PRAGATHI TECHNOLOGIES

BTM * MARATHAHALLI * KALYAN NAGAR

Redhat Linux Administration (RH – 134)

1.Automating Installation with Kickstart

- ➢ Defining the Anaconda Kickstart System
- ➢ Practice : Kickstart File Syntax and Modification
- ➢ Deploying a New Virtual System with Kickstart
- ➢ Practice : Installing a System Using Kickstart
- ➢ Chapter Test : Automating Installation with Kickstart

2. Using Regular Expression with grep

- ➢ Regular Expression Fundamentals
- ➢ Practice : Match the Regular Expression
- ➢ Matching Text with **grep**
- ➢ Practice : Using **grep** with Logs
- ➢ Lab : Using Regular Expressions with grep

3. Creating and Editing Text Files with vim

- ➢ The vim Text Editor
- ➢ Practice : vim Modes
- ➢ Basic **vim** Workflow
- ➢ Practice : Basic vim Workflow
- ➢ Editing with vim
- ➢ Practice : Edit a File with vim
- ➢ Lab : Edit a System File with vim

4. Scheduling Future Linux Tasks

- ➢ Scheduling One-Time Tasks with at
- ➢ Practice : Scheduling One-Time Tasks with at
- ➢ Scheduling Recurring Jobs with cron
- ➢ Practice : Scheduling Recurring Jobs with cron
- ➢ Scheduling System cron Jobs

- ➢ Practice : Scheduling System cron Jobs
- ➢ Managing Temporary Files
- ➢ Practice : Managing Temporary Files
- ➢ Chapter Test : Scheduling Future Linux Tasks

5. Managing Priority of Linux Processes

- ➢ Process Priority and "nice" Concepts
- ➢ Practice : Process Priority and "nice" Concepts
- ➢ Using nice and renice to Influence Process Priority
- ➢ Practice : Discovering Process Priorities
- ➢ Lab : Managing Priority of Linux Processes

6. Controlling Access to Files with Access Control Lists (ACLs)

- ➢ POSIX Access Control Lists (ACLs)
- ➢ Practice : Interpret ACLs
- ➢ Securing Files with ACLs
- ➢ Practice : Using ACLs to Grant and Limit Access
- ➢ Lab : Controlling Access to Files with Access Control Lists (ACLs)

7. Managing SE Linux Security

- ➢ Enabling and Monitoring Security Enhanced Linux (SE Linux)
- ➢ Practice : SE Linux Concepts
- ➢ Changing SE Linux Modes
- ➢ Practice : Changing SE Linux Modes
- ➢ Changing SE Linux Contexts
- ➢ Practice : Changing SE Linux Contexts
- ➢ Changing SE Linux Booleans
- ➢ Practice : Changing SE Linux Booleans
- ➢ Troubleshooting SE Linux
- ➢ Practice : Troubleshooting SE Linux
- ➢ Lab : Managing SE Linux Security

8. Connecting to Network –defined Users and Groups

- ➢ Using Identity Management Services
- ➢ Practice : Connecting to a Central LDAP and Kerberos Server
- ➢ Lab : Connecting to Network-defined Users and Groups

9. Adding Disks, Partitions, and File System to a Linux System

- Adding Partitions, File Systems, and Persistent Mounts
- Practice : Adding Partitions, File Systems, and Persistent Mounts
- Managing Swap Space
- Practice : Adding and Enabling Swap Space
- Lab : Adding Disks, Partitions, and File Systems to a Linux System

10. Managing Logical Volume Management (LVM) Storage

- Logical Volume Management Concepts
- Practice : Logical Volume Management Concepts
- Managing Logical Volumes
- Practice : Adding a Logical Volume
- Extending Logical Volumes
- Practice : Extending a Logical Volume
- Lab : Managing Logical Volume Management (LVM) Storage

11. Accessing Network Storage with Network File System (NFS)

- Mounting Network Storage with NFS
- Practice : Mounting and Unmounting NFS
- Auto mounting Network Storage with NFS
- Practice : Auto mounting NFS
- Lab : Accessing Network Storage with Network File System (NFS)

12. Accessing Network Storage with SMB

- Accessing Network Storage with SMB
- Practice : Mounting a SMB File System
- Lab : Accessing Network Storage with SMB

13. Controlling and Troubleshooting the Red Hat Enterprise Linux Boot Process

- The Red Hat Enterprise Linux Boot Process
- Practice : Selecting a Boot Target
- Repairing Common Boot Issues
- Practice : Resetting a Lost root Password
- Repairing File System Issues at Boot
- Practice : Repairing Boot Problems
- Repairing Boot Loader Issues
- Practice : Repairing a Boot Loader Problem

14. Limiting Network Communication with firewalld

- ➢ Limiting Network Communication
- ➢ Practice : Limiting Network Communication
- ➢ Lab : Limiting Network Communication