Certificate Course in Linux Administration (RHCE-7)

Course Objective

This Course aims at preparing participants to Install, Configure, Troubleshoot, Secure, Administer and Maintain Red Hat Enterprise Linux based networks. It also aims at preparing participants for RHCE Certification Exam conducted by Redhat .

Course Outcomes

On completion of this course the participants will be able to:

- Understand Linux ideas and history, Usage basics, Browsing the file system, Users, groups and Permissions
- Using & Configuring the bash shell, Standard I/O and pipes
- Test processing tools, Vim: An advanced test editor
- Basic system configuration tools Investigating and managing processes
- Finding & processing files, System services, user administration, file system management
- Network configuration, Installation kick start, Virtualization with Xen, Troubleshooting
- Network resource access controls, Organizing networked systems, Network file sharing services
- Web services, Electronic mail services, Securing data account management

Target Audience

This course is designed for Professionals, Fresher's and Students who want to learn and preparing for RHEL – Redhat System Administration Certifications, Professionals moving from Microsoft Windows platform to Linux Environment.

Teaching Methodology

This course is based on theoretical lessons and delivered in a Classroom atmosphere.

Prerequisites

Graduates / Engineers / Diploma holders with basic Knowledge of how Linux works and how to fix user level problems and back end issues

Duration : 08 Weeks (5 days a week , 6 - 8 hours per day)

Batch 1 – 08-01-2018 to 03-03-2018

Course Outline

- **Red Hat Linux Essentials**
  - Overview of UNIX History, UNIX Principles, GNU Project / FSF, GPL - GNU General, Public License, Linux Origins, Why Linux
  - Get started with Gnome Graphical Desktop, Get Help in graphical environment
  - Get started with bash, Manage physical storage, Manage logical volumes, Monitor system resources, Manage system software
  - Get help in a textual environment, Establish network connectivity, Administer users and groups
  - Manage files from the command line, Secure Linux file access, Administer remote systems, Configure general services
  - Manage physical storage, Install Linux graphically, Managing Virtual Machines, Control the boot process
  - Deploy file sharing services, secure network services.

- **Red Hat Linux System Administration**
  - Automated installation of Red Hat, Enterprise Linux, Accessing the command-line, Intermediate command-line tools
  - Regular expression, pipelines & I/O redirection, Network Configuration & Troubleshooting

  - Managing simple partitions & file systems, Managing flexible storage with logical volume manager, Accessing network file sharing services
  - Managing user accounts, Network user accounts with LDAP, Controlling access to files
  - Managing SELinux, Installing abd managing software, Analyzing and storing logs, Managing processes, Tuning & maintaining the kernel, System recovery techniques

- **Red Hat Network Services and Security Administration**
  - Getting started with the classroom environment, Enhance user security, Bash scripting & tools, File security with GnuPG, Package management
  - Network monitoring, Advanced network configuration, Secure network traffic, NTP Server Configuration, System monitoring and logs
  - Centralized and secure storage, SSL encapsulated web services, Web server additional configuration, Basic SMTP configuration
  - File sharing with NFS, Caching-only DNS server, File sharing with CIFS, File sharing with FTP, Troubleshooting the boot process.

For more details and procedure to apply for scholarship : **http://www.utltraining.com/itec-scaap/**