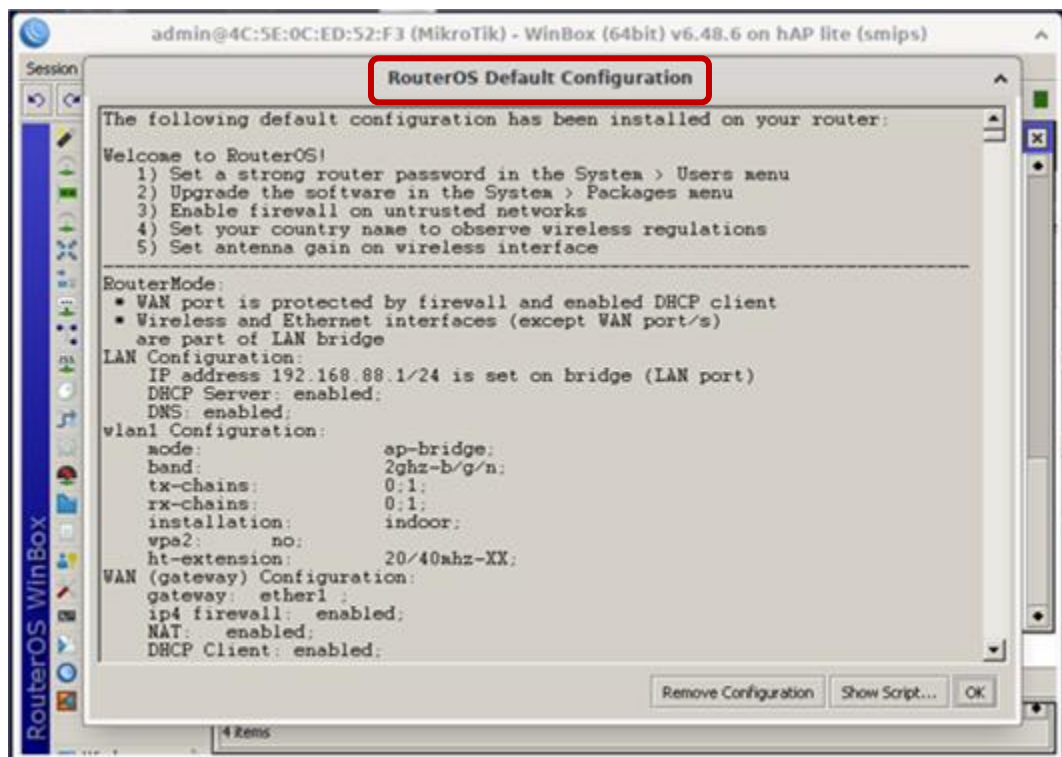
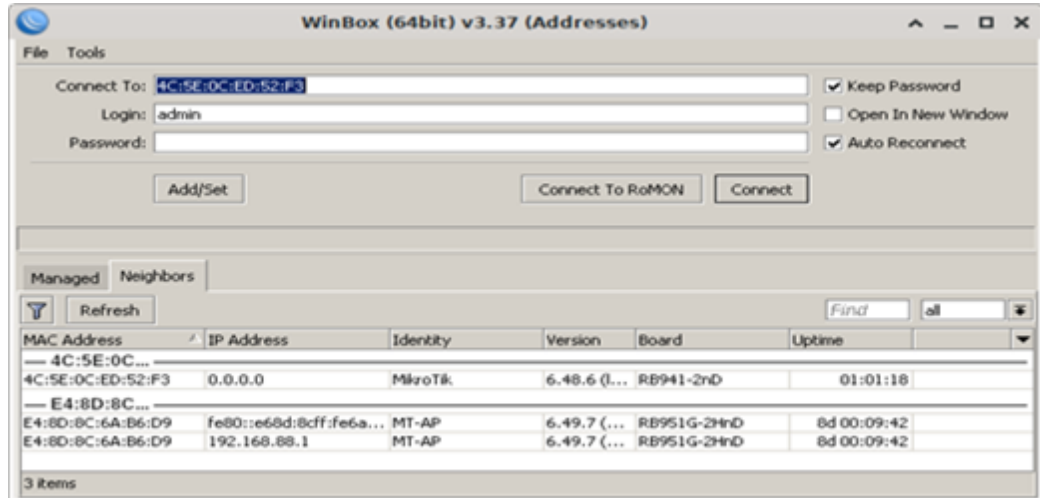


LABORATORY GUIDE 2 – PARTICIPANT

Internet Access through a Mikrotik Router

I. First Access to the Router:

1. Download WinBox, the MikroTik's CLI par excellence.
2. Connect the ether2 port of the MikroTik Router to your computer using an Ethernet cable.
3. Run WinBox and access the Router after discovering the MAC address:

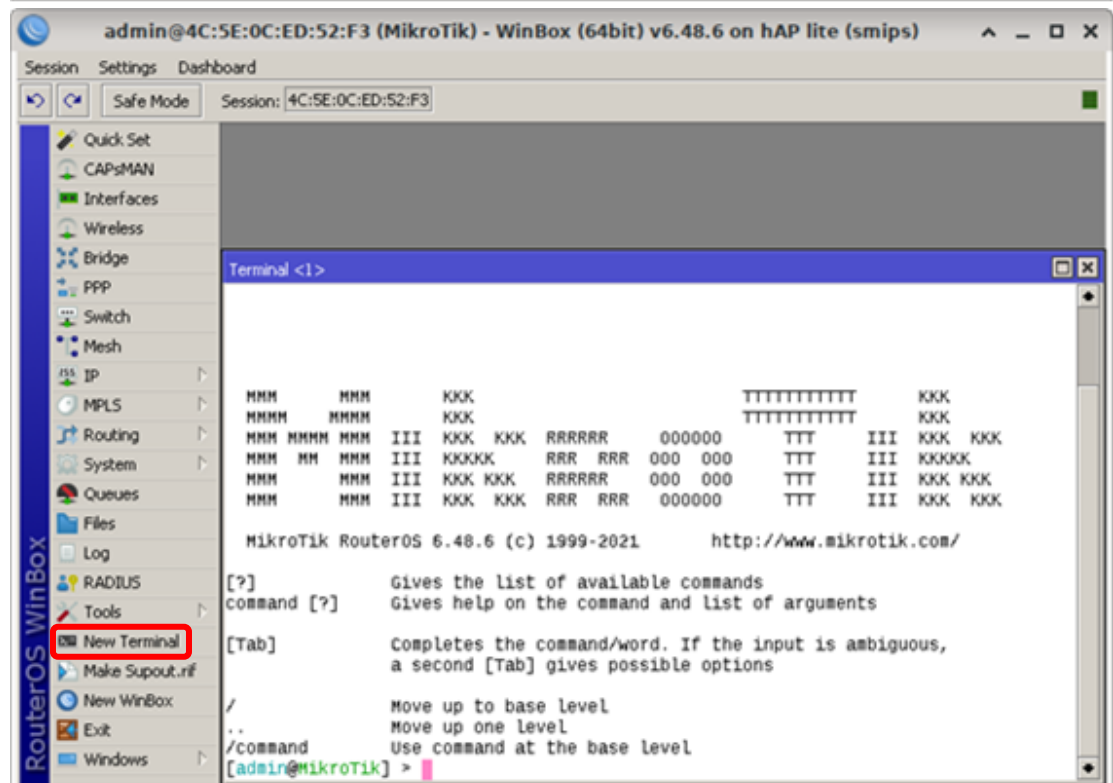
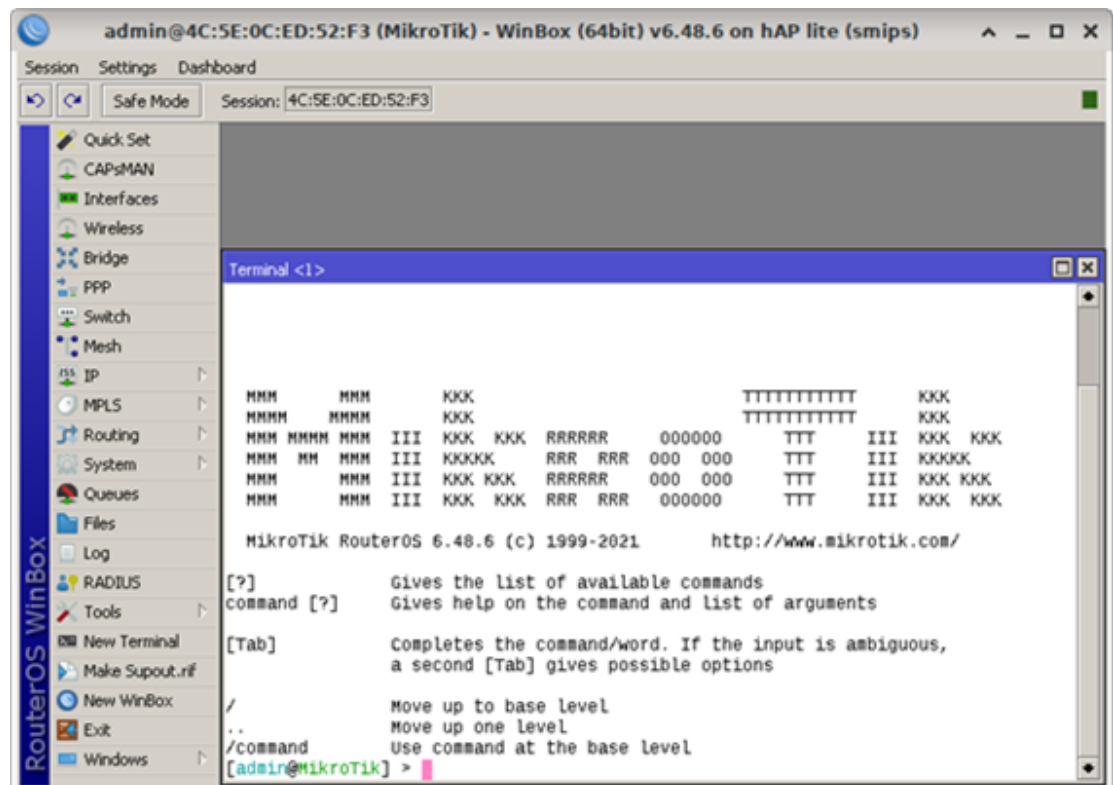


Accept the default configuration and inspect some options of the graphical CLI.

If you **do not** see the "**RouterOS Default Configuration**" window or did not accept the suggested configuration, you must reset the router's configuration with the command:

/system reset-configuration

4. Go to "New Te

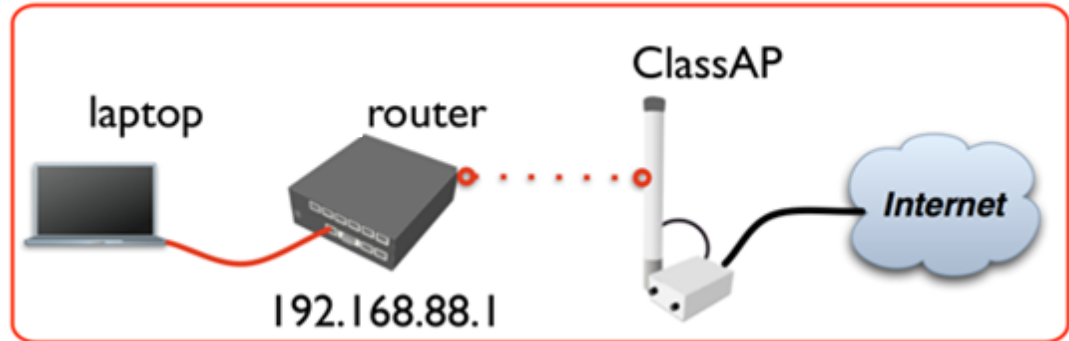


5. Once in the Command Terminal, enter the following command:
/system identity set name=CPE_XX

where XX is the assigned number.

Verify the changes that have occurred on the interface.

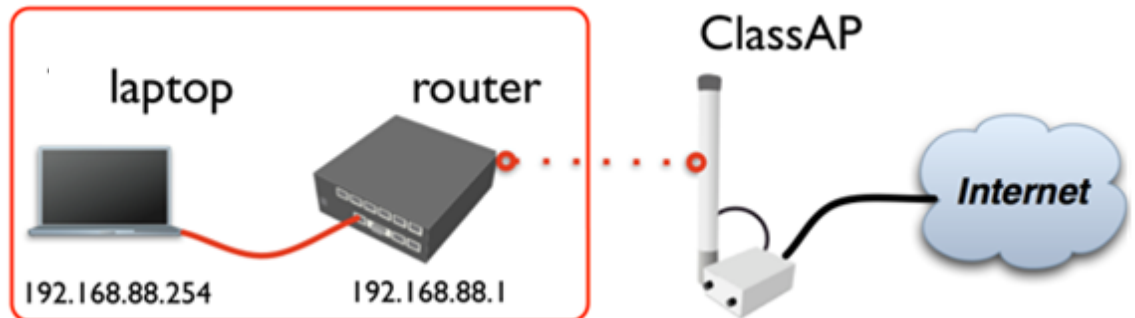
- I. Internet Access through the router and the wireless network of the Class.
We will have the following network topology:



The goal is to allow your computer to access the Internet, given the proposed topology.

To achieve this goal, we will make the necessary changes to the default router configuration.

- II. Laptop to Router



1. Verify that the laptop's Ethernet interface is configured to obtain IP configuration automatically (DHCP client). Verify it with the instructor, showing the computer's IP configuration (IP, Gateway, and DNS IP address).
- 2.
3. From the console on your computer, verify that you can reach the router at layer 3:
- 4.
5. ping 192.168.88.1
- 6.
7. Re-enter WinBox, this time using the router's IP: 192.168.88.1, and comment on the changes observed in the interface.

