

Red Hat Linux Administration I

Description

Red Hat System Administration I provides a foundation for students wishing to become full-time Linux system administrators by introducing key command line concepts and other enterprise-level tools. These concepts are further developed in the follow-on course, Red Hat Linux Administration Level II.

This course develops the skills needed for basic administration and configuration of Red Hat Enterprise Linux (RHEL), introducing key command-line concepts and enterprise-level tools and laying the foundation for the rapid deployment of RHEL. This course also introduces the basic administration skills needed for resolving configuration issues and integrating RHEL systems with other existing environments. The course helps establish secure user and group administration and develops skills that allow administrators to use available storage solutions more efficiently and securely.

After attending this course, you should be able to perform essential Linux administration tasks, including installation, establishing network connectivity, managing physical storage, and basic security administration.

Delegates will learn how to

- Access the command line
- Manage files from command line
- Create, view, and edit text files
- Manage local Linux users and groups
- Monitor and manage Linux processes
- Control services and daemons
- Control access to files with Linux file-system permissions
- Analyze and store log files

- Configure and secure the OpenSSH service
- Install and update software packages
- Access Linux file systems
- Manage Linux networking

Audience

IT professionals across a broad range of disciplines who need to perform essential Linux administration tasks including installation, establishing network connectivity, managing physical storage, and basic security administration.

Outline

Module 1 - Linux History and Distributions

Module 2 - Basic Commands and Shell Access

Module 3 - Standard I/O and Pipes

Module 4 - vi/vim Text Editor

Module 5 - Permissions on Linux

Module 6 - Archiving files and OpenSSH

Module 7 - Installation of Linux Operating System

Module 8 - Linux File System Structure

Module 9 - Service Management

Module 10 - Account Management

Module 11 - Process Management

Module 12 - Software Management

Module 13 - System Log Files

Prerequisites

There are no prerequisites for this course.