



System Administration for the Solaris 10 Operating System Part 1

Duration: 5 Days **Course Code: SA-200-S10**

Overview:

Students who can benefit from this course include system administrators who are preparing to perform essential system administration procedures in the Solaris OS.

Objectives:

- **Upon completion of this course, students should be able to:**
 - Perform user and security administration
 - Manage file systems
 - Manage network printers and system processes
 - Perform system boot procedures
 - Perform system backups and restores
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Prerequisites:

To succeed fully in this course, students should be able to:

- Perform basic UNIX tasks
 - Understand basic UNIX commands
 - Use the vi text editor
 - Interact with a windowing system
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Content:

Module 1 - Introducing the Solaris 10 OS Directory Hierarchy

- Describe / (root) subdirectories
- Describe file components
- Describe file types
- Use hard links

Module 2 - Managing Local Disk Devices

- Describe the basic architecture of a disk
- Describe the naming conventions for devices
- List devices
- Reconfigure devices
- Perform hard disk partitioning
- Manage disk labels
- Describe the Solaris Management Console
- Partition a disk by using the Solaris Management Console

Module 3 - Managing Solaris OS File Systems

- Describe Solaris OS file systems
- Create a new ufs file system
- Check the file system using the fsck command
- Resolve file system inconsistencies
- Monitor file system use

Module 4 - Performing Mounts and Unmounts

- Identify mounting basics
- Perform mounts
- Perform unmounts
- Access a mounted diskette or CD-ROM
- Restrict access to a mounted diskette or CD-ROM
- Access a diskette or CD-ROM without Volume Management (vold)

Module 5 - Installation Requirements for the Solaris 10 OS

- Identify fundamentals of DVD installation
- Solaris 10 OS installation and upgrade options
- Hardware requirements for Solaris OS installation

Module 6 - Performing Solaris 10 OS Package Administration

- Describe the fundamentals of package administration
- Administer packages using the command-line interface

Module 7 - Managing Software Patches on the Solaris 10 OS

- Describe the fundamentals of patch administration
- Install and remove patches and patch clusters

Module 8 - Executing Boot PROM Commands

- Identify boot programmable read-only memory (PROM) fundamentals
- Use basic boot PROM commands
- Identify the system's boot device
- Create and remove custom device aliases
- View and change nonvolatile random access memory (NVRAM) parameters from the shell
- Interrupt an unresponsive system

Module 9 - Using GRUB

- Introduction to GRUB
- Influencing boot behavior with GRUB

Module 10 - Performing Boot and Shutdown Procedures

- Describe the features of the Service Management Facility
- Identify run level fundamentals
- Compare run levels and SMF milestones
- Identify the phases of the boot process
- Use SMF administrative commands
- Control boot processes
- Perform system shutdown procedures

Module 11 - Performing User Administration

- Describe user administration fundamentals
- Manage user accounts
- Manage initialization files

Module 12 - Introducing System Security

- Monitor system access
- Switch users on a system
- Control system access
- Restrict access to data in files

Module 13 - Configuring and Using Printer Services

- Identify network printing fundamentals
- Configure printer services
- Administer printer services
- Start and stop the line printer (LP) print service
- Specify a destination printer
- Use the LP print service

Module 14 - Controlling System Processes

- View system processes
- Kill frozen processes
- Schedule an automatic one-time execution of a command
- Schedule an automatic recurring execution of a command

Module 15 - Performing File System Backups

- Identify the fundamentals of backups
- Back up an unmounted file system

Module 16 - Performing File System Restores

- Restore ufs file systems
- Explain disaster recovery fundamentals

Module 17 - Backing Up a Mounted File System With a UFS Snapshot

- Create a UFS snapshot
- Back up the snapshot file

Further Information:

For More information, or to book your course, please call us on 00 20 (0) 2 2269 1982 or 16142

training@globalknowledge.com.eg

www.globalknowledge.com.eg

Global Knowledge, 16 Moustafa Refaat St. Block 1137, Sheraton Buildings, Heliopolis, Cairo, Egypt