



N+, MCITP, RHCSA and RHCE

(6 Months Module)

NETWORK+ (30 HOURS)

1. INTRODUCTION TO NETWORKING.
2. TYPES OF NETWORKS.
3. TOPPOLOGIES.
4. IP ADDRESSING.
5. IEEE STANDARDS.
6. PROTOCOLS.
7. CABLING.
8. USING THE INTERNET.
9. CREATING EMAIL ID.
10. CCONFIGURING OUTLOOK.
11. INSTALLING THE NETWORK.
12. NETWORKING DEVICES.

MCITP (200 HOURS)

1. INTRODUCTION TO NETWORK OS.
2. INSTALLATION REQUIREMENTS, EDITIONS.
3. INSTALLATION.
4. CONFIGURING BASIC SETTINGS.
5. CONFIGURING NETWORK SETTINGS,
6. REMOTE DESKTOP.
7. REMOTE ASSISTENCE.
8. FILE SERVER.
9. FOLDER QUOTA.
10. FILE SCREENING.
11. DFS
12. FTP
13. FTP DOWNLOADING UPLOADING CLI.
14. DNS
15. DNS CACHING.
16. DNS FORWARDING.
17. DNS ROUND DOBIN SETUP.



18. DHCP
19. DHCP RESERVATION.
20. DHCP WITH SUPERSCOPE.
21. DHCP AUTHORIZATIONS.
22. WEB SERVER IIS 7.0 HTTP.
23. WEB SERVER IIS 7.0 HTTPS.
24. HTTPS REDIRECT.
25. VIRTUAL HOSTING NAME BASED.
26. VIRTUAL HOSTING IP BASED.
27. NAT
28. VPN
29. ROUTING
30. DHCP RELAY.
31. TERMINAL SERVICES.
32. REMOTE APP MANAGEMENT.
33. REMOTE DESKTOPS.
34. MULTIPLE REMOTE HOST ADMINISTRATION.
35. LOCAL NETWORK MASSEGING.
36. PRINT SERVER MANAGEMENT.
37. WINDOWS DEPLOYMENT SERVICES.
38. WSUS
39. NETWORK LOAD BALANCING.
40. HYPER-V
41. NPS
42. DOMAIN INTRO
43. PDC
44. ADC
45. RODC
46. CDC
47. DC USER MANAGEMENT.
48. DC OU MANAGEMENT.
49. BACKUP GUI.
50. BACKUP CLI.
51. DOMAIN USER PROFILS.
52. DOMAIN SITES.
53. DOMAIN TRUSTS.

MODULE 1:- RHCSA: - REDHAT CERTIFIED SYSTEM ADMINISTRATOR (60 HOURS)

1. INTRODUCTION TO LINUX OPERATING SYSTEM.
2. HISTORY OF LINUX AND BASIC MODULES OF LINUX.
3. LINUX VARIANTS AND VERSIONS.
4. PARTITIONING SCHEMA FOR LINUX BASED SYSTEM.
5. FILE SYSTEM ARCHITECTURE OF LINUX.
6. INSTALLATION PROCESS.
7. LINUX GRAPHICAL TERMINALS (GNOME & KDE).
8. UNDERSTANDING BASH CONCEPT.
9. UNDERSTANDING RUN LEVELS.
10. TERMINALS.
11. UNDERSTANDING THE BASIC DIRECTORY ARCHITECTURE.
12. BASIC LINUX COMMANDS.
13. BREAKING LINUX PASSWORD.
14. MODIFYING PARTITION TABLE AND CREATING NEW PARTITION.
15. LINUX FILE SYSTEM FORMATTING.
16. MOUNTING OF EXTERNAL AND INTERNAL DRIVES (TEMPORARY AND PERMANENT).
17. MANAGING LINUX PASSWORDS.
18. ENABLE & DISABLE PASSWORDS AND USERS.
19. CONFIGURING ALIASES.
20. CONFIGURING COMMAND WITH YOUR OWN NAME IN LINUX.
21. FILE COMPRESSION.
22. UNDERSTANDING LINUX PERMISSIONS.
23. CUSTOMIZING LINUX OBJECT ACCESS PERMISSIONS.
24. SETTING UP ACL FOR SPECIFIC OBJECTS.
25. GRUB CONFIGURATION.
26. SETTING UP RAID (REDUNDANT ARRAY OF INEXPENSIVE DISKS)

RHCE MODULE2: REDHAT CERTIFIED ENGINEER (60 HOURS)

27. UNDERSTANDING NETWORK CONFIGURATION.
28. IP CONFIGURATION.
29. FIREWALL CONFIGURATION.
30. INTRO TO SELINUX SECURITY MODULE.
31. SECURE SHELL.
32. CONFIGURING NFS.
33. INSTALLATION OF PACKAGES IN LINUX USING RPM.
34. CONFIGURING VSFTP.
35. CONFIGURING YUM.
36. CONFIGURING DHCP.



37. UNDERSTANDING SAMBA.

38. CONFIGURING BIND (BERKLEYS INTERNET NAMING DOMAIN SERVICE) DNS.

39. CONFIGURING ROUTING (IP FORWARDING).

40. APACHE WEB SERVER.