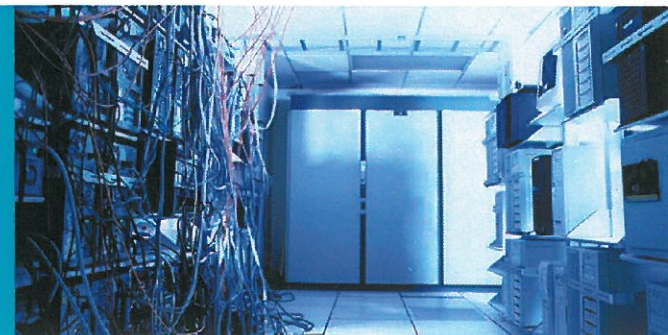


MTCNA

MikroTik Certified Network Associate



This is to certify that:

Ma'shum Abdul Jabbar

During the ID-Networkers MTCNA Course, administered by the undersigned instructor, the student was able to proficiency:

1. Introduction

Accessing the router
Internet Connection
Basic TCP/IP
Upgrade RouterOS
Login & Services
Backup Configuration
RouterOS Licence
NTP & NetInstall

2. Firewall

Firewall Principle
Firewall Filtering
Connection Tracking
Basic Address-List
Source NAT
Destination NAT
NAT Limitations

3. Quality Of Services

Simple Queuing
Traffic Prioritization
Mangle
Tree Queuing
PCQ Queuing
Bandwidth Test
Monitoring

4. Network Management

ARP
DHCP Server & Client
Hotspot
Proxy
Store
Netwatch

5. Wireless

802.11a/b/g/n Concepts
Setup Wireless Link
MAC Address Filtering
Security & Encryption
802.11n Setting
Nstreme Protocol
Wireless Scan & Snooper

6. Bridging

Bridging Concepts
Wireless Bridging
WDS & Pseudobridge
EoIP Tunnel
VPLS Tunnel

7. Routing

Routing Overview
Static Routing
OSPF

8. Tunnel

Point-To-Point
PPoE
PPTP L2TP

Jakarta, 06 March 2016



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[Signature]
Oky Prisa Saputra
Trainer