

# Wizards Training

## UNIX Training Course Curriculum

Duration: Five Weekends - Approx. 60hrs / (Sat & Sun: 1.30pm – 5.30pm)

### UNIX-I

#### Introduction to UNIX

- ☐ Basic concepts.
- ☐ Architecture.

#### Introduction to file systems

- ☐ File system types, structure.
- ☐ File systems administration.

#### System Security

- ☐ Controlling system Access.
- ☐ Controlling File access.
- ☐ Monitoring and Auditing.

#### Setting up user Accounts

- ☐ User account Administration.
- ☐ Managing privileges and groups.

#### Software package administration

- ☐ Tools for managing software.
- ☐ Adding and removing software packages.
- ☐ Installing and removing system patches.

#### Administration and configuration of CDE

- ☐ Managing Login Server.
- ☐ Customizing Workspaces and workspace controls.
- ☐ Customizing user environments.

#### Shell scripts and programs and VI editor.

- ☐ Type of shells.
- ☐ Shell scripting using shell conditionals and repeated loop commands.
- ☐ Debugging shell scripts.
- ☐ Basic VI editor commands and usage.

#### Printer Management

- ☐ Unix Print service management.
- ☐ Setting up hardware and software.
- ☐ Administering printers.

#### Process control and management

- ☐ Viewing a process.
- ☐ Signals and process management.
- ☐ Scheduling Processes.

### Unix-II

#### Installing Solaris/Linux

- ☐ Installation and configuration.

#### Device Administration

- ☐ Hardware Terminology.
- ☐ Software Terminology.
- ☐ Administering Terminal, Modems and ports.

Training Location: 1039 Sterling Road, Ste. 103, Herndon-VA-20170. USA.

Ph: 703-263-7278, 703-968-6268 Fax: 703-935-8849 training @wizardsedu.com

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- ☐ Adding Disks to the system and other SCSI devices such as Tape library etc.

### Networking

- ☐ Network Fundamentals and Topologies.
- ☐ Network Protocols.
- ☐ Network Hardware.
- ☐ Planning and setting up network and routing.
- ☐ Network security.
- ☐ TCP/IP administration and commands.
- ☐ Network Maintenance.

### Advanced Shell scripting and vi editor

- ☐ Advanced shell commands.
- ☐ Basic TCL programming, awk and sed.
- ☐ Functions, filters and formatting output.
- ☐ VI editor advanced commands.

### Advanced System Administration

- ☐ Kernel tuning.
- ☐ Managing file systems and processes (advanced commands).
- ☐ Disk Management, partitioning.
- ☐ Setting up remote file systems mounting (NFS).
- ☐ NIS concepts
- ☐ DNS Concepts
- ☐ DHCP Implementation

### Backup and Recovery

- ☐ Using UNIX commands for Backup and recovery.
- ☐ Backup Strategy.

### Advanced Tips and Tricks for managing UNIX systems.

- ☐ Advanced Troubleshooting techniques.
- ☐ How to do's?
- ☐ What not to do?
- ☐ What to do when things go wrong?

### Assignments on Each Class.

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