



Linux Learning Centre

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Training & Certification

Programmes at LLC

LLC102: Essentials of Linux OS
LLC103: Linux System & Network Administration
LLC203: Linux Advanced Administration
LLC303: Linux System & Network Monitoring Tools
LLC104: Linux Internals & Programming Essentials
LLC105: Programming with Qt
LLC106: Device Driver Programming on Linux
LLC107: Network Programming on Linux
LLC108: Bash Shell Scripting Essentials
LLC109: CVS on Linux
LLC204: MySQL on Linux
LLC205: Programming with PHP
LLC206: Programming with Perl
LLC207: Programming with Python
LLC208: PostgreSQL on Linux
LLC209: Joomla CMS
LLC403: Qmail Server Administration
LLC404: Postfix Mail Server Administration
LLC405: Linux Firewall Solutions
LLC406: Open LDAP Server Administration
LLC408: Samba Server Administration
LLC409: DNS Administration
LLC410: Nagios - System & Network Monitoring Software
LLC412: Apache & Secure Web Server Administration
LLC501: Programming with OpenGL
LLC504: Linux on Embedded Systems
LLC602: Linux Apache MySQL & PHP (LAMP)
RH033: Red Hat Linux Essentials
RH133: Red Hat Linux System Administration
RH253: Red Hat Linux Network & Security Administration
RH301: Red Hat Rapid Track Certification Course
RHS333: Red Hat Enterprise Security : Network Services
RH423: Red Hat Enterprise Directory Services & Authentication
RHS429: Red Hat Enterprise SELinux Policy Administration
RH401: Red Hat Enterprise Deployment & Systems Management
RH436: Red Hat Enterprise Clustering & Storage Management
RH442: Red Hat Enterprise System Monitoring & Performance Tuning
RH142: Linux Troubleshooting Techniques & Tools
RH184: Red Hat Enterprise Linux Virtualization
SUSE3071: SUSE Linux Enterprise Server Fundamentals
SUSE3072: SUSE Linux Enterprise Server Administration
SUSE3073: SUSE Linux Enterprise Server Advanced Administration

Red Hat Linux Essentials

Course Overview

For persons who have no command-line experience in Linux or UNIX and want to develop skills for using and customizing their own Red Hat Linux workstation.

Pre-Requisites

User-level experience with any computer system, including: use of mouse, use of menus and use of any graphical user interface.

Target Audience

IT professionals who want to build user-level skills before learning Linux System and Network Administration.

Course Material

The official courseware from Red Hat will be provided during the training.

Post Training Support

Candidates can clarify any doubts on the topics covered in the course over email for a period of 30 days after the conclusion of the course.

Duration

Four Days: 10 am - 5.30 pm

Course Fee

Rs. 6,000/- (plus 10.3% service tax)

Mode of Payment

The course fee has to be paid completely in advance by cash / Credit-Debit Card / Cheque / Demand Draft payable in Bangalore City in favour of "Linux Learning Centre Private Limited". The registration can be forwarded along with the payment by hand or by courier.

Course Outline

- Linux Usage Basics
 - Starting X from the Console
 - Changing your Password
 - The root User
 - Elevating your Privileges
- Running Commands and Getting Help
 - Reading Usage Summaries
 - man, info and whatis Commands
- Browsing the Filesystem
 - Linux File Hierarchy Concepts
 - Current Working Directory File & Directory Names
 - Absolute and Relative Pathnames
 - Create, remove, change, list, copy, move Files and Directories
 - Using Nautilus
 - Determining File Content, Viewing Files
- Using the bash Shell
 - bash Introduction History and Features
 - Command Line Shortcuts and Editing Tricks
 - Command Line Expansion
 - gnome-terminal
- Standard I/O and Pipes
 - Standard Input and Output, Pipes To Connect Processes
 - Overwriting vs Appending
 - Redirecting Both Standard Output and Error
- Text Processing Tools
 - Tools for Extracting, Analysing and Manipulating Text
 - Special Characters for Matching Text
- Basic System Configuration
 - Configuring Date and Time
 - Configuring Printers, Network
 - System Logs
- vi and vim
 - Opening, Modifying, Saving Files and Undoing Changes
 - Using Command Mode
 - Visual Mode
 - Splitting the Screen
 - Configuring vi and vim
- Configuring the bash Shell
 - bash Variables, Environment Variables and Aliases
 - Configuration and Information Variables
 - Variable Expansion, Protecting Against Variable Expansion
 - Types of Shells, bash Startup and Exit Scripts
 - Using Variables in Shell Scripts
- Finding and Processing Files
 - The locate and find Commands, Basic find Examples
 - find and Logical Operators, find & Permissions
 - find and Numeric Criteria, find & Access Times
 - Executing Commands with find and Gnome Search Tool
- Network Applications
 - Firefox, Evolution, E-mail Clients and Web Browsers
 - Email, Encryption, and Digital Signatures
 - The Gaim Messaging System
 - Encrypted Communications with ssh and scp
 - telnet and the "r" services, FTP Clients
 - Connecting to Windows Disk Shares
 - File Transfer with Nautilus
 - Network Diagnostic Tools
- Managing Users, Groups, and Permissions
 - The Linux Security Model
 - Users and Groups, Permission Types
 - Examining & Changing Permissions
 - Changing Permissions Using Nautilus
- Advanced Topics in Users, Groups & Permissions
 - System Users and Groups
 - The /etc/passwd, /etc/shadow, and /etc/group files
 - Changing Your Identity
 - User Information Commands
 - Default Permissions, Special Permissions
- The Linux Filesystem In-Depth
 - Partitions, Filesystems and Checking Free Space
 - cp, mv, rm, and inodes
 - Symbolic Links and Hard Links
 - The Seven Fundamental Filetypes
 - Mounting CDs, DVDs, USB Media, & Floppy Disks
 - Creating, Inspecting, & Extracting Files From File Archives
 - Compression Utilities, Compressing Archives
- Investigating and Managing Processes
 - Process States, Viewing Processes and Nice Values
 - Sending Signals to Processes, Terminating
 - Foreground and Background Process
 - at, crontab Listing and Scheduling Jobs
- Essential System Administration Tools
 - Installation
 - Managing Services, Managing Packages
 - Securing the System.