MTCNA Syllabus

1. Network Fundamentals
2. TCP/IP & OSI Networking Model
3. Same Layer & Adjacent Layer interaction
4. OSI Layer and their functions
5. What is Mikrotik & RouterBoard
6. What are Mikrotik Products
7. First Time Connection To the Mikrotik router
8. Introduction to webfig & quickset
9. Connect to Mikrotik Router via Winbox
10. Connect to Mikrotik Router via SSH & Telnet
11. CLI in Mikrotik
12. Basic Command line syntax in Mikrotik
13. Connect the clients to the internet via Mikrotik router
14. Nat & Pat in Mikrotik
15. Troubleshooting potential problems in Nat
16. RouterOS auto Upgrade & firmware Upgrade
17. Router Identity
18. Managing Router login Users & Groups
19. SSH connection to the Router(advanced)
20. Manage Router services
21. Mikrotik Config Backup & Restore
22. Reset RouterOS
23. Reinstall RouterOS (Netinstall)
24. RouterOS License levels
25. DHCP in Mikrotik
26. ARP in Mikrotik
27. Bridging in Mikrotik
28. Station Bridge

29. Routing in Mikrotik(Static & Dynamic Routing Protocols)
30. Introduction To VPNs
31. PPTP configuration
32. SSTP site to site
33. SSTP client to site
34. Understanding PPPoE
35. Firewalling in Mikrotik
36. Connection Tracking
37. Connection States
38. Protecting the Mikrotik Router
39. DNS Redirecting
40. DNS Manipulation
41. Fasttrack
42. Queues in Mikrotik
43. Configuration of Burst in Mikrotik
44. Introduction to the Tools Available in Mikrotik
45. Ping tool(advanced)
46. Traceroute tool(advanced)
47. Configuration of Email Sender in Mikrotik
48. Introduction to Netwatch
49. Monitoring Tools in Mikrotik
50. Torch & Graphing
51. The Dude
52. Introduction of Wireless in Mikrotik
53. Wireless Terminology
54. Setting Up Wireless on Mikrotik Routers
55. Wireless Station
56. Authentication & Access lists