



Solaris 10 (Level 1_2_3)

Who Can Benefit

General UNIX system administrators managing heterogeneous environments (HPUX, AIX, DG-UX, Linux, Solaris OS, and so on) who have at least six months UNIX system administration experience, system administrators, network administrators, storage administrators, system engineers, and field engineers.

Skills Gained

Upon completion of this course, you should be able to:

- Learn the core competencies of Solaris OS system administration
- Install and configure a Solaris OS workstation
- Understand and perform booting and shutdown procedures
- Correctly install and back out packages on the system
- Correctly install and back out patches on the system
- Add users to the system using both a graphical user interface (GUI) and command-line methods
- Properly set file permissions using access control lists (ACLs)
- Learn to identify, partition, mount, and maintain Solaris OS file systems
- Perform backups and recovery and also use of UNIX File System (UFS) snapshots
- Create virtual disks using Solaris Volume Manager software
- Understand and configure system logging with syslog
- Configure NFS to support the client-server environment
- Understand Basic Naming Services including Network Information Service (NIS), Network Information Service Plus (NIS+), Domain Name System (DNS), and Lightweight Directory Access Protocol (LDAP)
- Configure DNS and LDAP clients
- Use the JumpStart software to automate Solaris OS installation
- Use the Flash archive utility
- Perform Smartcard administration
- Configure basic network interfaces
- Administer core file and core dump configurations
- Configure Role-Based Access Control (RBAC)

Fees :- 15,000 Rs with (Sparc Machines plus Intel both)

Duration :-

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| 1. Introducing the Solaris OS Directory Hierarchy <ul style="list-style-type: none">■ Describe / (root) subdirectories■ Describe file components■ Describe file types■ Use hard links | 2. Managing Local Disk Devices <ul style="list-style-type: none">■ Describe the basic architecture of a disk■ Describe the naming conventions for devices■ List devices■ Reconfigure devices■ Perform disk partitioning■ Manage disk labels■ Describe the Solaris Management Console■ Partition a disk by using the Solaris Management Console |
| 3. Managing the Solaris OS File System <ul style="list-style-type: none">■ Describe Solaris OS file systems■ Create a new UFS file system■ Check the file system by using the fsck command■ Resolve file system inconsistencies■ Monitor file system use | 4. Performing Mounts and Unmounts <ul style="list-style-type: none">■ Identify mounting fundamentals■ Perform mounts■ Perform unmounts■ Access mounted diskettes or CD-ROMs■ Restrict access to a mounted diskette or CD-ROM■ Access a diskette or CD-ROM without Volume Management |
| 5. Installing the Solaris 10 Operating System <ul style="list-style-type: none">■ Identify the fundamentals of CD-ROM installation■ Install the Solaris 10 OS from a CD-ROM■ Identify the upgrade options for the Solaris 10 OS | 6. Performing Solaris 10 OS Package Administration <ul style="list-style-type: none">■ Describe the fundamentals of package administration■ Administer packages by using the command-line interface |
| 7. Managing Software Patches on the Solaris 10 OS <ul style="list-style-type: none">■ Describe the fundamentals of patch administration■ Install and remove patches | 8. Performing Boot and Shutdown Procedures <ul style="list-style-type: none">■ Identify run level fundamentals■ Identify the phases of the boot process■ Control boot processes■ Perform system shutdown procedures |
| 9. Performing User Administration | 10. Performing System Security |

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| <ul style="list-style-type: none"> ■ Describe user administration fundamentals ■ Manage user accounts ■ Manage initialization files | <ul style="list-style-type: none"> ■ Monitor system access ■ Switch users on a system ■ Control system access ■ Restrict access to data in filesv |
| 11. Configuring Printer Service | 12. Using Print Commands |
| <ul style="list-style-type: none"> ■ Identify network printing fundamentals ■ Configure printer services ■ Administer printer services ■ Start and stop the line printer (LP) print service | <ul style="list-style-type: none"> ■ Specify a destination printer ■ Use the LP print service |
| 13. Controlling System Processes | 14. Performing File System Backups |
| <ul style="list-style-type: none"> ■ View system processes ■ Clear frozen processes ■ Schedule an automatic one-time execution of a command ■ Schedule an automatic recurring execution of a command | <ul style="list-style-type: none"> ■ Identify the fundamentals of backups ■ Back up an unmounted file system |
| 15. Performing File System Restores | 16. Backing Up a Mounted File System With a UFS Snapshot |
| <ul style="list-style-type: none"> ■ Restore UFS file systems ■ Explain disaster recovery fundamentals | <ul style="list-style-type: none"> ■ Create a UFS snapshot ■ Back up the snapshot file |
| 17. Describing Interface Configuration | 18. Describing the Client-Server Model |
| <ul style="list-style-type: none"> ■ Control and monitor network interfaces ■ Configure Internet Protocol version 4 (IPv4) interfaces at boot time | <ul style="list-style-type: none"> ■ Describe client-server processes ■ Start server processes |
| 19. Customizing the Solaris Management Console | 20. Managing Swap Configuration |
| <ul style="list-style-type: none"> ■ Describe Solaris Management Console toolbox editor actions ■ Use the Solaris Management Console toolbox editor | <ul style="list-style-type: none"> ■ Describe virtual memory ■ Configure swap spacev |
| 21. Managing Crash Dumps and Core Files | 22. Configuring NFS |
| <ul style="list-style-type: none"> ■ Manage crash dump behavior ■ Manage core file behavior | <ul style="list-style-type: none"> ■ Describe the benefits of NFS ■ Describe the fundamentals of NFS distributed file system ■ Manage the NFS server ■ Manage the NFS client ■ Enable the NFS server logging ■ Manage NFS with the Solaris Management Console storage folder tools ■ Troubleshoot NFS errors |
| 23. Configuring AutoFS | 24. Describing RAID and the Solaris Volume Manager Software |
| <ul style="list-style-type: none"> ■ Describe the fundamentals of the AutoFS file system ■ Use automount maps | <ul style="list-style-type: none"> ■ Describe redundant array of independent disks (RAID) ■ Describe Solaris Volume Manager software |

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| | concepts |
| 25. Configuring Solaris Volume Manager Software | 26. Configuring Access Control Lists (ACLs) |
| <ul style="list-style-type: none"> ■ Distribute the state database replicas ■ Build a mirror of the root (/) file system | <ul style="list-style-type: none"> ■ Describe ACLs ■ Manipulate ACLs using the command line ■ Manipulate ACLs using the File Manager GUI ■ Create default ACLs |
| 27. Configuring Role-Based Access Control (RBAC) | 28. Performing Smartcard Authentication |
| <ul style="list-style-type: none"> ■ Describe RBAC fundamentals ■ Describe component interaction within RBAC ■ Manage RBAC by using the Solaris Management Console ■ Manage RBAC by using the command line | <ul style="list-style-type: none"> ■ Describe Smartcard concepts ■ Perform Smartcard administration ■ Troubleshoot Smartcard operations |
| 29. Configuring System Messaging | 30. Using Name Services |
| <ul style="list-style-type: none"> ■ Describe the fundamentals of the syslog function ■ Configure the /etc/syslog.conf file ■ Configure syslog messaging ■ Use the Solaris Management Console log viewer | <ul style="list-style-type: none"> ■ Describe the name service concept ■ Describe the name service switch file ■ Configure the name service cache daemon (nscd) ■ Get name service information |
| 31. Configuring Name Service Clients | 32. Configuring the Network Information Service (NIS) |
| <ul style="list-style-type: none"> ■ Configure a DNS client ■ Set up an LDAP client | <ul style="list-style-type: none"> ■ Describe NIS fundamentals ■ Configure the name service switch file ■ Describe NIS security ■ Configure an NIS domain ■ Build custom NIS maps ■ Troubleshoot NIS |
| 33. Configuring the JumpStart Procedure | |
| <ul style="list-style-type: none"> ■ Describe the JumpStart procedure ■ Implement a basic JumpStart server ■ Set up JumpStart software configuration alternatives ■ Troubleshoot the JumpStart procedure | |