MikroTik Certified Inter-Networking Engineer

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Online Course

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Course Modules

1. BGP

- What is Autonomous System (AS)
- What is Border Gateway Protocol (BGP)?
- Path Vector algorithm
- BGP Transport and packet types
- iBGP and eBGP
- Stub network scenarios and private AS removal
- Non-stub scenarios
- iBGP and eBGP multi-hop and loopback usage
- Route distribution and routing filters
- BGP best path selection algorithm
- BGP prefix attributes and their usage
- BGP route reflectors and confederations

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2. MPLS

- MPLS basics
- Static label mapping
- Label Distribution Protocol (LDP)
- Penultimate-hop-popping
- MPLS traceroute differences
- LDP based VPLS tunnels
- Bridge split horizon
- VPLS control word (CW) usage
- L2MTU importance and MPLS fragmentation
- BGP based VPLS
- VRF and route leaking
- BGP based layer3 tunnels (L3VPN)
- OSPF as CE-PE protocol

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3. Traffic Engineering

- What is traffic engineering and how it works
- RSVP, static path, dynamic path (CSPF)
- Bandwidth allocation & bandwidth limitation differnces

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The efficiency of online learning in terms of time management, flexibility, and the ability to access resources anytime, anywhere can be compelling.

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