



OS X Server

Product Overview
October 2013



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OS X Server



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

OS X Server brings more power to your business, home office, or school. Designed to support Mac and iOS devices, OS X Server makes it easy to share files, schedule meetings, synchronize contacts, host your own websites, publish wikis, develop software as a team, remotely access your network, mass-configure Mac computers, iPhone, iPad, and iPod touch devices, and more.

The key features of OS X Server are as follows:

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

Caching Server. Speed up the download of apps, books, software updates, iTunes U course material, and OS X Recovery images delivered by Apple. Caching Server reduces Internet bandwidth usage and speeds up software installs on your network.

Profile Manager. Simplify the deployment, configuration, and management of Mac computers and iOS devices in your organization. Profile Manager acts as a Mobile Device Management (MDM) server for configuration of user accounts, system settings, security policies, and distribution of institution-licensed apps and books.

Xcode Server. It's easier than ever for Mac and iOS development teams to create robust, reliable software, thanks to continuous integration, testing, and repository hosting services.



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

Time Machine Backups. Use your server as a Time Machine backup destination for all the Mac computers on your network. You can also use Time Machine to make a complete backup of all files and server configuration data on your server.

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 that iPhone and iPad users are immediately notified when they receive new mail messages.

Contacts Server. Be more productive by syncing and sharing contacts—such as a list of customers or suppliers—with other iPhone, iPad, and Mac users in your organization.

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 others using Messages with OS X.

Websites. 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 from home or away from the office.

NetInstall. Save time by automating the deployment of OS X software installs and upgrades across your network.

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 application 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.

Setup

Configuring OS X Server is almost as easy as configuring your Mac for the first time. Simply launch the Server app and choose to set up your Mac as a server.

An assistant walks you through the setup of your Mac as a server, verifies network settings, and helps define your administrator account.



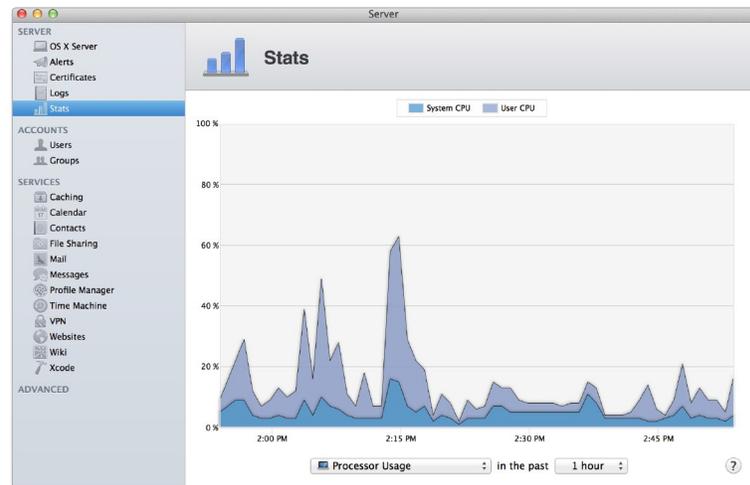
An Overview screen displays the host name, the computer name, the amount of time since the last system restart, the system version, the server version, and the Ethernet ports with assigned IP addresses.



Stats

Picture your server activity over time. Stats show when your server is the most busy, nearing capacity, and least used. Stats include the following:

- **Processor Usage.** Monitor the workload of the server's processor or processors.
- **Memory Usage.** See how much memory the server has been using.
- **Network Traffic.** Track how much incoming and outgoing data the server transfers over the network.



Alerts

It's easy to receive notification of alerts and other important events on your server. In addition to email, OS X Server can send push notifications to alert you about low disk space, software updates, expiring SSL certificates, email viruses, and network configuration changes. Each alert message notes when the event occurred, briefly describes the event, outlines available recovery options for resulting problems, and may assist you in recovery.

Logs

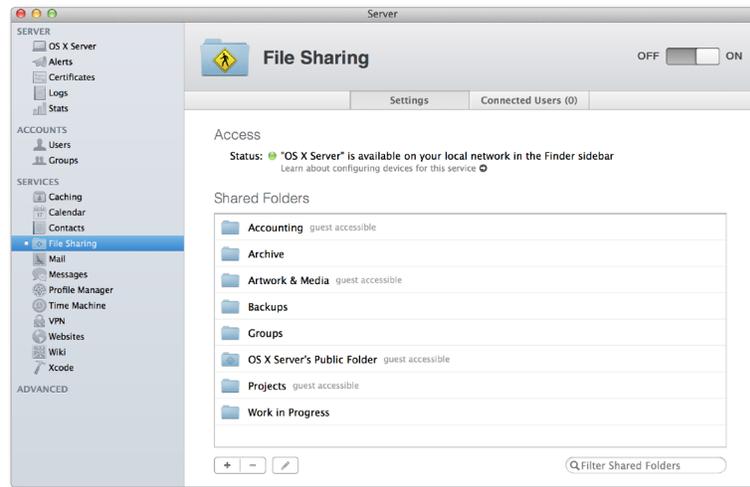
OS X Server maintains standard UNIX log files and Apple-specific process logs. These logs include the messages you see in alert dialogs, and messages you won't see anywhere else about routine actions, warnings, and errors. If you receive an error message in a dialog, a log may show additional detail about the issue.

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 easy to share files between Mac computers, iPad devices, and PCs, as if they were using the files locally.

OS X Server is the easiest and most cost-effective way to share files locally or over the Internet. Once you've created a group on your network, the group gets a shared folder on the server, as well as a guest folder and a drop box. Whether they're on Mac or PC systems, all group members can read and write to files in the shared folder as if they were using their own hard drives. Built-in file-level locking keeps any Mac or PC from overwriting changes when a file is opened by more than one user at a time; only the user who unlocked the file can make changes.



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. Since 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 safe on the server.

File Sharing for Mac, PC, and iPad

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—including SMB2, AFP, SMB/CIFS, NFS, and WebDAV—OS X Server delivers file services to all the clients on your network.

iPad users can access files from a Mac or PC. And with WebDAV file sharing, they can access, copy, and share documents on the server from within applications such as Keynote, Numbers, and Pages.

SMB2 is the new default protocol for sharing files in OS X Server. It is superfast, increases security, and improves Windows compatibility:

- **Efficient.** SMB2 features Resource Compounding, allowing multiple requests to be sent in a single request. In addition, SMB2 can use large reads and writes to make better use of faster networks and also provides large MTU support for blazing speeds on 10Gb Ethernet. It aggressively caches file and folder properties, and uses opportunistic locking to enable better caching of data. It's even more reliable, thanks to the ability to transparently reconnect to servers in the event of a temporary disconnect.
- **Secure.** SMB2 supports Extended Authentication Security using Kerberos and NTLMv2.
- **Compatible.** SMB2 is automatically used to share files between two Macs running OS X Mavericks, or when a Windows client running Vista, Windows 7, or Windows 8 connects to your Mac server. OS X Server can share files with other Mac computers and PCs using the SMB2, AFP, or SMB network file-sharing protocols, automatically selecting the appropriate protocol as needed.

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.

Connection Monitoring

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

Spotlight Searching

Designed for workgroups with shared documents, projects, and files, the built-in Spotlight searching 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.

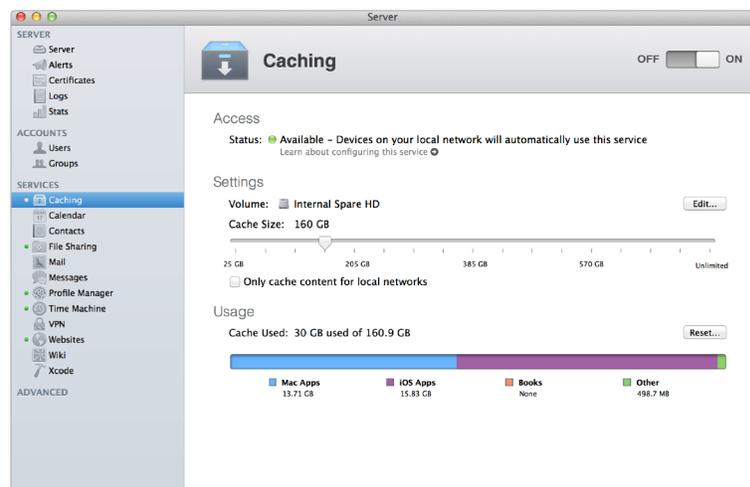
Caching Server



Speed up the download and delivery of software from Apple. Caching Server locally caches content from App Store, Mac App Store, iBooks Store, Software Update, and iTunes U to reduce Internet bandwidth usage and speed up software installs on your network.

When a user on your network downloads new software from Apple, a copy is automatically stored on the Caching Server. The next time other users on your network update or download that same software, they're actually accessing it from inside the network.

Using Caching Server requires no client configuration. Computers and devices on your network automatically take advantage of the Caching Server when available.



Caching Server is easy to use; no complex setup or network configuration is required. Simply turn the Caching Server on to begin enjoying the benefits.

Fault-Tolerant Design

The service has a built-in failover mechanism. When the client cannot reach the local Caching Server, or if the connection is disrupted, it automatically fails over to the public content distribution network used by Apple. The failover is automatic and instantaneous.

High Availability

Caching Server is designed for high availability with automatic load balancing of incoming connections, and scalability that supports up to 750 simultaneous connections on a single Mac mini server.

Multiserver Cache Replication

For improved performance on large networks, Caching Server automatically replicates cached content between multiple servers.



iOS 7 and OS X Mavericks

Caching Server supports iPhone, iPad and iPod touch devices running iOS 7, and Mac computers running OS X Mavericks or OS X Mountain Lion.

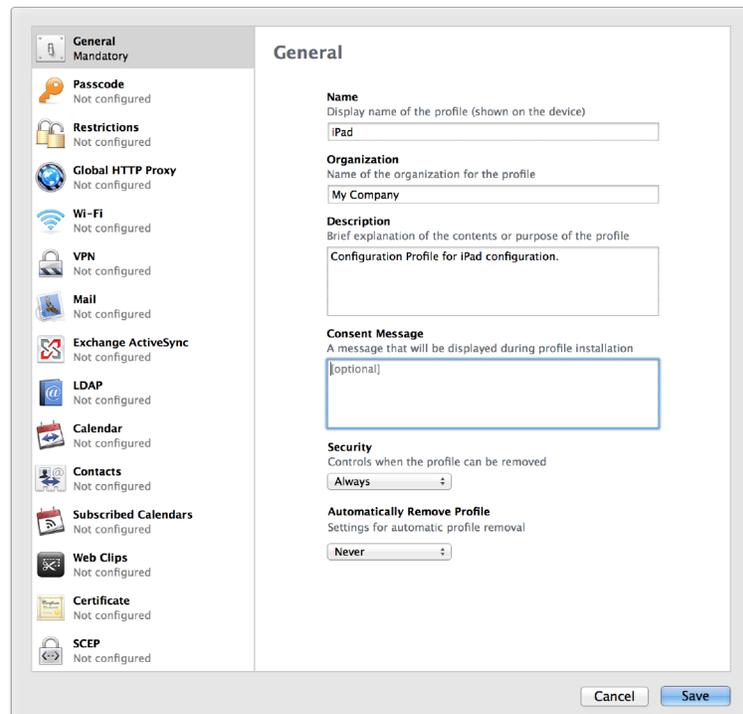
Profile Manager



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. Profile Manager is a web-based admin console for the creation of configuration profiles and can act as a Mobile Device Management server for both Mac and iOS devices.

Configuration Profiles

Profile Manager simplifies the creation and deployment of configuration profiles for Mac and iOS devices. Configuration profiles—essentially XML data files—can easily be created using Profile Manager, then distributed through the self-service portal or emailed to users for installation on their computer or device.





Mobile Device Management

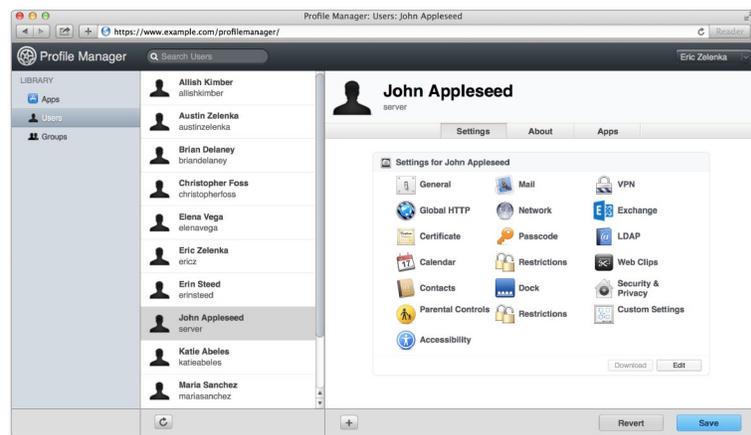
Apple has built Mobile Device Management (MDM) into both OS X and iOS, giving businesses and schools the ability to remotely manage devices in an enterprise environment. With MDM, IT departments can wirelessly configure and update accounts, settings, restrictions, and password and PIN code policies; monitor compliance with corporate policies; remotely wipe or lock managed devices; distribute institution-licensed apps and books; and more.

Management of OS X and iOS devices takes place via a connection to an MDM server such as Profile Manager. The device communicates with the server to see if there are tasks pending and responds with the appropriate actions. These tasks can include updating policies, providing requested device or network information, or removing settings and data.

Most management functions are completed behind the scenes with no user interaction required. For example, if an IT department updates its VPN infrastructure, Profile Manager can configure a Mac or iOS device with new account information over the air. The next time VPN is used by an employee, the appropriate configuration is already in place, so the employee doesn't need to call the help desk or manually modify settings.

Web-Based Administration

Featuring a web-based console, Profile Manager enables administration from web browsers such as Safari on Mac or iPad. Admins 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 or iOS device. Users can access this portal in Safari to manage their passcode, set the boot password for their Mac, or remotely lock and/or wipe devices that have been lost or stolen.

Institution-Licensed Apps and Books



Apple is making it easier than ever for businesses and schools to get apps into the hands of those who need them, whether employees, students, or faculty.

The App Store Volume Purchase Program allows your business or institution to purchase apps, books, and textbooks individually or in bulk; pay using purchase orders or other means; and distribute them to users directly within the App Store or iBooks Store.

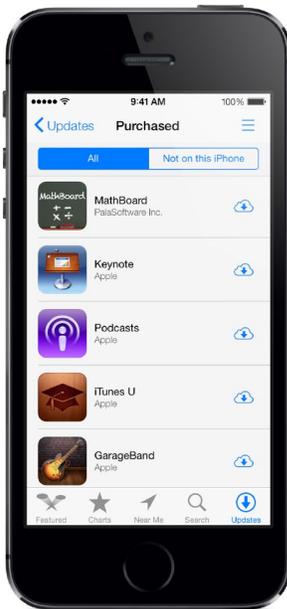
Best of all, your organization maintains control and ownership of app licenses, allowing them to be reassigned. If an employee leaves your company or a student moves on, the app license can be revoked and allocated to another employee or student. (The prior user receives a notification and can purchase a personal copy of the app during the expiration grace period.)

Volume Purchasing

The App Store and iBooks Store feature thousands of great apps, books, and textbooks ideal for businesses and educators. With the App Store Volume Purchase Program, you can harness the power of the App Store for distributing institution-owned apps and books.

Once enrolled in the App Store Volume Purchase Program, your business or educational institution has access to a dedicated portal for software purchasing, license management, and distribution.

- **App Store download.** Accessing new apps couldn't be simpler. Within the App Store, users install institutionally purchased apps directly on their Mac or iOS device using their own personal Apple ID.
- **App purchasing.** The App Store Volume Purchase Program website allows your business or school to purchase apps, books, and textbooks individually or in bulk for all of your Apple products.
- **Institutional payment methods.** Apps and books can be purchased individually or in bulk using purchase orders, credit cards, procurement cards (pCards), or PayPal. Payment methods vary by country.
- **Mac and iOS.** The App Store Volume Purchase Program supports purchasing and distributing apps and books to Mac systems running OS X Mavericks and devices running iOS 7.
- **User privacy.** Users install institutionally purchased apps directly within the App Store using their own personal Apple ID, which remains private and is never known by the business or education institution.
- **Distribution.** Apps can easily be assigned to users via email, or be delivered over the air from within Profile Manager.



The same App Store used to distribute over 50 billion apps is available for businesses and schools to provide licensed software to their employees, students, and faculty.

Xcode Server



Xcode Server makes it easier than ever for a Mac or iOS development team to create robust, reliable software, thanks to continuous integration, testing, and repository hosting services.

Software developers can use OS X Server directly from within Xcode to automatically integrate and archive their projects, automatically run tests on multiple iOS devices, host Git repositories, and view a history of build and test results.

Continuous Integration and Testing

With Xcode Server, developers can create continuous integration “bots” that build, analyze, and test your software running on OS X Server. Bots can be configured to run at specific times, or continually as code is committed to the repository. Automation tests can be run for OS X and iOS apps, including the execution of tests on multiple iOS devices.



Xcode Server includes a Big Screen web interface with active bots showing success/failure status, perfect for display on a high-definition TV.



Bots

Xcode can configure a continuous integration “bot” on any Mac in your network running OS X Server. The Xcode bot on the remote Mac will perform an integration—build, analyze, test, and archive your app—when anyone on your team commits to source control, or at a defined interval.

Team Development

Development teams can host their own Git repositories, and remotely access detailed integration summaries and nightly builds from a web interface. Xcode Server also provides easy downloading of product archives or executable apps, ideal for internal testing by the QA team, and a web interface that details integration history.

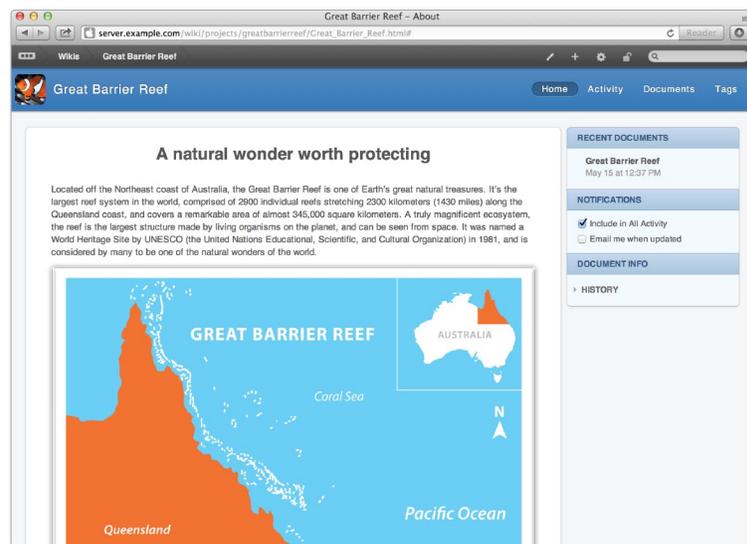
Wiki Server



OS X Server makes it simple for people to collaborate and communicate using wikis. With wikis, users can add content and 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. The intuitive edit toolbar lets users customize fonts; add text, tables, charts; and attach files, including audio and video. No syntax or 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 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 open and save attachments from wikis directly within applications such as Keynote, Numbers, and Pages.

Quick Look

One of the most useful features of the Wiki Server is Quick Look. By clicking the Quick Look icon next to a file attachment on the 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.

Time Machine Backups



OS X Server can act as a designated Time Machine backup for all the Macs 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 altogether.

Time Machine automatically makes a complete backup of all files on the computer to a locally attached external hard drive, an available internal hard disk, or a remote network file system. It also keeps track as files are created, updated, or deleted over time. Time Machine backs up the changes and creates a history of the file system that you can navigate by date. You can use its intuitive time-based visual browser to search back through time to find and restore any files that were backed up.



Server Backup

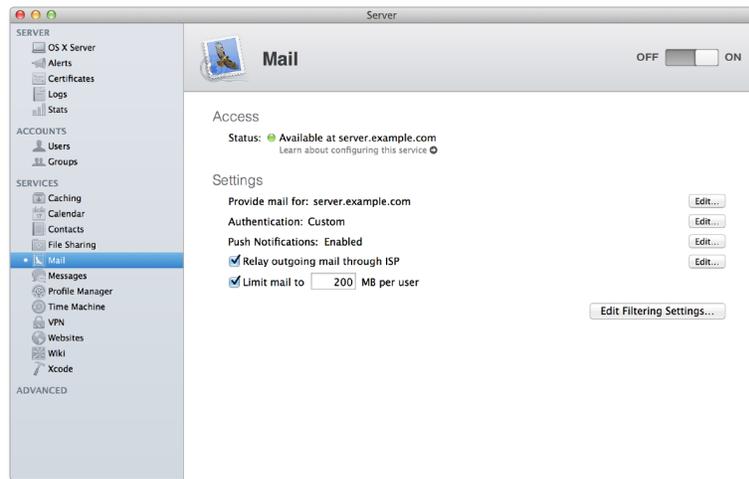
You can also use Time Machine to make a complete backup of all files and server configuration data on your server. Time Machine automatically backs up data and settings for Contacts, File Sharing, Calendar, Messages, Mail, Profile Manager, VPN, websites, wikis, and Xcode Server.

OS X Server takes advantage of Time Machine to back up all files and configuration data on your server. Once they are backed up, you can easily restore your server to a previous state or restore just a service.

Mail Server



OS X Server is the ideal solution for companies that 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. OS X Server uses SSL to encrypt your email transfers on your network.

Push Notifications

With integration into the Apple Push Notification service, OS X Server can immediately notify iPhone and iPad users when they receive new mail messages.

Junk Mail Filtering

Mail Server features adaptive filtering to protect your network from unwanted junk mail. OS X Server analyzes the content of each mail message and trains itself to recognize—and filter out—marginal mail.

Virus Detection and Quarantine

To prevent destructive viruses, Mail Server scans email messages and attachments—if a virus is found, Mail Server quarantines and deletes email before it can make its way into your organization.

Optimized for Mobile

OS X Server improves the 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.

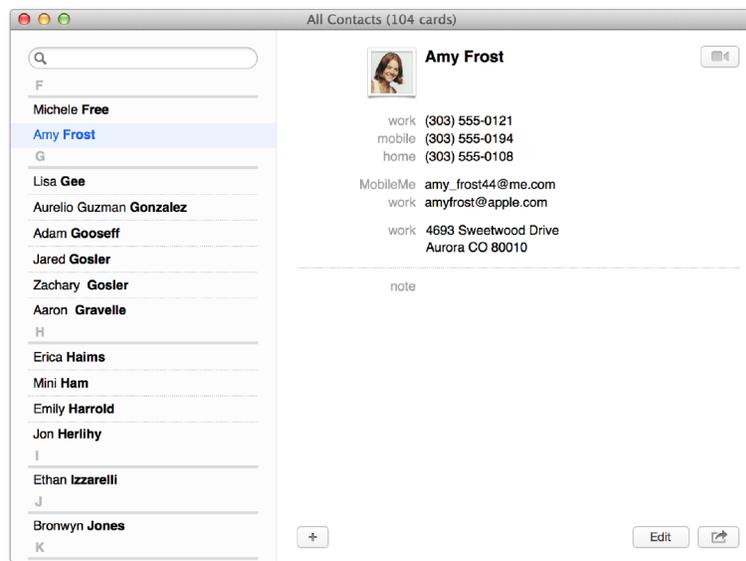
Contacts Server



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 accessible by 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 the Apple 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 or 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, or movies—to the invitation.



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 Mac, iPhone, or iPad.

Email Invites

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

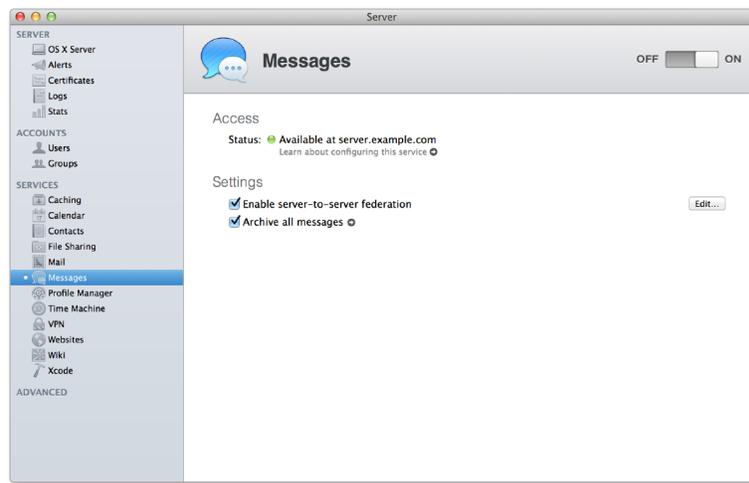
Push Notifications

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

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 others using Messages with OS X.



Standards-Based Jabber Server

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.

Store and Forward

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.

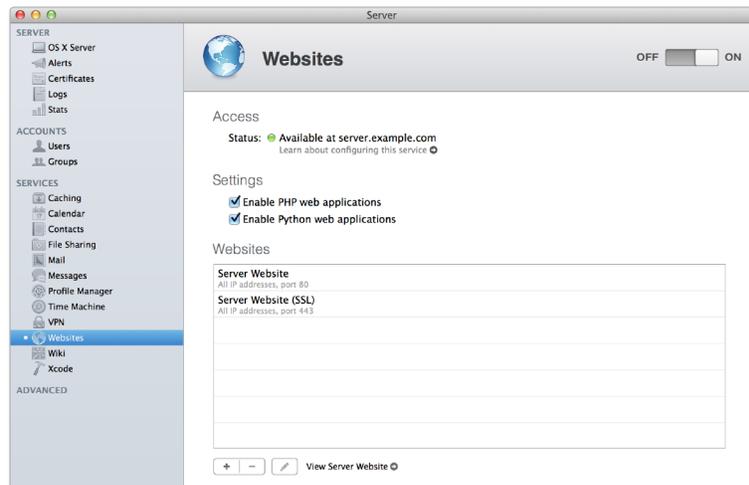
Persistent Chat Rooms

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.

Websites



You don't need to be an experienced webmaster to set up websites and host them on OS X Server. Use OS X Server to publish custom websites that you created (or someone has created for you) using website development software.



Access Controls

You can restrict access to each website to a specific group, or restrict parts of the website to specific groups. Authentication using name and password can be required to access restricted content.

Virtual Hosting

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 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 SSL digital certificates.

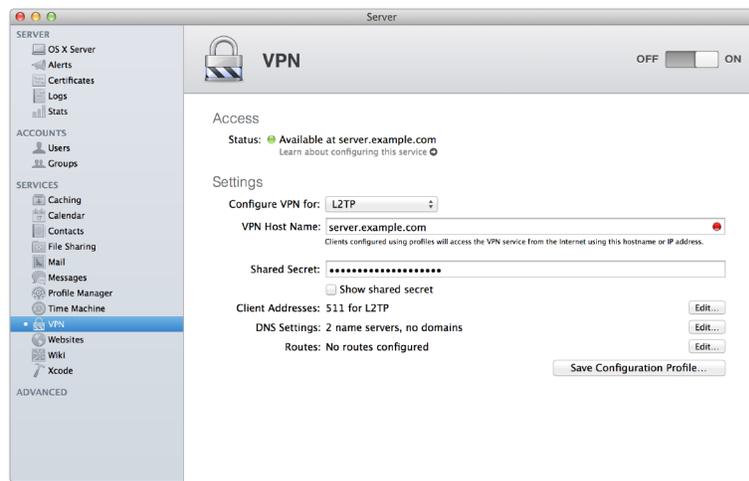
Dynamic Web Content

OS X Server is extremely flexible, so you can add dynamic content for more interactive websites and applications. The Web Server supports dynamic content generated by Server-Side Includes, PHP, Apache modules, and CGIs.

VPN Server



OS X Server allows users to securely connect to your organization's network services and confidential information from 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 strong authentication methods, including MS-CHAP and network-layer IPSec.

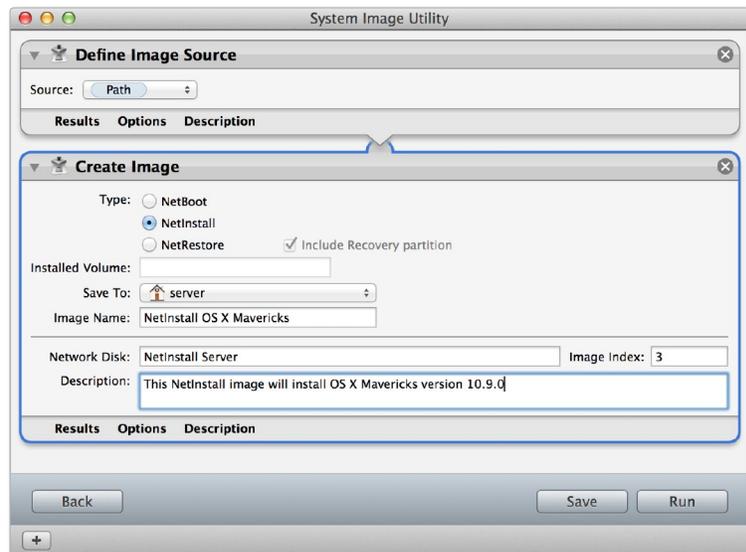
On Demand

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



Automate OS X installations and upgrades across your network. 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 or the need for administrators to configure each system in person.



Instead of going from computer to computer to install an operating system and app software, you can prepare an installation image that installs on each computer when it starts up. You can also choose to not install software and have client computers start up (or boot) from an image stored on the server. In some cases, clients don't even need their own hard disk. Using NetInstall, your client computers can start from a standardized OS X configuration image suited to specific tasks. Because the client computers start from the same image, you can quickly update the operating system for users by updating a single boot image.

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 Macs 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 be working 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 the fastest-possible performance. Different pools offering special storage characteristics can be combined into volumes; and data placement settings, or affinities, enable you to direct data to specific volumes depending on performance and protection requirements.

Metadata Controller Failover

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.

Journaling

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 Notification

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 notifies you of 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.

Additional Information

System Requirements

- Mac computer running OS X Mavericks.
- 10GB of available space; some features require additional disk space.
- Some features require an Apple ID; terms apply.
- Some features require a compatible Internet service provider; fees may apply.
- Some features require program enrollment.
- Some features are not available in all countries.

Languages

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

Pricing

Anyone can quickly and easily turn a Mac running OS X Mavericks into a server that's perfect for home offices, businesses, schools, and hobbyists alike. OS X Server is an application you can add to OS X Mavericks right from the Mac App Store for \$19.99.

Resources

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