MTCNA

Course Name:	MTCNA
Course Duration:	40 hours
Requirements:	Network+
Who Should Take This Course:	Network engineers

Syllabus Course

MikroTik RouterOS Introduction

First time accessing the router + LAB

Setup Internet connection via router + LAB

TCP/IP Basics

Upgrade RouterOS + LAB

Manage RouterOS logins + LAB

Manage RouterOS services

Backup and export

and import configuration + LAB

RouterOS license

NTP client configuration

Netinstall + LAB

MikroTik RouterOS Firewall

Firewall principles

Firewall Filter in action

RouterOS connection tracking

Basic Address-List + LAB

Source NAT

Destination NAT

NAT limitations

MikroTik RouterOS QoS

Simple Queue + LAB

Traffic Prioritization + LAB

Simple Mangle and Tree Queue + LAB

PCQ setup + LAB

ARP + LAB

Setup simple wireless link + LABMAC

address filtering + LAB

DHCP server and client + LAB

HotSpot + LAB

Proxy + LAB

Store

RouterOS tools

MikroTik RouterOS Wireless

802.11a/b/g/n Concepts

Mikrotik RouterOS Network Management

Wireless Security and Encryption + LAB

802.11n specific settings + LAB

MikroTik wireless protocols + LAB

Monitoring Tools

MikroTik RouterOS Bridging

Secure remote networks communication + LAB

Bridging concepts + LAB

Bridge wireless networks + LAB

Bridge Wieless and remote networks + LAB

MikroTik RouterOS Routing

Routing overview

Static routing

OSPF + LAB

MikroTik RouterOS Tunnels

Secure local network

PPP settings

IP pool

Bandwidth Test + LAB

Monitoring