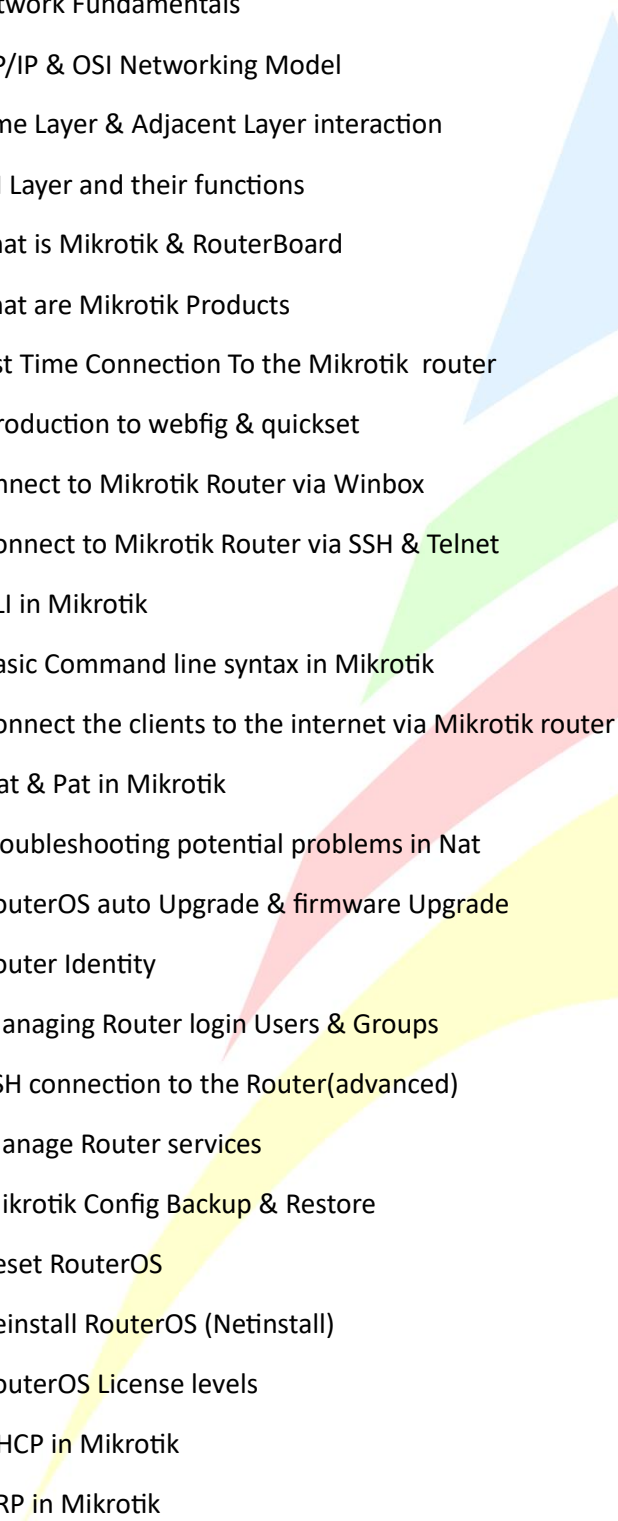


## **MTCNA Syllabus**

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
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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