MIKROTIK ROUTEROS ONLINE TRAINING CLASS – CHAPTER 4

i-BEAM steering ahead

BURMESE VERSION

Phyo Phyo Hein

B. C. Tech (hons) MTCNA, MTCRE, MTCWE, MTCTCE, MTCUME, MTCINE CCNA R&S, CCNP R&S, CCIP, JNCIA-Junos September 17, 2016

ACCESSING MIKROTIK ROUTER

Lab Setup RouterOS GUI & CLI Basic Connectivity

i-BEAM steering ahead

LAB SETUP

• Hardware Options:

- Physical router
 - RB750GL (5 x GE, no Wi-Fi)
 - o hAP lite (4 x FE, Wi-Fi 802.11b/g/n, dual-chain antenna)
 - RB951-2n (5 x FE, Wi-Fi 802.11b/g/n)
 - RB951Ui-2HnD (5xFE, Wi-Fi 802.11b/g/n, USB, dual-chain antenna)
- Virtualization (No Wi-Fi)
 - VMware
 - VirtualBox
 - o GNS3
- MetaROUTER (No Wi-Fi)
 - Physical router requires 64MB+ RAM

LAB SETUP (CONT.)



• Software Version should be RouterOS v6.

• Requires internet connection to test following features:

- Network Time Protocol (NTP)
- Network Address Translation (NAT)
- Web Proxy
- Hotspot
- Bandwidth Management / QoS
- etc.

ACCESS TO MIKROTIK ROUTER



• RouterOS supports various accessing methods:

- Graphic User Interface (GUI)
 - WinBox
 - Webfig
- Command Line Interface (CLI)
 - o Telnet
 - o SSH
- Out-of-band Management
 - Keyboard (x86 only)
 - Serial Console
- Application
 - File Transfer Protocol (FTP)
 - Application Programming Interface (API)

ACCESS TO MIKROTIK ROUTER (CONT.)



• Multiple ways to get Winbox:

- Download from MikroTik website.
- Download from the router's web interface.
- Any other valid sources.

Default Settings

- For most SOHO routers, ether1 is designed for WAN, while ether2 to ether5 are for LAN.
- Each RouterBoard has factory configuration by default:
 - IP Address: 192.168.88.1/24 on ether2.
 - MAC-Winbox is usually enabled on LAN ports.
 - Default username is "admin", no password.

Access via Winbox



• Login to the router via Winbox:

- Press on [...], wait a few seconds, if you cannot see the list, turn off your PC firewall.
- Select your router's IP or MAC address.
- Key-in router's Login and Password and press [Connect].

🔘 MikroTik WinBox Loader v2.2.18 📃 🗉 🔀					
Connect To:		ci	onnect		
<u>L</u> ogin:	MAC Address	IP Address	Identity	Version	Board
	00:0C:42:FC:C9:23	fe80::20c:42ff:f	r05-pnh	6.24	RB751
Password:	00:0C:42:FC:C9:23	10.30.128.18	r05-pnh	6.24	RB751
	02:67:85:B4:FE:B7	fe80::67:85ff:fe	MikroTik	6.18	RB Met
	02:67:85:B4:FE:B7	192, 168, 1, 1	MikroTik	6.18	RB Met
	4C:5E:0C:CF:52:21	fe80::4e5e:cff:f	r06-pnh	6.25	RB951
	4C:5E:0C:CF:52:21	10.30.128.22	r06-pnh	6.25	RB951
	D4:CA:6D:3D:EE:60	10.0.0.1	r03-pnh	6.18	RB450G
<u>N</u> ote:	D4:CA:6D:3D:EE:60	fe80::d6ca:6dff:	r03-pnh	6.18	RB450G
	D4:CA:6D:D1:15:DB	fe80::d6ca:6dff:	r08-pnh	6.15	RB951-2n
	D4:CA:6D:D1:15:DB	10.30.128.30	r08-pnh	6.15	RB951-2n
Address 🛆	D4:CA:6D:F1:47:F0	fe80::d6ca:6dff:	MikroTik	5.25	RB951
10.30.0.1	D4:CA:6D:F1:47:F0	0.0.0.0	MikroTik	5.25	RB951
10.30.0.2					
10.30.0.3					
10.30.0.5					

WINBOX INTERFACE







- WAN port: wlan1
- Get IP and DNS addresses by DHCP Client

• LAN Configuration

- LAN port: ether2
- Router IP: 192.168.200.1/24
- DHCP Pool: 192.168.200.2 ~ 192.168.200.254
- Default Gateway: 192.168.200.1
- DNS Servers: 8.8.8.8, 8.8.4.4

ASK QUESTIONS?



Comment on this training video

• YouTube Channel: Information Beam

Subscribe our channel to get the latest update!

• Post in social networks

• Information Beam Facebook Group:

https://www.facebook.com/groups/1481854632142914/

- Send me an email directly
 - phyo@informationbeam.net

TO BE CONTINUED...

THANKS FOR YOUR ATTENTION!

Contact Me

phyo@informationbeam.net

Skype: pphein82