

Outline of MikroTik Training Programs

MikroTik Certified Network Associate (MTCNA)

- Installing, upgrading, first login to the RouterOS using RouterBOARD
- Creating a simple network
- Static IP addressing and routing, DHCP server and client
- Firewall filters and NAT
- PPP tunnels
- Simple queues
- HotSpot
- Wireless networks
- Web Proxy for URL filtering and caching
- The Dude
- Certification test

MikroTik Certified Routing Engineer (MTCRE)

- Static IP routing
- Tunnels (IPIP, EoIP, VLAN)
- Policy routing
- Route filter
- OSPF
- Routing certification test

MikroTik Certified Wireless Engineer (MTCWE)

- Wireless installation
- Software feature overview
- Wireless mesh, WDS
- Wireless security
- Bridging, STP/RSTP, firewall
- Wireless certification test

MikroTik Certified Traffic Control Engineer (MTCTCE)

- DHCP
- Proxy
- Firewall Extended Features
- QoS (simple queues and queue tree, bursts, queue algorithms, etc.)
- Traffic management certification test

MikroTik Certified User Management Engineer (MTCUME)

- PPP Tunnels
- HotSpot server in depth
- Introduction to User Manager
- User Management certification test

MikroTik Certified Inter-networking Engineer (MTCINE)

Multicast

- Multicast Basics
- PIM-DM and PIM-SM and STP multicast modes
- Multicast in RouterOS
- PIM+STP and IGMP-proxy, differences in use
- multicast limitations
- Practical exercise

BGP

- BGP basics
- iBGP and eBGP
- Practical exercise
- Routing filters
- Fine-tuning BGP

MPLS

- MPLS Basics
- Label distribution protocol (LDP)
- LDP VPLS and BGP based VPLS
- Layer-3 VPNs
- Traffic Engineering
- Practical exercise
- Inter-networking certification test