scoop TRAINING

MIKROTIK

MTCNA

MTCNA

COURSE DURATION 3 DAYS

The **MikroTik** Certified Network Associate (**MTCNA**) course was designed to make students familiar with RouterOS software and RouterBoard products. After successfully completing the course, students will be able to configure, manage, troubleshoot a **MikroTik** router and provide basic services to clients. **MTCNA** is the prerequisite certificate to attend any further official **MikroTik** training.

TRAINING FACILITY - MIDRAND

Course Locations MIDRAND | CAPE TOWN

COURSE PREREQUISITES

Although not mandatory, we strongly recommend attendees have a good understanding of TCP/IP to make the most of the training

WE WILL NOT BE COVERING

OSI Model

MAC Addresses

IPv4 Subnetting, CIDR

TCP, UDP, Ports

TEST YOUR TCP/IP SKILLS

Test your TCP/IP skills **HERE** before registering for the course.

For comprehensive TCP/IP training we recommend the Comptia N+ course.

COURSE DURATION

3 days

EXAM

A minimum of 60% is required to obtain the official certificate

VALIDITY

The certification is valid for 3 years

TARGET AUDIENCE

The course is designed for those required to deploy and support Mikrotik based Corporate networks,Client CPEs (WISPs and ISPs) networks.

Network Engineers
Support Technicians

SKILLS SUMMARY

You will be able to configure a **MikroTik** RouterOS Routerboard as a:

Dedicated Router
Bandwidth Manager
Secure Firewall
Simple Wireless AP
VPN Server Client

You will have the opportunity to complete the official MTCNA exam on the last day of the course

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COURSE OUTLINE

The **MikroTik** Certified Network Associate (**MTCNA**) provides an overview on a wide range of topics within RouterOS. Theory and practical exercises are incorporated as part of the training to provide the best in class learning experience possible. Students are required to be familiar with the topics listed below upon completion of the course.

INTRODUCTION

- About MikroTik
- First time accessing the router
- Command Line Interface (CLI)
- Web administration
- Initial configuration (Internet access)
- Tools
- Configuration management
- RouterOS packages and installation
- Safe Mode

DHCP

- DHCP Server and Client
- DNS
- Address Resolution Protocol

QOS

- Simple Queues
- Bursting
- Per Connection Queues (PCQ)

BRIDGING

- Bridging Overview
- Bridging Wireless Networks

ROUTING

- Routing Overview
- Static Routing

FIREWALL

- Firewall Principles
- Firewall Filter in Action
- Basic Address Lists
- Source NAT
- Destination NAT

TUNNELS

- PPP Settings
- IP Pool
- PPPoE
- Point-to-Point Addresses
- VPN-PPTP, L2TP, SSTP

WIRELESS

- 802.11a/b/g/n/ac Concepts
- Wireless Modes
- Wireless Security and Encryption

WHAT TO BRING

A laptop with working LAN interface port for practical lab activities. Hardware and Ethernet cables will be provided for the duration of the course.

Course Presented by:

Timothy Symonds
Certified Trainer