

4 Days

55187: Linux System Administration

The training course is designed for providing the students with the required ability to work as a professional Linux system administrator. This training course covers the essential process of administering, configuring and upgrading Linux systems that run one of the three major Linux distribution families namely, Red Hat, SUSE, Debian/Ubuntu, the process of mastering the tools and concepts that are needed for efficiently building and managing an enterprise Linux infrastructure.

It also renders the skills for using state-of-the-art system administration techniques in real-life scenarios via practical labs.

Objectives:

You should be able to meet the following objectives after the completion of this course:

- Configuring services such as DNS, shares, SSH and SELinux/AppArmor as well as servers for DHCP and HTTP.
- Ensuring network performance via configuration, monitoring, tunneling, and routing of traffic.
- Managing system storage by using partitions, logical volumes, physical volumes, ACLs, quotas, and clustering.
- Performing essential Linux commands such as installation, searches and manipulating files.

Course Details

Course Outline

Module 1: System Startup and Shutdown

Module 2: Linux Filetree System Layout

Module 3: Kernel Services and Configuration

Module 4: Partitioning and Formatting Disks

Module 5: Linux Filesystems

Module 6: RAID and LVM

Module 7: Processes

Module 8: Package Management Systems

Module 9: Package Installers

Module 10: User and Group Account Management

Module 11: Backup and Recovery Methods

Module 12: Networking

Module 13: Firewalls

Module 14: Local System Security

Module 15: Basic Troubleshoot and System Rescue

Who Should Attend

- Students with a basic knowledge of Linux
- Users of Linux

Pre Requisite

To take this course the student must have the knowledge of the following-

- Familiarity with text editors.
- Knowledge of the basic components of Linux.
- Working knowledge of Bash scripting.

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