

# Wizards Training Inc.

## UNIX Training Course Curriculum

Duration: Four Weekends/ Sat & Sun: 9.00am – 1.00pm or 1.00pm – 5.00pm  
Weekdays - Mon, Wed, Fri: 6.30pm – 9.30pm or Tue, Thu: 6.30pm – 9.30pm

## 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.

**Training Location: 1039 Sterling Road, Ste. 103, Herndon-VA-20151. USA.**

**Global Head Quarters: 14707 Willard Road, Ste. D, Chantilly-VA-20151. USA.**

**Ph: 703-867-7699 Fax: 703-956-6769 [training@wizardstraining.net](mailto:training@wizardstraining.net)**

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### 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.
- 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

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### 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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