

LINUX SERVER ADMINISTRATION

Linux The leading open source platform for modern data centers. Linux® delivers military-grade security, 99.999% uptime, support for business-critical workloads, and so much more. It's just 1 reason why more than 90% of Fortune Global 500 companies use Linux products and solutions. Business-critical applications need a platform that is proven to be stable. Linux Server fulfills core operating system functions and includes additional capabilities that provide a firm foundation for application infrastructure.

LINUX System Administration I

Course Outline

Unit 1: Accessing the Command Line

Unit 2: Managing Files From The Command Line

Unit 3: Getting Help in Linux

Unit 4: Creating, Viewing and Editing Text Files

Unit 5: Manage Local Linux Users And Groups

Unit 6: Controlling Access to Files With Linux File-system

Unit 7: Monitoring And Managing Linux Processes

Unit 8: Controlling Services and Daemons

Unit 9: Configuring And Securing Open-ssh Service

Unit 10: Analyzing And Storing Logs

Unit 11: Managing Linux Networking

Unit 12: Archiving and Copying Files between Systems

Unit 13: Installing and Updating Software Packages

Unit 14: Accessing Linux File-systems

Unit 15: Using Virtualized Systems

Unit 16: Accessing the Command Line



LINUX System Administration II

Course Outline

- Unit 1: Automating Installation with Kickstart**
- Unit 2: Using Regular Expressions with “grep”**
- Unit 3: Creating and Editing Text files with vim**
- Unit 4: Scheduling Future Linux Tasks**
- Unit 5: Managing Priority of Linux Processes**
- Unit 6: Controlling Access to Files with Access Control Lists (ACL)**
- Unit 7: Managing SELinux Security**
- Unit 8: Connecting to Network-Defined Users and Groups**
- Unit 9: Adding Disks, Partitions, and File Systems to a Linux System**
- Unit 10: Managing Logical Volume Management (LVM) Storage**
- Unit 11: Accessing Network Attached Storage with Network File System (NFS)**
- Unit 12: Accessing Network Storage with SMB**
- Unit 13: Controlling and Troubleshooting the Linux**
- Unit 14: Limiting Network Communication with Firewall**

LINUX System Administration III

Course Outline

- Unit 1: Controlling Services and Daemons**
- Unit 2: Managing IPV6 Networking**
- Unit 3: Configuring Link Aggregation and Bridging**
- Unit 4: Network Port Security**
- Unit 5: Managing DNS for Servers**
- Unit 6: Configuring Email Transmission**
- Unit 7: Providing Remote Block Storage**
- Unit 8: Providing File Based Storage**
- Unit 9: Configuring MariaDB Databases**
- Unit 10: Providing Apache HTTPD Web Service**
- Unit 11: Writing Bash Scripts**
- Unit 12: Bash Conditionals and Control Structures**
- Unit 13: Configuring the Shell Environment**
- Unit 14: Linux Containers and Docker**

