

ROI Training, Inc.

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Course 703 - Solaris 9 Administration: Part I (5 Days)

By the end of this course the student will be able to install and manage a Solaris workstation. The student will be able to explain and modify the boot and initialization process; understand storage architectures, DAS, NAS, SAN; build the logical file system using logical volume management, ufs, tmpfs, and journaled file system types; manage removable media; know how to set up and maintain a backup policy; how to recover from a disaster; know how to manage users and groups; increase security thru PAM, RBAC, ACLs, sudo, and security checking software; manage all log files; and how to customize GUIs for users. Work is done thru the command line and thru Solaris GUIs.

Who should attend...

If you administer a Solaris workstation or server, this course provides absolutely mandatory information on how to manage Solaris. If you are a help desk engineer, this course provides you the background necessary to solve your client's Solaris problems. If you are installing or upgrading Solaris this course will give you the information needed to ensure a successful installation.

Outline of course subjects...

Introduction

- Solaris Releases
- Hardware Support
- Software Availability
- Documentation Support

Boot, Initialization, Run Levels, and Shutdown

- Tracing the Booting Process
- Kernel Initialization
- Run Levels, Daemons, and Init
- Managing Daemons
- Shutting Down

Adding Software

- Security Setup
- Package Management
- Other Sources

Non-Disk Hardware

- Terminals
- Removable Media
- Other devices

Storage Management

- Storage Architectures: DAS, NAS, SAN
- Disk Architectures
- RAID Basics
- Physical File System Types
- Logical File System Design
- File System Management
- Logical Volume Management

Removable File Systems

- Understanding vold
- Details of CDROMS
- Floppy Disks and the M* Commands

Backup and Recovery

- Backup and Recovery Requirements
- Using Traditional Tools
- System Recovery Techniques
- Possible Techniques for File Recovery

Security

- Extended File Permissions
- PAM
- Sudo and RBAC
- Programs to Check Security

Managing Log Files

- Understanding syslogd
- Other Log Files

System Performance

- What Can Be Done
- Tools: vmstat, iostat, sar, ps
- Troubleshooting Performance Problems
- Introduction to Tuning Parameters

Understanding Kernels

- Naming Conventions
- Patching the Kernel
- Managing Modules
- Managing Shared Libraries

Managing Users and Groups

- Adding a User
- Using LDAP for User Management
- User Authentication: PAM
- Account Customization
- Deleting a User

Installing Solaris

- Before the installation
- Doing an installation
- First steps after installation