Red Hat Linux Essentials

Linux Learning Centre

H.O.& Corporate Training Centre
635, 6th Main Road
Hanumanthnagar
Bangalore 560019, INDIA
Tel: +91-80-22428538 / 26610999
TelFax: +91-80-26600839
Cell: +91-9845057731 / 9449857731

LLC Satellite Centre
1291, 24th Cross, 30th Main
Banashankari 2nd Stage
Bangalore-560070
Tel: +91-80- 26712928

Email: info@linuxlearningcentre.com
www.linuxlearningcentre.com

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 Ideas and History
  - Explain the nature of open source software
  - Discuss the origins of Linux
  - List the Red Hat operating system distributions
  - Explain basic Linux principles
- Linux Usage Basics
  - Log into a Red Hat Enterprise Linux System
  - Start X from a console
  - Access the command line from X
  - Change your password
  - Understand the nature of root privileges
  - Elevate your privileges
  - Edit plain text files
- Running Commands and Getting Help
  - Execute commands at the prompt
  - Explain the purpose and usage of some simple commands
  - Use the built-in help resources in Red Hat Enterprise Linux
- Browsing the Filesystem
  - Describe important elements of the filesystem hierarchy
  - Copy, move and remove files
  - Create and view files
  - Manage files with Nautilus
- Users, Groups and Permissions
  - Explain the Linux security model
  - Explain the purpose of user and group accounts
  - Read and set file permissions
- Using the bash Shell
  - Use command-line shortcuts
  - Use command-line expansion
  - Use history and editing tricks
  - Use the gnome-terminal
  - Write simple shell scripts
  - Set and reference shell variables
- Standard I/O and Pipes
  - Redirect I/O channels to files
  - Connect commands using pipes
  - Use the for loops to iterate over sets of values
- Text Processing Tools
  - Use tools for extracting, analyzing and manipulating text date
- vim: An Advanced Text Editor
  - Use the three primary modes of vi and vim
  - Navigate text and enter Insert mode
  - Change, delete, yank and put text
  - Undo changes
  - Search a document
  - Save and exit
- Investigating and Managing Processes
  - Explain what a process is
  - Describe how to manage processes
  - Use job control tools
  - Schedule recurring jobs
  - Employ decision making constructs in shell scripts
- Basic System Configuration Tools
  - Configure the network
  - Configure and send text to a printer
  - Set the system's date and time
  - Schedule time-delayed tasks
  - Schedule recurring tasks
  - Know how to handle input with the read command and positional parameters
- Finding and Processing Files
  - Use locate
  - Use find
  - Use the Gnome Search tool
- Network Clients
  - Browse the web
  - Exchange email and instant messages
  - Access a Linux system remotely
  - Transfer files between systems
  - Use network diagnostic tools
- Advanced Topics in Users, Groups and Permissions
  - Describe where Linux stores user, group and password information
  - Set default permissions
  - Use special permissions
- 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
- The Linux Filesystem In-Depth
  - Describe how filesystem information is organized
  - Describe the function of dentries and inodes
  - Describe how cp, mv and rm work at the inode level
  - Create Symbolic links and hard links
  - Access removable media
  - Create archives using tar and gzip

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
LLC210: Drupal 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
LLC414: Web Proxy Solutions
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