

## Solaris 10 Administration Topics

### Course Summary

#### Description

Solaris is an ideal server operating system. It does not require a GUI, it has low system overhead, it can work with open source or Solaris specific software solutions. This course is designed to cover the essential administration tasks confronting today's Sun systems administrators. It covers all basic workstation administration functions, with full hands-on experience at all stages.

#### Objectives

At the end of this course, students will be able to:

- Understand the advanced concepts of Solaris 10 administration
- Configure and use local and remote disk and file systems
- Set-up Solaris Volumes Manager metadevices
- Install Solaris locally and via jumpstart
- Build basic zones
- Appreciate the features of advanced storage and Logical Domains

#### Topics

- Local Disk Usage
- Back-Up and Restore
- Solaris Volume Manager and RAID
- System Messaging and Logging
- Network File Systems and AutoFS
- Installing Solaris
- Software Packages and Patches
- Boot PROM
- Start-up and Shutdown
- Jumpstart and Flash Archives
- Solaris Zones (Containers)
- Storage (Overview)
- Logical Domains (Overview)

#### Audience

If you administer a Solaris workstation attached to a network, this course provides critical information on how to use a Solaris client or server. If you are responsible for integration of UNIX into your IT architecture, this course shows you how Solaris can solve configuration problems.

#### Prerequisites

Students should have a good understanding of basic UNIX commands and at least 6 months experience with UNIX system administration.

#### Duration

Five days

## Solaris 10 Administration Topics

### Course Outline

- I. Local Disk Usage**
  - A. Slices and Directory Hierarchy
  - B. Hard links and symbolic links
  - C. Mounting of File Systems
- II. Backup & Restore**
  - A. ufsdump, ufsrestore
  - B. fssnap
  - C. tar, cpio, mt
- III. Solaris Volume Manager & RAID**
  - A. RAID levels
  - B. Metadevice State Databases
  - C. Logical Disks and mirrors
- IV. System Messaging and Logging**
  - A. Syslog Management
- V. Network File Systems and AutoFS**
  - A. Server side NFS
  - B. Client Side NFS
  - C. Automounter Maps
- VI. Installing Solaris**
  - A. Overview of Installation Tasks
- VII. Software Packages & Patches**
  - A. Package Bundles & Installation
  - B. Patch Status and Installation
- VIII. Boot PROM**
  - A. Boot PROM Monitor commands
  - B. Defaults and settings
- IX. Start-up & Shutdown**
  - A. Boot Procedure
  - B. Service Management Facility (SMF)
- X. Jumpstart & Flash Archives**
  - A. Creating a Jumpstart Server
  - B. Client Boot & Install Process
  - C. Flash Archives & Installs
- XI. Solaris Zones (Containers)**
  - A. Features of Zones
  - B. Overview of configuration
- XII. Storage (Overview)**
  - A. Features of SAN
  - B. Introduction to luxadm
  - C. Introduction to LBA
- XIII. Logical Domains (Overview)**
  - A. Introduction to LDOM