

Course 706: Solaris 10 Administration: Part I

Workstation Administration

(5 Days)

By the end of this course attendees will be able to install and manage a Solaris 10 workstation. The student will be able to explain and modify the boot and initialization process; understand storage architectures; build the logical file system; 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. The emphasis is on the new management methods released in Solaris 10. Work is done thru the command line and thru Solaris GUIs.

Who should attend...

If you administer a Solaris 10 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.

Prerequisites...

To be successful in this course you should have a working knowing of the Unix command line interface

See next page for a detailed course outline...



Course Outline

Boot and Shutdown

- Power on to init
- Daemons, Services, and Instances
- Run Levels and Milestones
- init to svc.startd
- Services and Service Management Facility
- Legacy Run Levels
- Shutting Down Solaris

Managing Services

- Installing a Service
- Modifying Properties
- Removing a Service
- inetd Services
- Restoring a Corrupt Repository

zfs File System

- What is zfs?
- Simple Work
- File System Properties
- Self-healing
- Backups
- Sharing
- ACLs

Removable File Systems

- Volume Daemon
- Working with CDRoms
- Floppy Disks and the M* Commands
- USB Drive

File System Security

- Standard Permissions
- Extended Permissions
- Do I Need that SUID Program?
- Mounting Read Only
- ACLs



Backup and Recovery

- Backup, Recovery, and Archiving
- Traditional Tools
- Setting up a Snapshot for Backup
- Setting up Mirroring for Backup
- Recovering a File

Software Management

- Package Management
- Perl Packages
- FSF Packages

Managing Users and Groups

- useradd, groupadd, and smc
- usermod, groupmod, and smc
- userdel, groupdel, and smc
- Password Security
- PAM

RBAC and Auditing

- Why RBAC
- Setting up RBAC
- Living with RBAC
- Introduction to Auditing

Processes, Logging

- Understanding Processes
- Understanding syslog
- SMF Logging
- Other Logging Facilities
- Managing Log Files

Client Side Networking

- Joining a Network
- Changing Network Characteristics
- Using NFS
- Using autofs



Containers: Projects and Extended Accounting

- Creating Projects
- Modifying Projects
- Destroying Projects
- What is Extended Accounting
- How to Setup Extended Accounting
- Getting Data From Extended Accounting

Containers: Resource Management and Scheduling

- Resource Controls
- Resource Caps
- Understanding Process Scheduling
- Dynamic Resource Pools

Containers: Zones

- What Is and Is Not a Zone
- Creating a Zone
- Software Maintenance
- Modifying a Zone
- Zones, Resource Management, and Scheduling
- Removing a Zone

Please contact your ROI representative to discuss course tailoring!!!