publish wikis, remotely access your network, and more.

Following are the key features of OS X Server:

File Sharing. Share documents, folders, and exchange files between multiple computers—Mac or PC. And with wireless file sharing for iPad, users can access, copy, and share documents on the server from within applications such as Keynote, Numbers, and Pages.

Wiki Server. Improve group collaboration using wikis. Users can create new wikis, add content, formatting, tag, and cross-reference material, upload files and images, add comments, view revision history, and share documents.

Profile Manager. Simplify deployment and management using configuration profiles for OS X computers and iOS devices.

Time Machine Backups. Use your server as a Time Machine backup destination for all the Mac computers on your network.



Mail Server. Standards-based mail services allow OS X Server to work with email clients on the iPhone, iPad, Mac, and PC. Push notifications ensure iPhone and iPad users are immediately notified when they receive new mail messages.

Contacts Server. Be more productive by enabling contacts to be shared and kept in sync on your iPhone, iPad, and Mac.

Calendar Server. Easily share calendars, schedule meetings, and coordinate events within your organization. OS X Server provides real-time access to your calendar from your iPhone, iPad, Mac, or web browser.

Messages Server. Transfer files securely, share a persistent chat room, conduct an audio conference, or even broadcast a presentation, movie, or photo slideshow to other people using Messages with OS X Mountain Lion.

Web Server. Your complete, easy-to-use web hosting solution. You don't need to be an experienced webmaster to set up websites and host them on OS X Server.

VPN Server. Allow users to securely connect to your organization's network services and confidential information while at home or away from the office.

NetInstall. Save time by automating the deployment of software installation and upgrades across your network.

Software Update Server. Automatically download Mac software updates and cache them locally.

Xsan. Built into OS X, the Xsan file system allows any Mac with appropriate connectivity to access an Xsan volume. OS X Server includes the Xsan Admin application for hosting and configuring Xsan volumes.

Server App



The Server app is a powerful tool for managing OS X Server. In one place, it gives you control over managing users and groups and setting up key services such as file sharing, calendaring, messaging, mail, wikis, secure remote access, and backup settings for network clients.

Simplified Setup

Configuring OS X Server is almost as easy as configuring a desktop computer. Simply launch the Server app. An assistant walks you through the initial setup and helps verify network settings and define your administrator account. Next add users and groups and enable the network services you want to deliver to your organization.

Designed for the future. Server App features full support for IPv6 services and addressing.



Alerts Using Push Notifications

The Server app also makes it easy to maintain your server. In addition to email, OS X Server can send push notifications to alert you about new software updates, unresponsive volumes, hard drives that are getting full, and users that have exceeded their mail quota.

File Sharing



Whether you're supporting a creative team, a distributed sales force, a class of students, or just about any small business or workgroup, you know your users need to share information to work effectively. OS X Server makes it as easy for users to share files between Mac computers, iPad devices, and PCs as if they were using the files locally.



Why use a server?

Productivity is greatly enhanced when users store work in centralized folders rather than on individual computers. With centralized file storage, all users have access to the same up-to-the-minute file. Because a single version resides on the server, there won't be any confusion about multiple versions of the same document. And users won't need to worry about losing important data in the event of a system failure or a lost or stolen laptop. The file is always safe on the server.

Connection Monitoring

See who is accessing your server. File-sharing connection monitoring gives you the status of who is connected, how long they have been connected, and whether they are idle or not. In addition, you can send users notification messages and warn them if the server is going offline.

File Sharing for Mac, PC, and iPad

Share documents, folders, and exchange files between multiple computers—Mac or PC. And with wireless file sharing for iPad, users can access, copy, and share documents on the server from within applications such as Keynote, Numbers, and Pages.



Standards-Based File Services

OS X Server makes it easy for you to set up central network storage that's accessible to clients throughout your organization. Using native protocols, OS X Server delivers file services to all the clients on your network: AFP for Mac, SMB/CIFS for PC, NFS for UNIX and Linux, WebDAV for iPad, and FTP for Internet clients. These flexible, cross-platform file services enable groups to work more efficiently when sharing resources, archiving projects, and backing up important documents.

Flexible File Permissions

OS X Server supports both traditional UNIX file permissions and access control lists (ACLs), offering administrators an unprecedented level of control over file and folder permissions. With file system ACLs, any file object can be assigned multiple users and groups, including groups within groups. Each file object can also be assigned both allow and deny permissions, as well as a granular set of permissions for administrative control, read, write, and delete operations.

Spotlight Searching

Designed for workgroups with shared documents, projects, and files, the built-in Spotlight Server delivers lightning-fast search results for content stored on the server. Powerful search options such as Boolean logic, quoted phrase searching, category labels, and range support make it easy to locate content in a flash. Content indexing occurs on the server—automatically and transparently—keeping search results up-to-the-moment accurate.

To safeguard your organization's data, Spotlight searching works with access controls in OS X Server, so users see only the search results they have permission to view. This makes it easy for everyone in a group to store files in a single shared location while protecting confidential information from unauthorized access.

Wiki Server



OS X Server makes it easy for groups to collaborate and communicate using wikis. With wikis, users can add content, formatting, tag, and cross-reference material, upload files and images, add comments, view revision history, and share documents. And because the wiki content is web based, it is easily accessible from your iPad, iPhone, Mac, or PC.

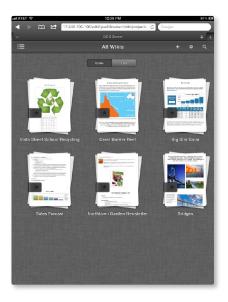
Simplified Content Creation

Editing a wiki is easy. An intuitive edit toolbar makes it easy for users to customize fonts, add text, tables, and charts, and attach files, including audio and video. No syntax, HTML, or markup required. You can even customize your wiki look and feel with your own icon, color scheme, banner, and background image.



Optimized for iPad

Wiki Server has an elegant, new touch-based design, giving iPad users faster, more powerful ways to create, edit, and share information. In Safari on iPad, wikis appear as tidy stacks—just tap to take a peek inside. Or tap to reveal recent activity, view change history, or add comments.



WebDAV Access

iPad users can now open and save attachments from a wiki directly within applications such as Keynote, Numbers, and Pages.



Quick Look

One of the most useful features of Wiki Server is Quick Look. By clicking the Quick Look icon next to a file attachment on a wiki, users can view the document without downloading it. Quick Look supports all standard file formats, including Word, Excel, PowerPoint, Pages, Numbers, Keynote, QuickTime, PDF, and text documents.

Profile Manager



OS X Server is ideal for schools and businesses that need to simplify the deployment, configuration, and management of computers and devices in the organization.

Mobile Device Management

Profile Manager delivers configuration-based profile setup and Mobile Device Management (MDM) for Mac computers running OS X and iOS devices such as iPad, iPhone, and iPod touch. It simplifies creation of user accounts for mail, calendars, contacts, and chat, enforcement of restrictions and PIN and password policies, configuration of system settings, and more.



Web-Based Administration

Featuring a web-based administration console, Profile Manager enables management from web browsers such as Safari. Administrators can define profile settings for individual users, groups, devices, and groups of devices. For group-based management, Profile Manager easily integrates with directory services such as Open Directory, Active Directory, and LDAP.

Self-Service Portal

To simplify profile deployment, Profile Manager includes a web portal where users can download and install new configuration profiles for their Mac, iPad, iPhone, or iPod touch. Users can access this portal in Safari to manage their passcode, set the startup password for their Mac, or remotely lock and wipe devices that have been lost or stolen.



Management Options

Accounts

- Email, calendar, contacts, and messages
- Exchange
- LDAP, CalDAV, and CardDAV
- Subscribed calendars
- VPN, Wi-Fi
- 802.1x settings and digital certificates
- Web clips
- APN, SCEP, and proxy server

iOS Policies and Restrictions

- Passcode age, length, and complexity
- Application launch restrictions
- YouTube
- iTunes StoreSafari
- Camera
- Voice calling
- Encryption
- Content ratings
- iCloud
- Siri
- Photo Stream
- · Game Center

OS X Policies and Restrictions

- · System Preferences
- Media access restrictions
- Gatekeeper
- Directory services
- Dock settings
- · Login window and items
- Mobility
- · Software Update
- Printers
- Energy Saver
- Parental controls

Time Machine Backups



OS X Server can act as a designated Time Machine backup for all the Mac computers on your network. Centralizing your backup storage helps protect valuable data, free up disk space on individual drives, and eliminate the need for separate backup drives.



Server Backup

OS X Server takes advantage of Time Machine to back up your server data—including shared files, calendars, mail, wikis, and so on—to another hard drive, letting you easily restore your server to an earlier configuration.

Mail Server



OS X Server is the ideal solution for companies who need email access in the office or while on the go. With OS X Server, you can bring email in house and use your own domain name rather than rely upon your ISP to host your email.

Standards-Based SMTP, IMAP, and POP Server

Based entirely on open Internet standards, OS X Server provides mail services that work with email clients on the iPhone, iPad, Mac, and PC.

Push Notifications

With integration into Apple's push notification service, OS X Server can immediately notify iPhone and iPad users when they receive new mail messages.

Safe and Secure

OS X Server uses security technologies to encrypt your confidential email communication. In addition, it features adaptive filtering and virus detection systems to protect your network from unwanted junk mail and destructive viruses. OS X Server analyzes the content of each mail message and trains itself to recognize—and filter out—marginal mail. It also scans both email messages and attachments for viruses and quarantines and deletes them before they can make their way into your organization.

Optimized for Mobile Clients

OS X Server improves speed and responsiveness when accessing mail from a mobile device. It features advanced IMAP protocol support that enables server-side document searching of text and attachments, attachment compression, and attachment forwarding without requiring a download.

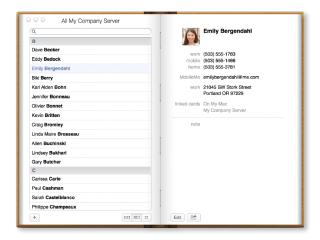
Contacts Server



Accessing an up-to-date list of contacts is critical to the operation of any business. OS X Server keeps your business and employees productive by enabling contacts to be shared and kept in sync on your iPhone, iPad, and Mac.

Sharing Contacts

With OS X Server, you can share and synchronize contacts—such as a list of customers, suppliers, or employees—with other users, devices, and computers in your organization. Contact information updated by one user is immediately available to everyone accessing the shared CardDAV account.



Standards-Based CardDAV Server

Contacts Server uses the CardDAV protocol standard supported in iOS and OS X for exchange of contact data. Users manage their contacts directly within Contacts on their iPhone, iPad, or Mac. The information is then stored on OS X Server, allowing users immediate access to the new and modified contacts within applications such as Mail, Messages, and FaceTime.

Global Address Books

Contacts Server delivers real-time search results from individually managed contacts in addition to contacts stored in your company's existing LDAP directory.

Push Notifications

With integration into Apple's push notification service, OS X Server can immediately notify users when contacts are added or modified.

Calendar Server



OS X Server makes it easy to share calendars, schedule meetings, and coordinate events within your organization. OS X Server provides real-time access to your calendar from your iPhone, iPad, Mac, or web browser. You and your colleagues can propose meetings, book conference rooms, reserve resources, and add comments quickly and easily. You can even attach files—such as agendas, to-do lists, presentations, and movies—to the invitation.



Push notifications

Calendar Server is integrated with Apple's push notification services, so you and your colleagues find out immediately when there's a new meeting invitation or a change to an upcoming event.

Standards-Based CalDAV Server

Calendar Server uses the industry-standard CalDAV protocol for calendar scheduling and sharing. Users access their calendar information directly within the Calendar application on their iPhone, iPad, or web browser.

Email Invites

Need to invite someone who is not in your organization? No problem. Just add their email address to the meeting proposal and OS X Server sends them an email invitation, then shares their response with the rest of the meeting attendees.

Messages Server



Bring the power of collaborative instant messaging to your organization. With Messages Server, users can transfer files securely, share a persistent chat room, conduct an audio conference, or even broadcast a presentation, movie, or photo slideshow to other people using Messages with Mountain Lion.

Group Collaboration Made Easy

Messages Server works with OS X to automatically populate users' buddy lists with members of the groups to which they belong, so it's easy for them to start communicating. And thanks to store-and-forward functionality, Messages Server allows users to send messages to buddies who are online, combining the advantages of instant messaging and email.

Messages users can request Messages Server to create and host a persistent chat room. Perfect for virtual-team scenarios, project-specific discussions, and real-time, blow-by-blow updates, the chat room allows individuals to join at any time, leave when they need to—even log out and shut down—and still come back to review all communications from the time the chat room opened.

Standards based

Messages Server uses the Jabber instant messaging protocol. Also known as XMPP, the Jabber protocol enables support for Mac computers using Messages, as well as for other Jabber clients on iPhone, iPad, and PCs.



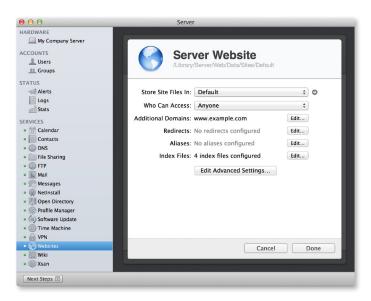
Websites



You don't need to be an experienced webmaster to set up websites and host them on OS X Server. Web Server is preconfigured with default settings, so deployment is as simple as turning it on. Any HTML content saved to the server's default web folder will be served over the Internet automatically.

Virtual Hosting, Including Multiple IP Addresses and Virtual Domains

OS X Server takes the complexity out of configuring, hosting, and managing websites. You can configure individual security options, index files, and access controls, and you can host dynamic web applications on a per-site basis.



Encrypted Data Transport Using SSL

OS X Server features integrated support for strong encryption and authentication using digital SSL certificates.

Dynamic Web Content

OS X Server is extremely flexible, so you can add dynamic content for more interactive websites and applications. Web Server supports dynamic content generated by Server Side Includes, PHP, Apache modules, and CGIs. OS X Server even makes it easy to install third-party web apps such as Mailman, Roundcube, Moodle, WordPress, Druple, and others.

VPN Server



OS X Server allows users to securely connect to your organization's network services and confidential information while at home or away from the office. Virtual private network (VPN) access enables your offsite users to securely access network services while preventing access by unauthorized individuals.

Standards-Based Protocols

OS X Server supports the standards-based L2TP/IPSec and PPTP tunneling protocols to provide encrypted VPN connections for iPad, iPhone, Mac, and PCs. These VPN services use highly secure authentication methods, including MS-CHAP and network-layer IPSec.



VPN On Demand

When using Profile Manager, administrators can now define VPN on-demand profiles to provide seamless, secure access to your organization's network. VPN on demand allows your Mac to establish a secure connection to the VPN server without requiring the user to bring up the connection manually.

NetInstall



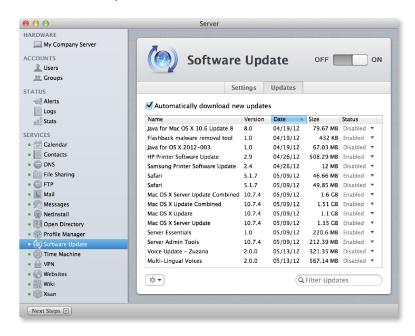
Designed for administrators who manage operating system installations and software updates for their organizations, NetInstall performs automated software installations, whether it's a new version of the operating system, a specific suite of applications for a workgroup, or both. NetInstall saves time and eliminates the expense of distributing software on disk and the need for administrators to configure each system in person.



Software Update Server



By deploying Software Update Server, administrators can control how and when client computers download software, enabling access to approved software updates only. This prevents users from selecting software that's unsuitable for the organization. At the same time, a local software update server streamlines network use, saving the cost of multiple downloads of the same update and reducing unnecessary bandwidth consumption.



Automatically Download Updates and Cache Them Locally

Software Update Server acts as a proxy for software updates for OS X. This caching server allows administrators to control when and how software updates become available for users' systems. Software Update Server is capable of automatically mirroring updates between the Apple software update server and your local server to guarantee that the most current updates are immediately available.

Xsan



Xsan is a 64-bit cluster file system specifically designed for small and large computing environments that demand the highest level of data availability. This specialized technology enables multiple Mac computers to share RAID storage volumes over a high-speed Fibre Channel network. Each client can read and write directly to the centralized file system, accelerating user productivity while improving workgroup collaboration. Because everyone can work with the same files on the network, Xsan dramatically improves the efficiency of post-production and other data-intensive workflows.

The Xsan file system is built into OS X, allowing any Mac with appropriate connectivity to access an Xsan volume. OS X Server includes the Xsan Admin application for hosting and configuring Xsan volumes.

Volume Management

Xsan allows you to create storage pools made of identical sets of LUNs and stripe them together for fastest-possible performance. Different pools offering special storage characteristics can be combined into volumes; data placement settings, or affinities, enable you to direct data to specific volumes depending on performance and protection requirements.

Metadata Controller Failover and File System Journaling

Xsan has a high-availability design that allows users to access mission-critical data even in the event of a system or Fibre Channel network failure. Metadata controller failover protects storage availability from server hardware failure. File system journaling tracks modifications to metadata, enabling quick recovery of the file system in case of unexpected interruptions in service. And Fibre Channel multipathing allows file system clients to automatically use an alternate data path should a failure occur.

Real-Time Monitoring, Graphs, and Event Notifications

For day-to-day SAN management, OS X Server includes the Xsan Admin application. Xsan Admin makes it easy to manage and monitor your SAN and to receive notifications about impending issues.

Server Fundamentals



OS X Server takes advantage of the UNIX-compliant foundation of OS X. This rock-solid core provides the stability, performance, and security that organizations require—and full UNIX conformance ensures compatibility with existing server and application software.

High-Performance Networking

Incorporating the latest industry-standard networking and security protocols, OS X uses the time-tested BSD sockets and TCP/IP stack to provide compatibility and integration with IP-based networks.

A fully multithreaded IP stack and advanced process- and thread-scheduling algorithms enable OS X to efficiently service requests—even when hundreds of users are simultaneously connected to the server. From the lowest levels of the kernel to everyday applications, performance gains are especially noticeable on the latest Intel multicore systems.

Advanced Server Features

OS X features an industrial-strength design required for business-critical server deployments. "Headless" operation allows administrators to install and configure services without needing to connect a display to the server. Powerful remote administration tools permit secure service management from anywhere on the network or over the Internet, and support for SSH provides secure access from the UNIX command line.

To keep critical services up and running, OS X has built-in tools for monitoring systems, preventing accidental shutdown, and recovering services quickly in case of network or power failure.

Security and Access Controls

OS X is designed to be secure right out of the box—no security expertise is required. Included are features that keep your systems secure such as advanced security architectures, a built-in firewall, and strong encryption and authentication technologies.

Tech Specs

System Requirements

- Mac computer running OS X Mountain Lion
- 10GB of available space
- Some features require an Apple ID; terms apply.
- Some features require a compatible Internet service provider; fees may apply.

Languages

English, Chinese, Dutch, French, German, Italian, Japanese, Korean, Spanish

Pricing

Anyone can quickly and easily turn a Mac running Mountain Lion into a server that's perfect for home offices, businesses, schools, and hobbyists alike.

OS X Server is an application you can add to Mountain Lion right from the Mac App Store for \$19.99.

Additional Resources

- Documentation: http://www.apple.com/osx/server/documentation/
- Training and certification: http://training.apple.com
- Product support: http://www.apple.com/support/