

Linux basic concepts & installations

Installation in Standalone Machine

Installation through NFS

Installation through FTP

Installation through HTTP

Installation through KICKSTART

File System Management

Creation of File Systems

Understanding EXT2, EXT3& EXT4 File Systems

Converting Ext2 to Ext3 file systems

Reverting back from Ext3 to Ext2 files systems

Understanding fdisk,e2label, mount, umount commands

Understanding fstab and mtab files

TROUBLESHOOTING

User management

Understanding different types of groups and creation of groups

Creation of users in different groups

Understanding Passwd, Shadow Files

Understanding passwd aging

Creation of quotas for users, groups and file systems

Understanding users security files

The different commands for Monitoring the users

TROUBLESHOOTING

Run levels

Understanding the different types of run-levels

Understanding different types of shutdown commands

Understanding run control scripts

Understanding the different types

Network file system (NFS)

Understanding NFS server and NFS clients

Understanding daemons and files in NFS of boot phases

Configuring NFS server and different NFS clients

Configuration of autofs, NFS security

File transfer protocol

Understanding the features and advantages of FTP server

Configuring FTP server and FTP clients

Configuring FTP server for anonymous and real users with download and upload permissions

Configuring FTP user access, FTP security

Understanding FTP Basic Commands

Configuring of anonymous FTP Server

XINETD

Understanding xinetd based and non xinetd based services

Configuring xinetd based services

Xinetd security

TCP WRAPPER

Understanding TCP WRAPPER

Configuring TCP WRAPPER for services

Domain naming service

Understanding DNS service and different types of DNS servers

Configuring DNS (master) DNS (Slave)

Understanding & Configuring forward (DNS) and cache (DNS) of boot phases

Understanding different types of files when the system is booting

TROUBLESHOOTING

Logical volume manager (LVM)

Creation of file systems and converting into LVM

Creation of physical partitions

Creation of volume groups

Creation of logical partitions

Extending the volume group

Extending the logical partitions

Package Manager (RPM)

Understanding the features and advantages of RPM

Installation of RPM packages

Upgradation of RPM

Verification of RPM

Querying, TROUBLESHOOTING

Backup and recovery

Understanding different types of file system backup

Understanding different types of files backups

Understanding different types of file system backups

Understanding different types of dump levels

Understanding monthly, weekly, daily backups

Network information service

Understanding NIS and daemons at NIS (Server, Slave and Clients)

Configuring NIS (master), NIS (slave) and NIS clients in heterogeneous environments

Integrating NIS (master and slave) with NFS Server

Dynamic host configuration protocol

Understanding DHCP

Configuring DHCP server for different DHCP clients

APACHE

Understanding APACHE

Configuring APACHE web server with virtual hosting

Configuring APACHE web server with IP BASED, HOST BASED and PORT BASED

Configuring member logins for APACHE web server

SAMBA

Understanding the features and advantages of SAMBA server

Configuring SAMBA for heterogeneous environment

Sharing the resources between unix to unix using SAMBA

Sharing the resources between windows to unix (vice-versa)

SAMBA security