



Linux Basics

Course Summary

Understanding and Learning

- The Structure of the Linux Operating System
- Linux File System
- Links and Permission
- User Administration
- Process Management
- Vi Editor and Utilities
- NFS and CIFS File Sharing

Duration

5 days

Objectives



- Understanding and Learning
 - The Structure of the Linux Operating System
 - Linux File System
 - Links and Permission
 - User Administration
 - Process Management
 - Vi Editor and Utilities
 - NFS and CIFS File Sharing

Audience

System administrators and end users who are new to the Linux OS.

Pre-Requisites

Before attending this class, the student should:

- Have knowledge on Operating system basics.

Outline

Day1:



Introduction to Linux Operating System

- Unix History
- Structure of Unix system
- Shells and Kernel
- Types of Shells
- Login Process
- Basic Commands
- Lab

File System

- File Types
- Inode
- File Operations
- Directory Operations
- File System Hierarchy
- Lab

Day2:

Links and Permission

- Link Files
- File Permission
- Symbolic method
- Octal method
- Default Permission
- Special Permission
- Lab



Shell Basics

- Meta Characters
- Input Output Redirection
- Pipes
- Lab

Day3:

User administration

- Creating User account
- Modifying User account
- Deleting User account
- Lab

Vi Editor

- Lab

Day4:

Process Management

- Process Creation
- Variables
- Signals
- Job Control
- Lab

Linux Utilities

- File Processing Utility
- Text Processing Utility
- Regular Expressions
- Lab

Day5:

File Sharing with NFS



- File Sharing with CIFS
 - Lab

Lab Requirements

- Red Hat Enterprise Linux 5.0/6.0