



# Mac OS X Server Command Line Install and Configuration v10.4 Exam Skills Assessment Guide

The Mac OS X Server Command Line Install and Configuration v10.4 Exam (Prometric exam no. 9L0-614) is a computer-based test offered at Authorized Prometric Testing Centers.

The exam is one of several elective exams in the Apple Certified System Administrator (ACSA) track. If you pass this exam, you will earn Mac OS X Server Command Line Install and Configuration 10.4 certification as well as 3 credits toward ACSA certification.

The exam lasts 90 minutes and consists of 67 multiple-choice questions that are based on the knowledge-area objectives listed in this guide.

The score required to pass is 66 percent (44 items out of 67). Eight demographic questions are presented but are not scored.

To prepare for the exam, read through the objectives in this guide to determine which areas you need to review. You will not have access to any resources or references during the exam. Please note that the exam is based on Mac OS X Server version 10.4.

The number of test questions drawn from each knowledge area is indicated for each topic below. Please note that although this guide divides the objectives into 5 knowledge areas, questions are presented randomly during the exam. Also note that UNIX commands and processes are shown in monotype in the exam.

## Preparing for a Mac OS X Server Installation

This topic has 14 items, drawn randomly from the following objectives:

- Identify Mac OS X Server installation requirements.
- Identify appropriate hardware and data storage options for a Mac OS X Server deployment.
- Evaluate power needs of equipment.
- Verify the network environment meets the needs of Mac OS X Server.
- Outline service and support options available from Apple.
- Describe how to:
  - Locate a server using Server Assistant and `sa_srchr`.
  - Use SSH to connect to a server booted from the installation disc.

- Use a serial connection to connect to an Xserve.
- Partition a disk with `diskutil`.
- Create volumes with `diskutil`.
- Create software RAID volumes with `diskutil`.
- Create hardware RAID volumes with `megaraid`.

### Mac OS X Server Installation

This topic has 5 items, drawn randomly from the following objectives:

- Compare and contrast `installer`, `NetInstall`, and Apple Software Restore.
- List benefits of each installation method for a server environment.
- Describe how to install Mac OS X Server locally, remotely, on a headless server, with graphical tools, and with command-line tools.

### Mac OS X Server Configuration

This topic has 19 items, drawn randomly from the following objectives:

- Describe how to:
  - Configure Mac OS X Server with command-line tools such as `serversetup`, `networksetup`, `systemsetup`.
  - Configure Mac OS X Server using auto server setup plist files.
  - Configure Mac OS X Server using auto server setup directory entries.
- Identify additional tools needed to set up the server from the command line.
- Describe how to:
  - Use `softwareupdate` to install system updates.
  - Use `hdiutil` and `installer` to install system updates.
  - Use `lsbom` to inspect the contents of packages and receipts.

### Mac OS X Server Administration Tools

This topic has 23 items, drawn randomly from the following objectives:

- Describe the architecture of Server Admin.
- Describe the roles of `servermgrd`, `hwmond`, and `DirectoryServices`.
- List the processes that communicate with Server Admin, Hardware Monitor, and Workgroup Manager.
- Describe how `servermgrd` server and its clients communicate.
- List alternative ways to talk to the `servermgrd` daemon.
- Describe how Server Admin edits configuration files for standard UNIX services.
- Describe how to:
  - Use SSL certificates to increase the security of Server Admin.
  - Edit configuration files without conflicting with changes made by Server Admin.
  - Use `serveradmin` to change configuration settings to Mac OS X services.
  - Use the Server Admin Debug log to discover the syntax for `serveradmin` commands.

- Create command files to input complex commands into the `serveradmin` command.
- Import users with `dsimport`.
- Edit groups with `dseditgroup`.
- Create share points with `sharing`.

## Mac OS X Server Troubleshooting

This topic has 6 items, drawn randomly from the following objectives:

- Describe how to:
  - Methodically isolate and investigate unexpected behavior with Mac OS X Server.
  - Use troubleshooting tools to investigate the behavior of Mac OS X Server.

## To Register

You are required to have an Apple Tech ID number before registering for an exam. You can apply for a Tech ID by following the instructions at [certifications.apple.com](http://certifications.apple.com). Then, to register for an exam, call Prometric toll-free at 888-APL-EXAM (888-275-3926) or register online at [www.prometric.com/apple](http://www.prometric.com/apple).

To register for an Apple Training course, please visit [www.apple.com/training](http://www.apple.com/training) or call 800-848-6398 in the US or Canada. To schedule an onsite course at your organization's location, please call 800-848-6398 or email [abouttraining@apple.com](mailto:abouttraining@apple.com).

## For More Information

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