

Mac OSX Server Essentials

(3 days)

Introduction

Learn how to set up, configure, and perform the essential administration of Mac OSX Server in a networked environment.

This is a practical 'hands on' three day course covering installing the Server software, creating users, groups and directory services, setting network, internet and web services, dealing with file sharing issues and initialising email services. You will also cover how to manage a networked Mac OSX system using the graphical administration tools provided.

The course concludes with an overview of security issues and addresses the most common troubleshooting hints and tips.

Course Outline

MAC OS X AND MAC OS X SERVER OVERVIEW

Overview of a typical Mac OS X Server / Mac OS X installation
Introduction to Server tools
Adopting a practical approach for technical coordination

NETWORKING SERVICES

Essential terms and concepts of TCP/IP networking
Using DHCP and DNS for IP and host name maintenance
Using SLP for discovery of services
Using IP filtering for security

USERS AND GROUPS

How to define and manage local and networkwide users and groups
User authentication
User and group IDs
Primary groups

FILE SYSTEMS AND SERVICES

Using the Apache web server
Configuration and maintenance of multiple websites
Using WebDAV for web-based authoring
An overview of dynamic content generation
Enhancing performance through caching and proxy servers

ADDITIONAL TECHNOLOGIES

An overview of WebObjects and QuickTime Streaming Server

PRINTING SERVICES

An overview of printing services and supported printers
Print job management
Print server monitoring

MAIL SERVICES

Enabling and configuring user mail accounts on OSX Server
Accessing mail services from desktop systems
Basic processes of mail exchange
Understanding SMTP, POP, and IMAP addresses
DNS and MX records for mail routing

UNDERSTANDING SERVICE PROCESSES

How service processes are managed by the operating system
Understanding daemons, process attributes, privileges, monitoring, quitting, and restarting

MACINTOSH MANAGER

Using Macintosh Manager for managing users, workgroups, and computers in a controlled network environment

USING MACINTOSH MANAGER

How Macintosh Manager provides an alternative to standard Mac OS X Server user and group services, especially relevant for desktop systems running earlier versions of the Mac OS



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WORKING WITH NETBOOT

Using NetBoot for booting clients from a centrally maintained system image - useful for ensuring standard system behaviour across boots and diskless workstations

How to build custom images and maintain user preferences in conjunction with Macintosh Manager

NETWORK AND DIRECTORY SERVICES

How to set up a NetInfo domain for network user accounts and server-based home directories

Controlling authentication

REMOTE ACCESS AND CONTROL

How to remotely access and control the Server

An introduction to plug-in support for other directory standards such as LDAP