

MTCRE (MikroTik Certified Routing Engineer)

Course Description:

MTCRE is a course to understand Mikrotik RouterOS Routing features and Routing concepts deeply. By the end of this training session, the studentwill be able to plan, implement and debug routed Mikrotik RouterOS network configurations.

Modes of Trainings Available:

Online Training
Class Room Training
Regular Classes Available
Weekend Classes Available

Course Outline

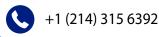
Static Routing:

ECMP

How to force gateway over specific interface Gateway reachability check and route distance Routing mark and route policy Recursive next-hop and scope/target-scope usage

What is VPN?

Different types of VPN
Site to site connectivity with tunnels
IPIP, EoIP, PPTP, SSTP, L2TP, PPPoE
VLAN and it's usage
QinQ implementation
VLAN and managed switch
VLAN and switch chip configuration on RouterBOARD







What is OSPF?

How OSPF protocol works Hello protocol Database distribution and LSA types explained **OSPF** network structure **Areas** Router types OSPF neighbors and neighbor states (DR and BDR election) External Route Distribution methods (type1, type2) Interface cost and interface types (broadcast, NBMA, etc.) SPT calculation algorithm

Stub, NSSA and area ranges (route aggregation) Virtual links, usage and limitations

OSPF and multicast (problems with NBMA)

OSPF routing filters and limitations

