

MIKROTIK ROUTEROS

ONLINE TRAINING CLASS – CHAPTER 4



BURMESE VERSION

Phyo Phyo Hein

B. C. Tech (hons)

MTCNA, MTCRE, MTCWE, MTCTCE, MTCUME, MTCINE

CCNA R&S, CCNP R&S, CCIP, JNCIA-Junos

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ACCESSING MIKROTIK ROUTER

Lab Setup
RouterOS GUI & CLI
Basic Connectivity

LAB SETUP

○ Hardware Options:

- Physical router
 - RB750GL (5 x GE, no Wi-Fi)
 - **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
 - 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)
 - Telnet
 - SSH
 - Out-of-band Management
 - Keyboard (x86 only)
 - Serial Console
 - Application
 - File Transfer Protocol (FTP)
 - Application Programming Interface (API)



ACCESS TO MIKROTIK ROUTER (CONT.)



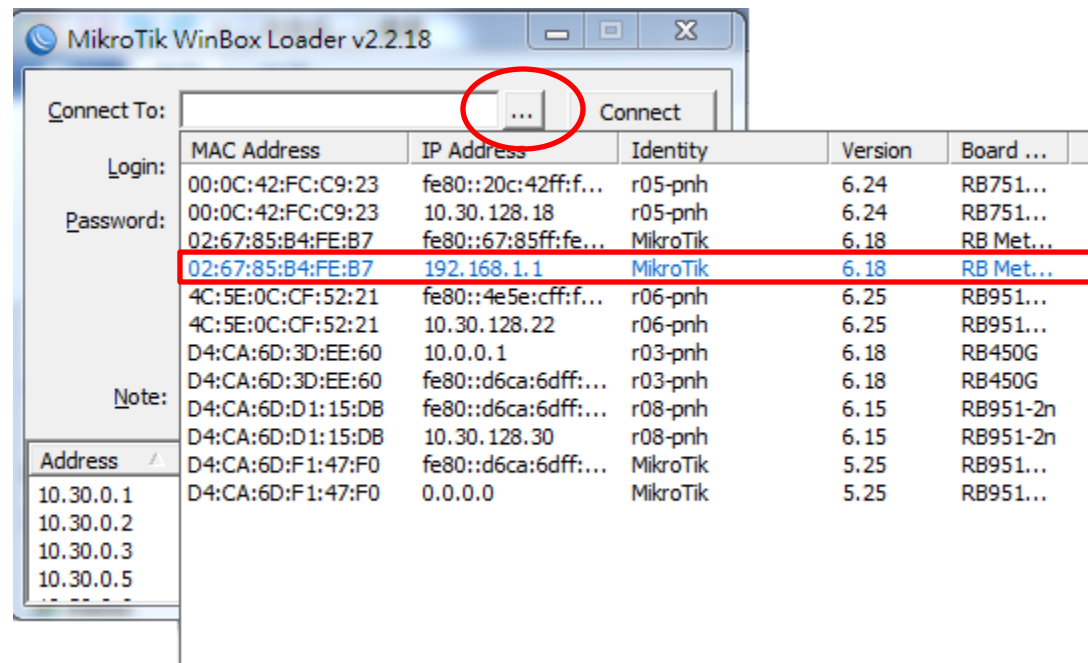
- Multiple ways to get Winbox:
 - Download from MikroTik website.
 - Download from the router's web interface.
 - Any other valid sources.

- 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.

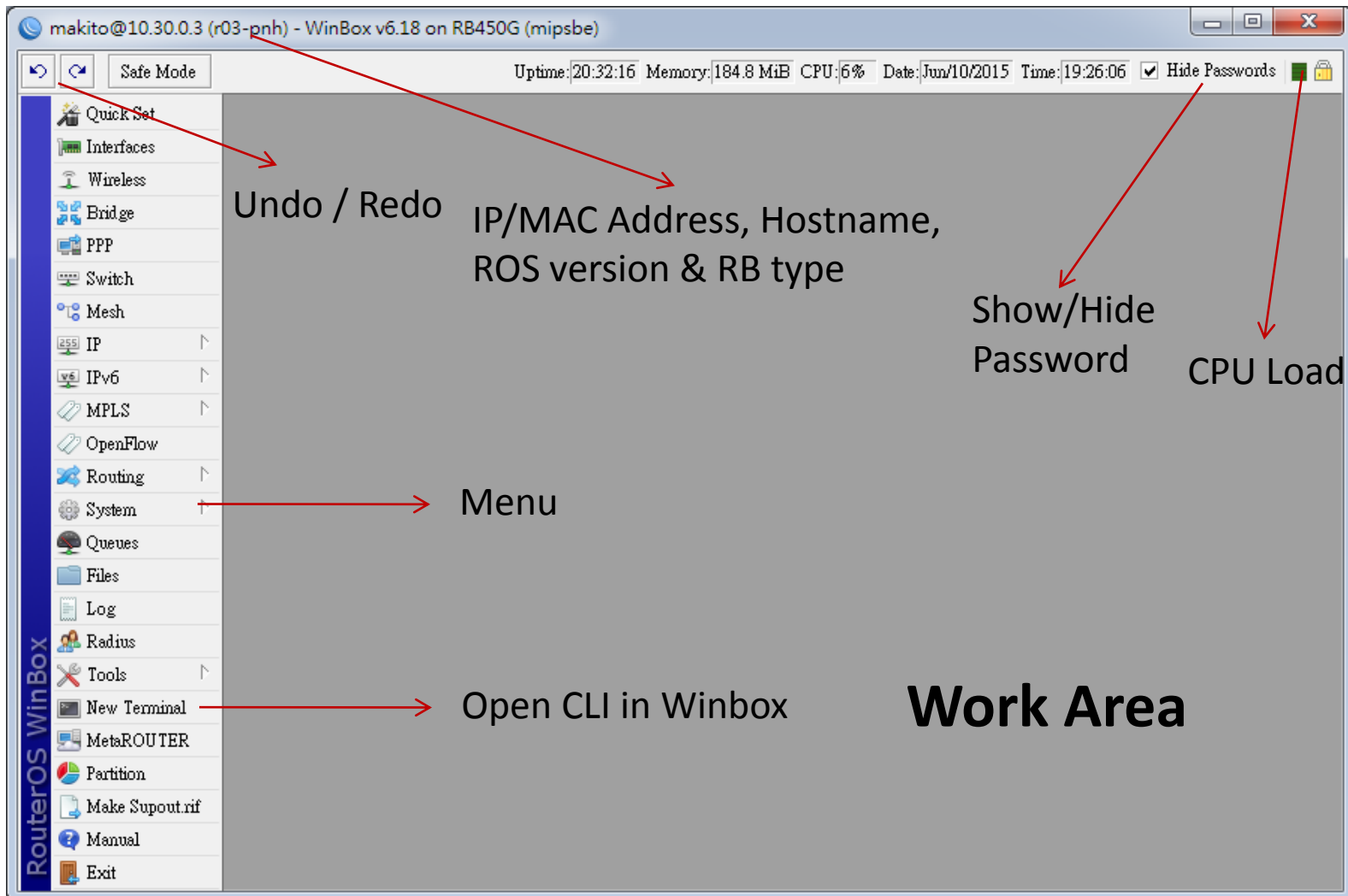


ACCESS VIA WINBOX

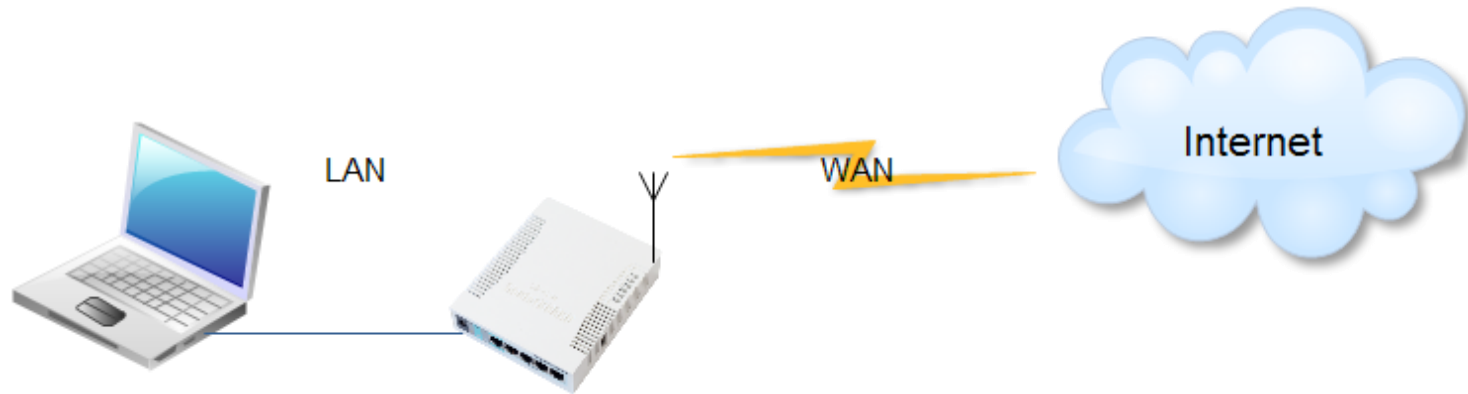
- Login to the router via Winbox:
 - Press on [...], wait a few seconds, if you cannot see the list, turn off your PC firewall.
 - Select your router's IP or MAC address.
 - Key-in router's Login and Password and press **[Connect]**.



WINBOX INTERFACE



LAB: CONFIGURE BASIC CONNECTIVITY



○ WAN Configuration

- 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?



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 - phyo@informationbeam.net





TO BE CONTINUED...

THANKS FOR YOUR ATTENTION!

Contact Me

phyo@informationbeam.net

Skype: pphein82