



Integrated Information Services

UNIX (Sun Solaris 10)

Overview

This course is designed for the person that is interested in either the fundamentals or system administration of UNIX. The course will initially cover the basic commands needed to navigate through UNIX and then will slowly move to systems administration.

Target Audience

Those interested in learning the UNIX operating system.

Prerequisites

Basic computer knowledge.

Objective

The goal of this course is to make the user comfortable working on a UNIX system.

Section 1: Installing the Software

- Explain the Solaris 10 OS installation including how to provide Minimal Installations for x86-based systems.
- Perform an OS installation from CD / DVD for x86-based systems.

Section 2: Manage File Systems

- Explain the Solaris 10 OS directory hierarchy, including root subdirectories, file components, and create and remove hard and symbolic links.
- Use the prtconf and format commands to list devices.
- Perform mounts and unmounts on a Solaris 10 OS file system, and use volume management to access mounted diskettes and CD-ROMs.
- Perform Solaris 10 OS package administration using command-line interface commands and manage software patches for the Solaris OS.

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Section 3: Perform System Boot and Shutdown Procedures for x86-based systems.

- Given a scenario, explain the BIOS settings for booting.
- Execute basic boot PROM commands for a SPARC system.
- Use the Xsun configuration files or kdmconfig utility to configure the keyboard, display, and mouse devices for x86 based system.
- Perform system boot and shutdown procedures, including Identifying the system's boot device.
- Explain the Service Management Facility and the phases of the boot process.

Section 4: Perform User and Security Administration

- Explain and perform Solaris 10 OS user administration, and manage user accounts and initialization files.
- Monitor system access by using appropriate commands.
- Perform system security by switching users on a system, and by becoming root and monitoring su attempts.
- Control system security through restricting ftp access and using /etc/hosts.equiv and \$HOME/ .rhosts files.
- Restrict access to data in files through the use of group membership, ownership, and special file permissions.

Section 5: Manage Network Printers and System Processes

- Configure and administer Solaris 10 OSprint services, including client and server configuration, starting and stopping the LP print service, specifying a destination printer, and using the LP print service.
- Control system processes by viewing the processes, and clearing frozen processes.

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