

TechnoMaster

Red Hat

Duration: 40 Hrs (Changeable) | Fees: Individual / Batch

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Syllabus Contd..

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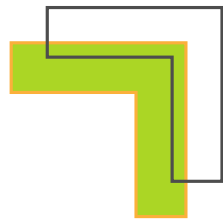
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Syllabus



- * MODULE 1

- * Basic system configuration

- * Getting started

- * The basic configuration of the environment

- * Configuring and inspecting network access

- * The basics of registering the system and managing subscription

- * Installing software

firewall, SELinux, and SSH services start at boot time enhancing system security with a

- * The basics of managing the user account

- * Dumping the crashed kernel using the KDUMP mechanism

- * Performing system reuse and creating g backup with rear

- * Using the log files to troubleshoot problems

- * Accessing red hat support

- * MODULE 2

- * System locale and keyboard configuration

- * Setting the system locale

- * Changing the keyboard layout

- * Additional resources

- * MODULE 3

- * Configuring the date and time

- * Using the time DATECTL command

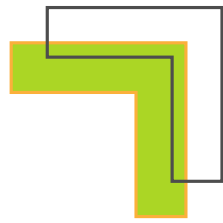
- * Using the date command

- * Using the hwclock command



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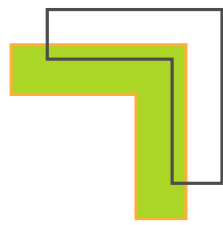


- * MODULE 4
- * Managing users and groups
- * Introduction to users and groups
- * Using command-line tools
- * MODULE 5
- * Access control lists
- * Mounting file systems
- * NFS
- * Setting access ACLS
- * Setting default ACLs
- * Retrieving ACLS
- * Archiving file systems with ACLS
- * Compatibility with older systems
- * ACL references
- * MODULE 6
- * Gaining privileges
- * Configuring administrative access using the SU utility
- * Configuring administrative access using the SUDO utility
- * MODULE 7
- * Registering the system and managing subscriptions
- * Registering the system and attaching subscriptions
- * Managing software repositories



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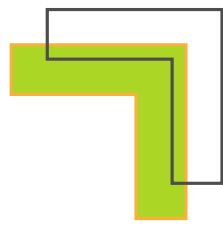


- * Removing subscriptions
- * MODULE 8
- * Accessing support using the red hat support tool
- * Installing the red hat support tool
- * Registering the red hat support tool using the command line
- * Using the red hat support tool in interactive shell mode
- * Configuring the red hat support tool
- * Opening and updating support cases using interactive mode
- * Viewing support cases on the command line
- * MODULE 9
- * Yum
- * Checking for and updating packages
- * Working with packages
- * Working with package groups
- * Working with transaction history
- * Configuring yum and yum repositories
- * Yum plug-ins
- yum-cron * Automatically refreshing package database and downloading updates with
- * MODULE 10
- * Managing server with system
- * Introduction to systems
- * Managing system services



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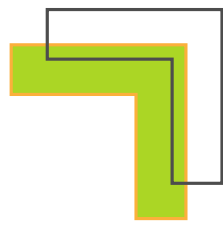


- * Working with systems targets
- * Shutting down, suspending, and hibernating the system
- * Controlling system on a remote machine
- * Creating and modifying system unit files
- * Additional considerations while managing services
- * MODULE 11
- * Configuring a system for accessibility
- * Configuring the bratty service
- * Switch on always show universal access menu
- * Enabling the festival speech synthesis system
- * MODULE 12
- * Open SSH
- * The SSH protocol
- * Configuring Open SSH
- * Open SSH clients
- * More than a secure shell
- * MODULE 13
- * Tiger VNC
- * VNC server
- * Sharing an existing desktop
- * VNC viewer
- * MODULE 14



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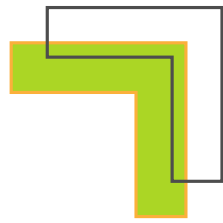


- * Web servers
- * The Apache HTTP server
- * MODULE 15
- * Mail servers
- * Email protocols
- * Email program classifications
- * Mail transport agents
- * Mail delivery agents
- * Mail user agents
- * Configuring mail server with ant spam and antivirus
- * MODULE 16
- * Files and print servers
- * Samba
- * Ftp
- * Print settings
- * MODULE 17
- * Database servers
- * Maria dB
- * MODULE 18
- * Configuring NTP Using the chrony Suite
- * Introduction to the chrony suite
- * Understanding chronic and its configuration



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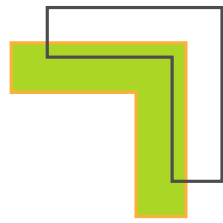


- * Using chrony
- * Setting up chrony for different environments
- * Using chroniconic
- * Chrony with hw time stamping
- * MODULE 19
- * Configuring NTP Using NTPD
- * Introduction to NTP
- * NTP strata
- * Understanding NTP
- * Understanding the drift file
- * Utc, timezones, and DST
- * Authentication options for NTP
- * Managing the time on virtual machines
- * Understanding leap seconds
- * Understanding the NTPD configuration file
- * Understanding the NTPD sysconfig file
- * Disabling chroniconic
- * Checking if the NTP daemon is installed
- * Installing the NTP daemon (NTPD)
- * Checking the status of NTP
- * Configure the firewall to allow incoming NTP packets
- * Configure NTP date servers



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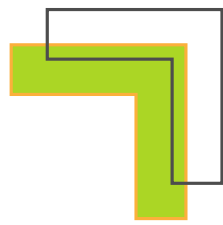


- * Configure NTP
- * Configuring the hardware clock update
- * Configuring clock sources
- * MODULE 20
- * Configuring PTP using ptp4l
- * Introduction to PTP
- * Using PTP
- * Using PTP with multiple interfaces
- * Specifying a configuration file
- * Using the PTP management client
- * Synchronizing the clocks
- * Verifying time synchronization
- * Serving PTP Time with NTP
- * Serving NTP time with PTP
- * Synchronize to PTP or NTP time using time master
- * Improving accuracy
- * MODULE 21
- * System monitoring tools
- * Viewing system processes
- * Viewing memory usage
- * Viewing block devices and file systems
- * Viewing hardware information



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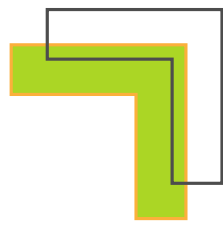


- * Checking for hardware errors
- * Monitoring performance with net-SNMP
- * MODULE 22
- * Open NLMI
- * About open NLMI
- * Installing open NLMI
- * Configuring SSL certificates for open Pegasus
- * Using Imishell
- * Using open NLMI scripts
- * MODULE 23
- * Viewing and managing log files
- * Locating log files
- * The basic configuration of rsyslog
- * Using the new configuration format
- * Working with queues in rsyslog
- * Configuring Syslog on a logging server
- * Using rsyslog modules
- * Interaction of rsyslog and journal
- * Structured logging with Syslog
- * Debugging rsyslog
- * Using the journal
- * Managing log files in a graphical environment



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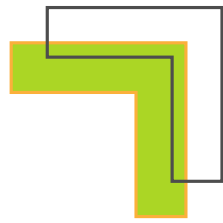


- * MODULE 24
- * Automating system tasks
- * Scheduling a recurring job using cron
- * Scheduling a recurring asynchronous job using anacron
- * Scheduling a job to run at a specific time using at
- * Scheduling a job to run on system load drop using batch
- * Scheduling a job to run on the next boot using a systemd unit file
- * MODULE 25
- * Automatic bug reporting tools
- * Introduction to ABRT
- * Installing ABRT and starting its services
- * Configuring ABRT
- * Detecting software problems
- * Handling detected problems
- * MODULE 26
- * Working with grub2
- * Introduction to grub 2
- * Configuring grub 2
- * Making temporary changes to a grub 2 menu
- * Making persistent changes to a grub 2 menu using the grubby tool
- * Customizing the grub 2 configuration file
- * Protecting grub 2 with a password



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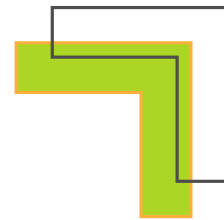


- * Reinstalling grub 2
- * Upgrading from grub-legacy to grub 2
- * Grub 2 over a serial console
- * Terminal menu editing during boot
- * Unified extensible firmware interface (UEFI) secure boot
- * MODULE 27
- * Relax and recover
- * Basic rear usage
- * Integrating rear with backup software
- * MODULE 28
- * Choosing a suitable red hat product
- * MODULE 29
- * Red hat customer portal labs relevant to system administration
- * Iscsi Helper
- * NTP Configuration
- * Samba Configuration Helper
- * VNC Configurator
- * Bridge Configuration
- * Network Bonding Helper
- * LVM RAID Calculator
- * NFS Helper
- * Load Balancer Configuration Tool



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- * Yum Repository Configuration Helper
- * File System Layout Calculator
- * RHEL Backup and Restore Assistant
- * DNS Helper
- * AD Integration Helper (Samba FS - winbind)
- * Red Hat Enterprise Linux Upgrade Helper
- * Registration Assistant
- * Rescue Mode Assistant
- * Kernel Oops Analyzer
- * Kdump Helper
- * SCSI decoder
- * Red Hat Memory Analyzer
- * Multipath Helper
- * Multipath Configuration Visualizer
- * Red Hat I/O Usage Visualizer
- * Storage / LVM configuration viewer