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LINUX

Quick Contact



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Introduction to Red Hat Enterprise Linux

- GNU
- Linux
- RHEL

Introduction to GNU/Linux

- GNU Tools and Utilities
- Linux Kernels
- GNU/Linux Distributions

Installing Red Hat Enterprise Linux

- Installation Options
- Server Install
- Workstation Install
- CD Install
- Kickstart Install
- Network Install
- Customizing the Install

Booting Red Hat Enterprise Linux

- Firmware Phase
- Boot Loader Phase
- Kernel Phase
- Kernel Boot Parameters





- init Phase

Automating Programs

- Run Levels
- /etc/rc.d Files
- Customization of Run Levels
- cron and anacron
- at and batch

Login Options

- Console Logon
- Controlling Console Login
- Virtual Consoles
- Serial Login
- Remote Login
- ssh Login

Building a Custom Linux Kernel

- Kernel Versions
- Kernel Source Files
- Kernel Patch Files
- Kernel Configuration
- Kernel Building
- Testing a New Kernel





- The GNU/Linux Filesystem
- Partition Types
- Filesystem Types
- Mounting
- Automount
- File Types
- File Security

Key Filesystem Locations

- Boot Files
- User Files
- Administrator Files
- Configuration Files
- Log Files

The /proc Pseudo Filesystem

- Process Info
- Kernel Config Info
- Hardware Info
- Changing /proc Info
- Sysctl

BASH – Borne Again Shell

- Key /bin Commands





- Key /sbin Commands
- History
- man and info
- vi
- Using Shell Scripts

User Management

- Users and Groups
- Home Directories
- Password Files
- PAM
- Quotas
- NIS Intro

Software Management

- tar Files
- Patch Files
- RPM

Hardware Management

- Types of Devices
- /dev Namespace
- Modules





Network Management

- Types of Network Devices
- Monitoring Network Devices
- Controlling Network Services
- xinetd
- Iptables

Network Services – Part I

- DHCP
- DNS
- SSH

Network Services – Part II

- FTP
- NFS
- Samba

Network Services – Part III

- Sendmail
- Apache
- Squid Proxy Server
- The X Window System
- X Servers and X Clients
- XFree86 & X Fonts & GTK and KDE





Assessments

- Objective Assessments

- Syntactical based

- Scenario based

Note: At least 2 objective based assessments in each module

- Hands On – Practical Assessments

- Scenario based

Note: At least 2 Hands on assessments in each module

Assignments

- Hands On – Practical Assignments

Note: At least 4 Hands on assignments in each module

Tasks – Home Work

- Regular tasks on each module

Note: Tasks are focused more to improve self learning

Resume Support & Interview Preparation

- Work on one or two mini projects

- Discuss and convert the current working project into Linux based project to add in resume & to explain Linux experience in interviews

