iTRAINU TECHNOLOGIES

Red Hat Enterprise Linux 8 – RHCE Syllabus (Servers with Ansible)

redhat

LINUX SERVERS

NFS
- Configuring NFS server
- Mounting NFS exports on NFS clients

Dynamic Host Configuration Protocol (DHCP)
- Configuring Linux as DHCP Server
- Configuring various clients for DHCP Server (Windows & Linux)

DNS Server
- Configuration of DNS server
- Configuration of primary DNS server
- Configuration of forward lookup zone
- Configuration of reverse lookup zone
- Testing tool of DNS zones
- Adding Services in DNS

Mail Server (SMTP, POP3, IMAP)
- Basics of Mail Servers
- Configuring SMTP service using Postfix
- Configuring POP3 / IMAP service on Linux

Web Server (Apache)
- Basics of Web Service
- Introduction to Apache
- Configuring Apache for main site
- Configuring HTTPS Clients.
- Configuring Apache for multiple sites using IP-based, port- based and name-based virtual hosting

FTP Server (vsftp daemon)
- Basics of files Transfer Protocol
- Configuring vsftpd for anonymous ftp service

RAID (Redundant Array of InExpensive Disks) & Logical Volume Manager
- Implementing RAID on Linux
- RAID levels(0, 1 and 5) configuration using RAID Tools
- Resizing the Partition using LVM

LDAP Server
- Introduction of LDAP.
- Structure of LDAP Schema & Features
- Comparison between NIS & LDAP.
- Configuring LDAP Server Creating of LDAP Domain Database.

Samba Service
- Basics of file sharing in Windows
- Configuring Samba service for file sharing with windows systems

Web based Administration
- Installing Webmin on Linux
- Administrating Linux machine remotely
- Using Webmin as a tool for configuring various services on Linux

Call or Whatsapp on
+91-76111 75111

Address - 203, 2nd floor, Orange Business Park,
Near Apple Hospital, Bhavarkuan, Indore (M.P.)

www.itrainu.in
info@itrainu.in

RH294 - Red Hat System Administration III

- **Introduce Ansible**
- Describe Ansible concepts and install Red Hat Ansible Engine.

- **Deploy Ansible**
- Configure Ansible to manage hosts and run ad hoc Ansible commands.

- **Implement playbooks**
- Write a simple Ansible Playbook and run it to automate tasks on multiple managed hosts.

- **Manage variables and facts**
- Write playbooks that use variables to simplify management of the playbook and facts to reference information about managed hosts.

- **Implement task control**
- Manage task control, handlers, and task errors in Ansible Playbooks.

Deploy files to managed hosts

- Deploy, manage, and adjust files on hosts managed by Ansible.

- **Manage large projects**
- Write playbooks that are optimized for larger, more complex projects.

- **Simplify playbooks with roles**
- Use Ansible roles to develop playbooks more quickly and to reuse Ansible code.

- **Troubleshoot Ansible**
- Troubleshoot playbooks and managed hosts.

- **Automate Linux administration tasks**
- Automate common Linux system administration tasks with Ansible.