

# MIKROTIK ROUTEROS

ONLINE TRAINING CLASS – CHAPTER 8



**BURMESE VERSION**

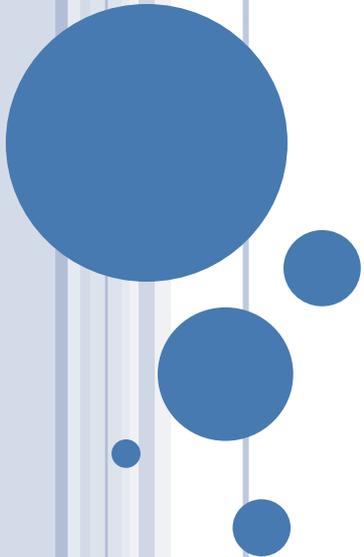
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**January 20, 2017**



# HOTSPOT

**What is Hotspot?**

**Lab 1: Basic Hotspot**

**Bypassing Hotspot**

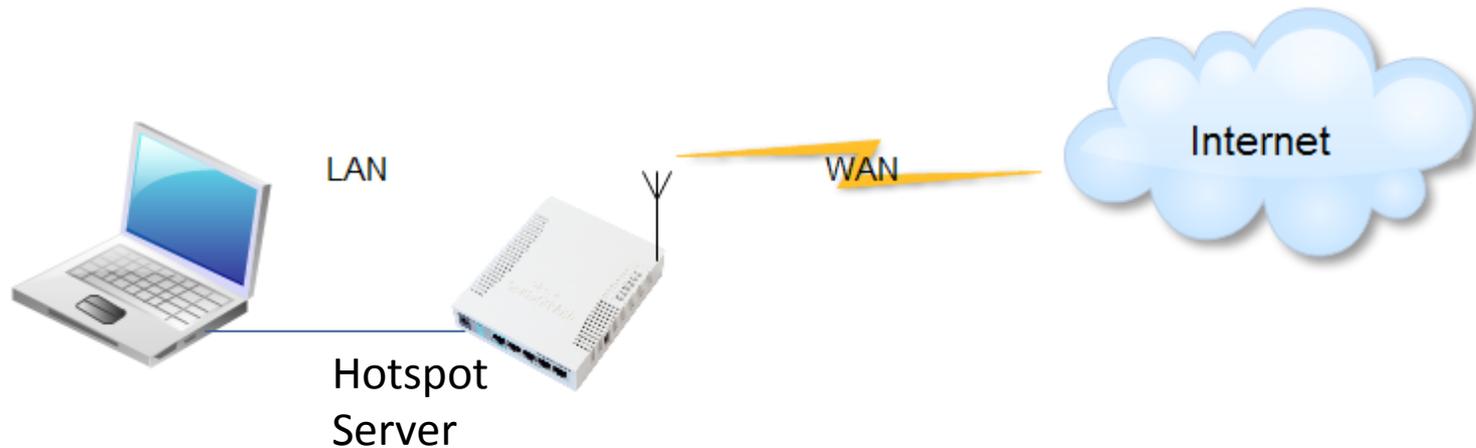
**Lab 2: Bypassing Hotspot**

# HOTSPOT

- Hotspots are used to provide Internet access in the public area, using cable or wireless.
- When client opens the web page then the router will check whether client is authenticated.
  - If client is not authenticated, he/she will be forwarded to the hotspot login page that requires a username and password.
  - If the login information entered is correct, client can access internet.
- The use of Internet access through hotspot can be limited by
  - Bandwidth (rate-limit)
  - Time (time-based)
  - Amount of data that download or upload (volume-based)



# LAB: HOTSPOT

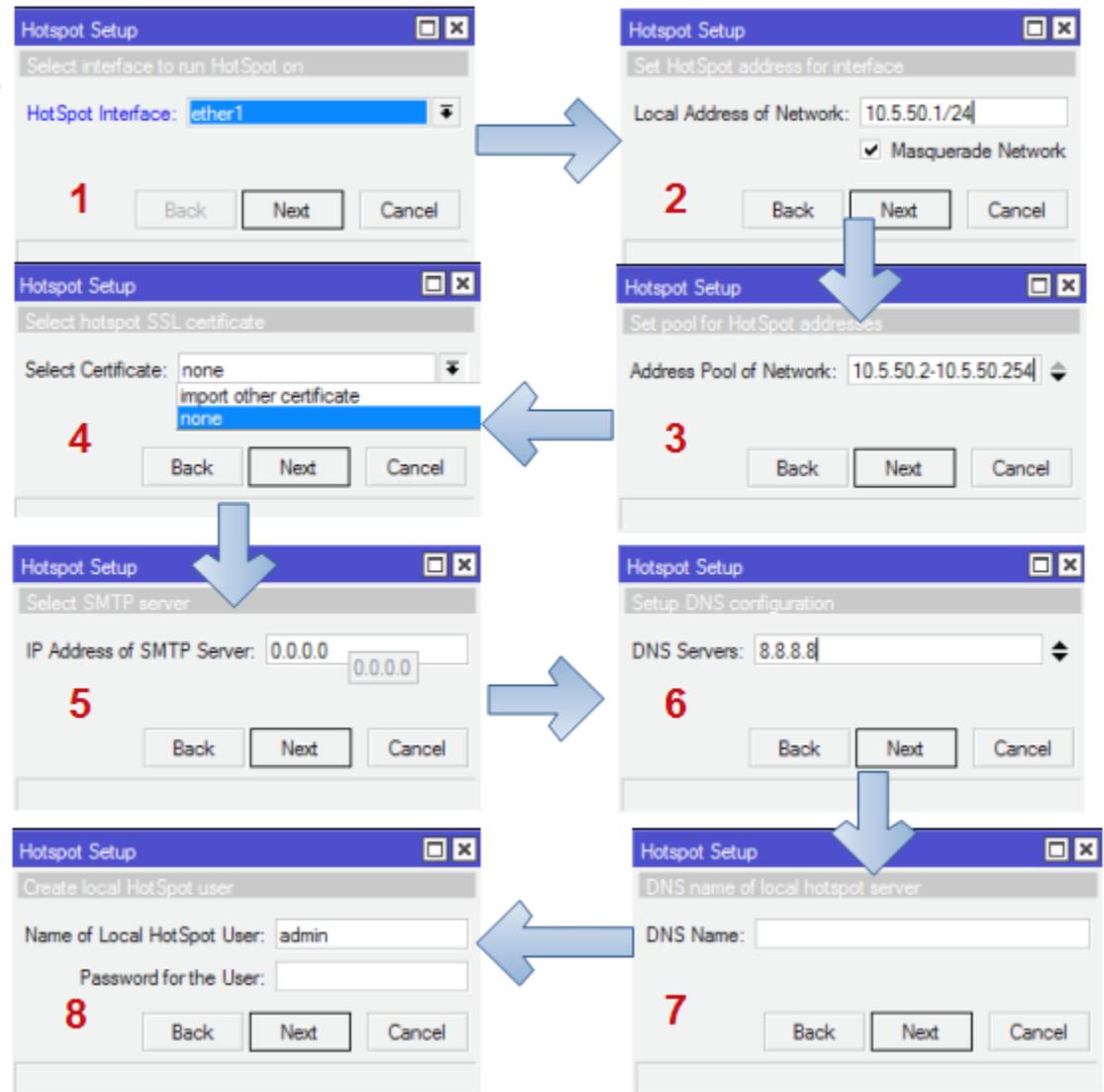


- We will run hotspot in LAN, your laptop is hotspot client.
- Hostpot will run on interface connecting to your laptop.
- Remove your LAN configuration on router (IP, DHCP and NAT), we will using hotspot setup wizard.



# LAB: HOTSPOT (CONT.)

- To run Hotspot Setup wizard, go to menu **IP → Hotspot**, click on **Setup Wizard**.
- Follow these steps, then all related settings will be automatically configured.
  - IP Address
  - DHCP Server
  - NAT
  - Hotspot User

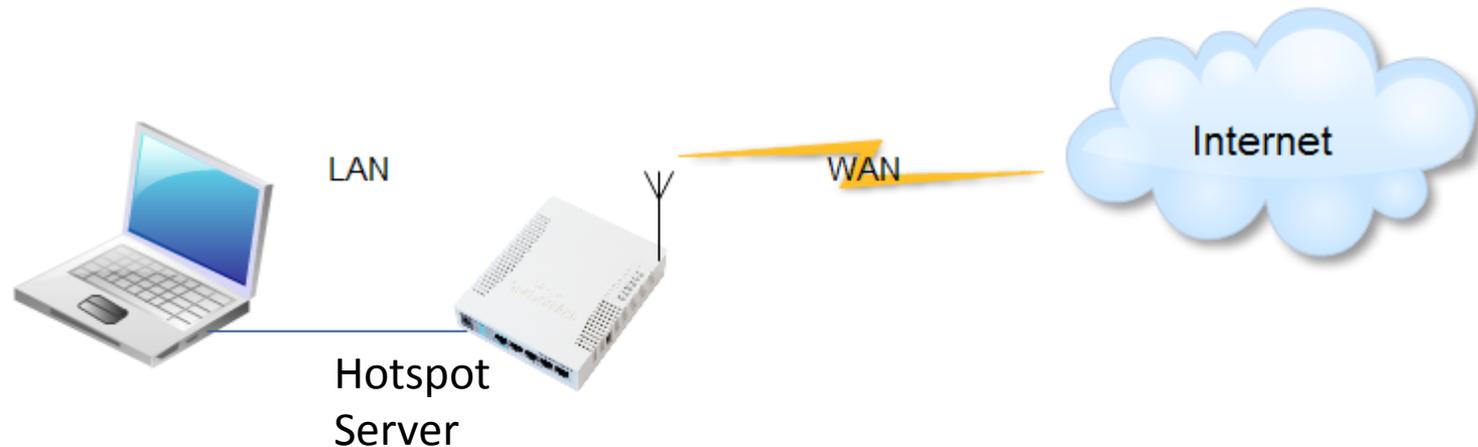


# BYPASSING HOTSPOT

- Sometimes we might want to allow specific access through hotspot without login.
  - IP Binding
    - Allow specific user to access without login.
    - VIPs, printers, IP phones, security camera...etc.
    - Configure in menu **IP → Hotspot → IP Binding.**
  - Walled Garden
    - Allow all users to access specific website.
    - Company website, intranet, PayPal, internet banking...etc.
    - Configure in menu **IP → Hotspot → Walled Garden**
  - Walled Garden IP
    - Allow all users to access specific protocol.
    - Send and receive mail, telnet, SSH, ping...etc.
    - Configure in menu **IP → Hotspot → Walled Garden IP**



# LAB: BYPASSING HOTSPOT



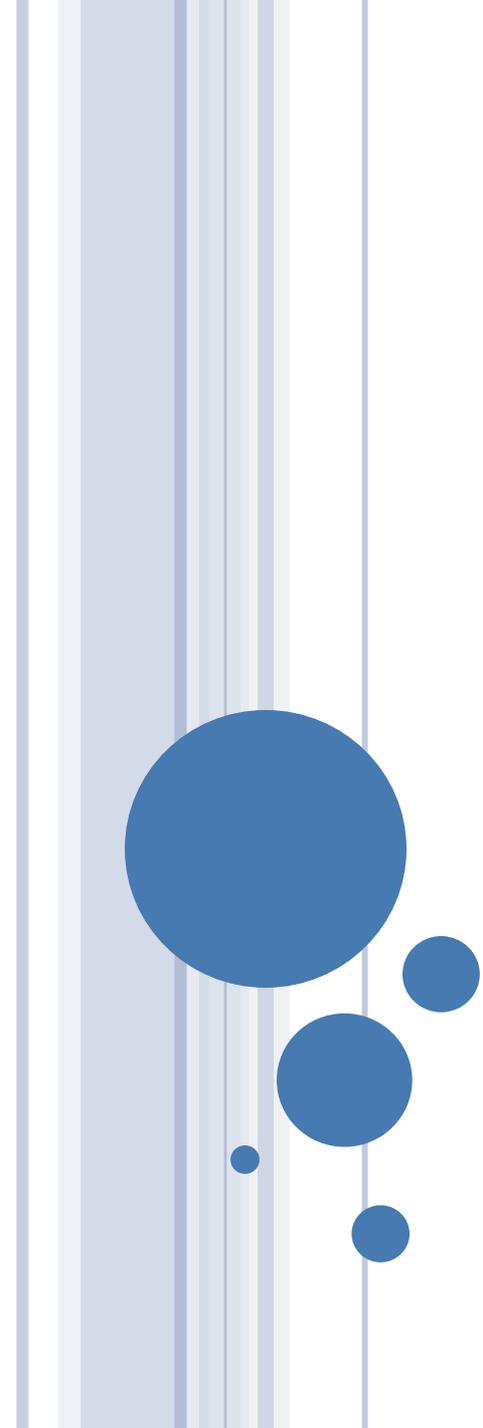
- Use previous hotspot configuration, fulfill following requirements one by one:
  1. Browsing [www.mikrotik.com](http://www.mikrotik.com) through hotspot without authentication.
  2. Ping to [www.mikrotik.com](http://www.mikrotik.com) through hotspot without authentication
  3. Bypass your laptop in your hotspot server.



# ASK QUESTIONS?

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- Send me an email directly
  - [phyo@informationbeam.net](mailto:phyo@informationbeam.net)





# To BE CONTINUED...

THANKS FOR YOUR ATTENTION!

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