

Multilink Computers Pvt Ltd

WELCOMES

YOU @

MIKROTIK MUM



NEW DELHI

2 SEP 2016



Company Profile.....brief

- **Multilink Computers Pvt Ltd is one of the leading System integrator provider company offering Wireless LAN , WAN & FTTH solutions.**
- **Multilink's expertise**
- **Wireless**
- **FTTH**
- **GePON & GPON**
- **EOC**
- **VOIP APPLICATIONS**

- **MULTILINK Deals with**
REVO
MikroTik etc.....

Cont...



Company Profile.....brief

Multilink is authorized Master distributor for
INDIA & USA



MULTILINK COMPUTERS PVT LTD

Marketing & Support Offices – INDIA & USA

- **New Delhi (H.O & Corporate Office)**
- **Jhansi (U.P)**
- **Kolkata (W.B)**
- **Jaipur (Rajasthan)**
- **Indore (M.P)**
- **Bangalore (Karnataka)**
- **Cincinnati (USA)**



MULTILINK COMPUTERS PVT LTD

Gives you opportunity to work as a TECHNOLOGY PARTNER

- 1. Multilink will provide a total technical consultation to the technology partner.**
- 2. Multilink will arrange hardware used in ISP activity at economical cost for their subscriber.**
- 3. Multilink will sign an agreement with their technology partner to make a standard of business.**
- 4. Multilink will help in marketing and brand promotions.**



MULTILINK COMPUTERS PVT LTD

Major Sectors – INDIA & USA

- **Enterprise .**
- **Banking .**
- **Telecom /Service provider.**
- **Government .**
- **Semi-Government.**
- **Defense.**
- **Educational Institutions.**



Our Clients



WHY CHOOSE MULTILINK

1. Centralised Call Center **8080808292.**
2. 24 x 7 Online/Offline Support.
3. Professional staff across the Globe.
4. We know what we Sell.
5. Technical Consultation.
6. Express RMA.
6. ERP with CRM for customer satisfaction.
7. Online Sales portal www.multilinkonline.com



ONLINE PORTAL

The screenshot displays a web browser window with the URL www.multilinkonline.com/Mikrotik-Wireless-Products_c_10.html. The page features a navigation menu with links such as Home, About Us, Why Multilink, Services, My Account, Support, Blog, ISP Licence, Upcoming Wireless Products, Knowledge Base, RailWire Registration, and Contact Us. A search bar is located at the top left, and a shopping bag icon indicates 0 items in the bag with a total of Rs.0. A customer care section on the right provides a contact number (8080808292) and a live support status (OFFLINE). The main content area is titled "Mikrotik Wireless Products" and lists featured products with their prices and "Add To Cart" buttons. A sidebar on the left contains a category menu. The bottom of the page shows a Windows taskbar with various application icons and a system tray displaying the time (12:57 PM) and date (02-Sep-16).

Connect to Wi-Fi x Jaze Networks x Mikrotik Wireless Access F x

www.multilinkonline.com/Mikrotik-Wireless-Products_c_10.html

Home About Us Why Multilink Services My Account Support Blog ISP Licence Upcoming Wireless Products Knowledge Base RailWire Registration Contact Us

Search Shopping Bag: 0 item(s) in bag / Total: Rs.0 View Cart Checkout

LEAVE A MESSAGE LIVE SUPPORT OFFLINE

Customer Care: 8080808292 Call between 10:00 AM to 6:30 PM on Mon-Sat

Click Here to Submit RMA

OFFER ZONE REVO 610GZ 1 Port ONU @ Rs. 1299/- Only

MikroTik SXT Lite5 x 20 MikroTik SXT Lite5 RB951G-2HnD BaseBox5 (RB912UAG-SHPnD-OUT)

Your Price: Rs.70,000.00 Your Price: Rs.3,500.00 Your Price: Rs.5,200.00 Your Price: Rs.5,800.00

Add To Cart Add To Cart Add To Cart Add To Cart

PRODUCTS (TOTAL ITEMS: 32) Price: Low to High

MikroTik SXT Lite5 @ Rs. 3500/- Only

Home Access Point hAP lite @ Rs. 1500/-

Windows taskbar: Internet Explorer, Firefox, Chrome, Skype, etc. System tray: 12:57 PM, 02-Sep-16



www.multilinkonline.com

We help you to create links!!

ONLINE PORTAL

The screenshot shows a web browser window with the URL www.multilinkonline.com/Mikrotik-Wireless-Products_c_10.html. The page features a dark blue header with navigation links: Home, About Us, Why Multilink, Services, My Account, Support, Blog, ISP Licence, Upcoming Wireless Products, Knowledge Base, RailWire Registration, and Contact Us. A search bar is located in the top left. The main content area displays the product 'LHG 5' with a price of Rs.4,700.00, availability 'In Stock', and part number '826'. A quantity selector is set to '1'. Below the product image, there are tabs for 'Description' and 'Related Items'. The description text reads: 'The Light Head Grid (LHG) is a compact and light 5GHz 802.11 a/n wireless device with an integrated dual polarization 24.5 dBi grid antenna at a revolutionary price. It is perfect for point to point links or for use as a CPE at longer distances and supports Nv2 TDMA protocol. The grid design ensures protection against wind, and the fact that the antenna element is built into the wireless unit means no loss on cables.' The background shows a sidebar with various product categories and a customer care section with contact information.



www.multilinkonline.com

We help you to create links!!

CASESTUDY IN MIKROTIK

- 1. Router OS**
- 2. Point to Point**
- 3. Multipoint**
- 4. Hotspot**
- 5. Routing**
- 6. Switching**
- 7. Fiber GPON**

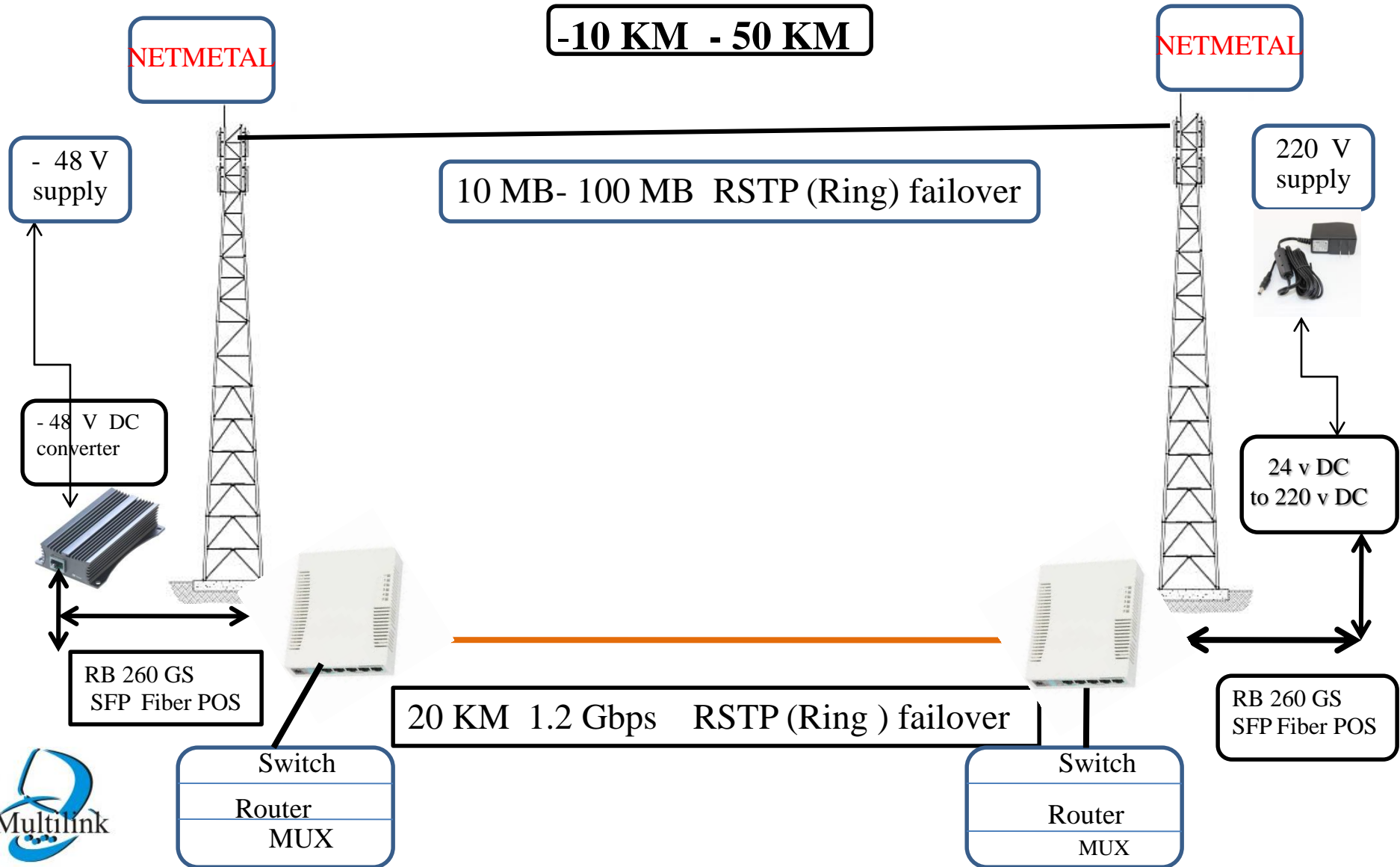


WIRELESS

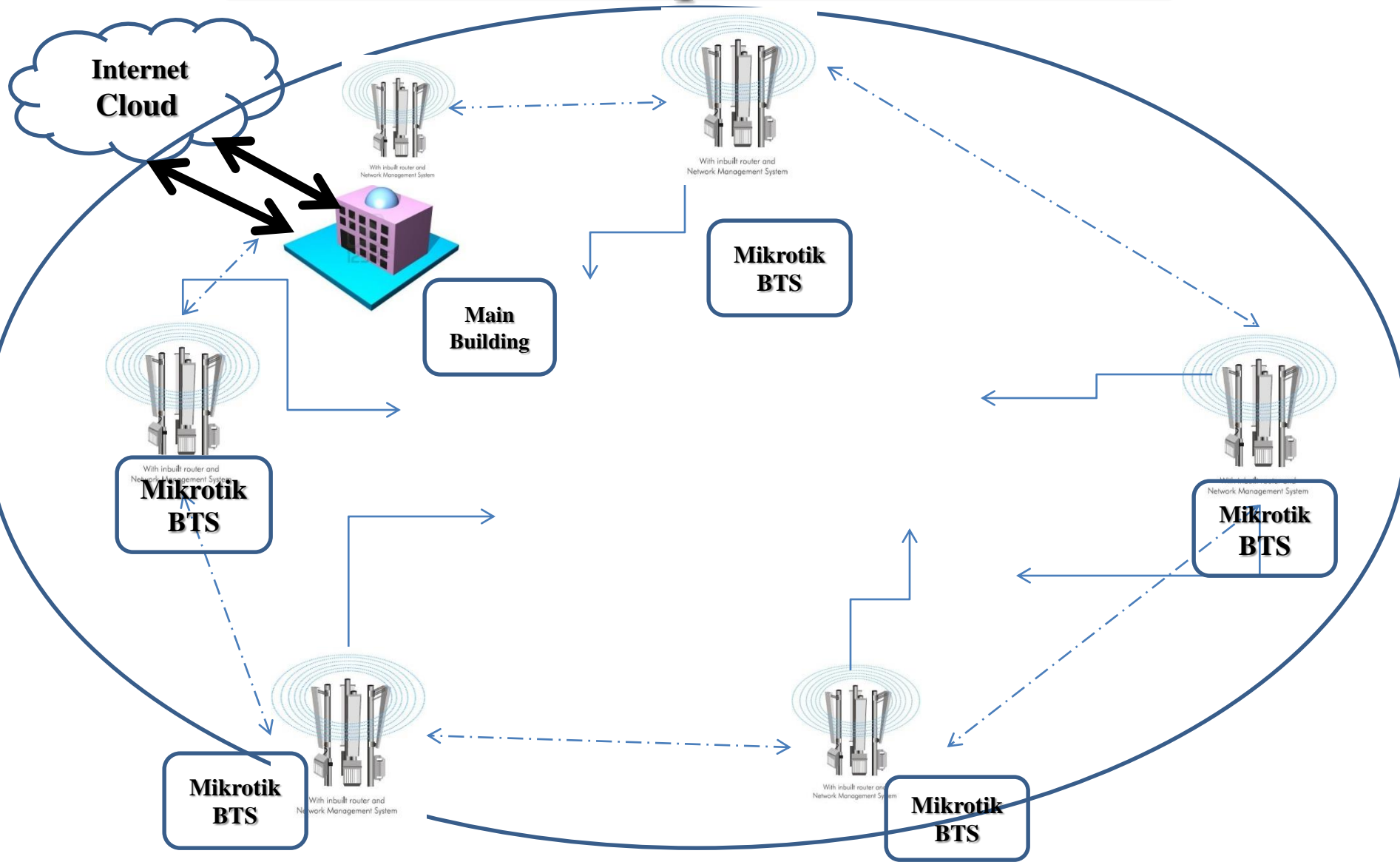
- **Very Easy to deployable**
- **Network Connectivity without wire**
- **Point to Point 802.11 ac series**
- **Multipoint Connectivity**
- **Wi- Fi Zone Creation**
- **Base Station/Hotspot**
- **Access Point**



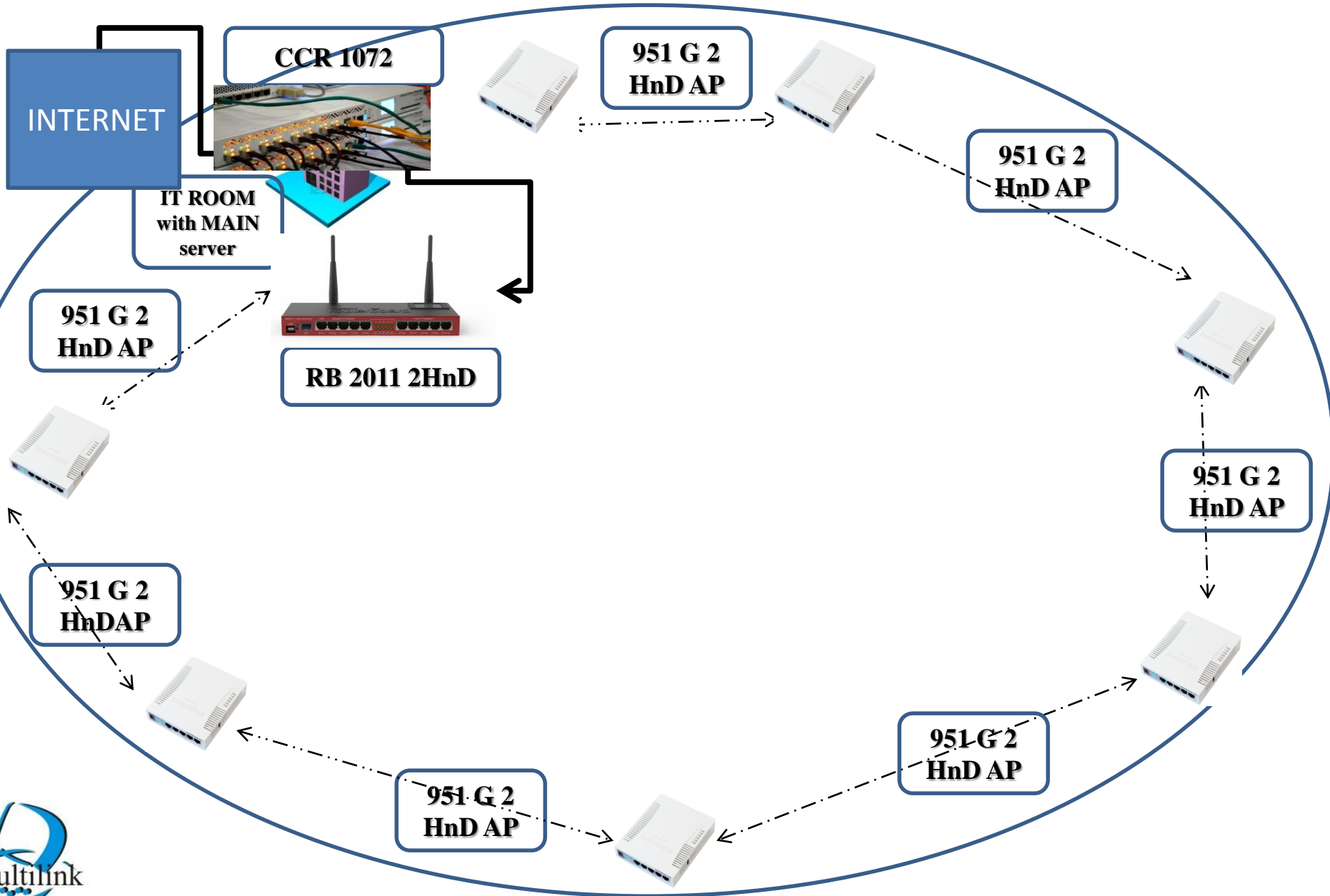
Mikrotik PTP RF link with Fiber in RSTP topology.



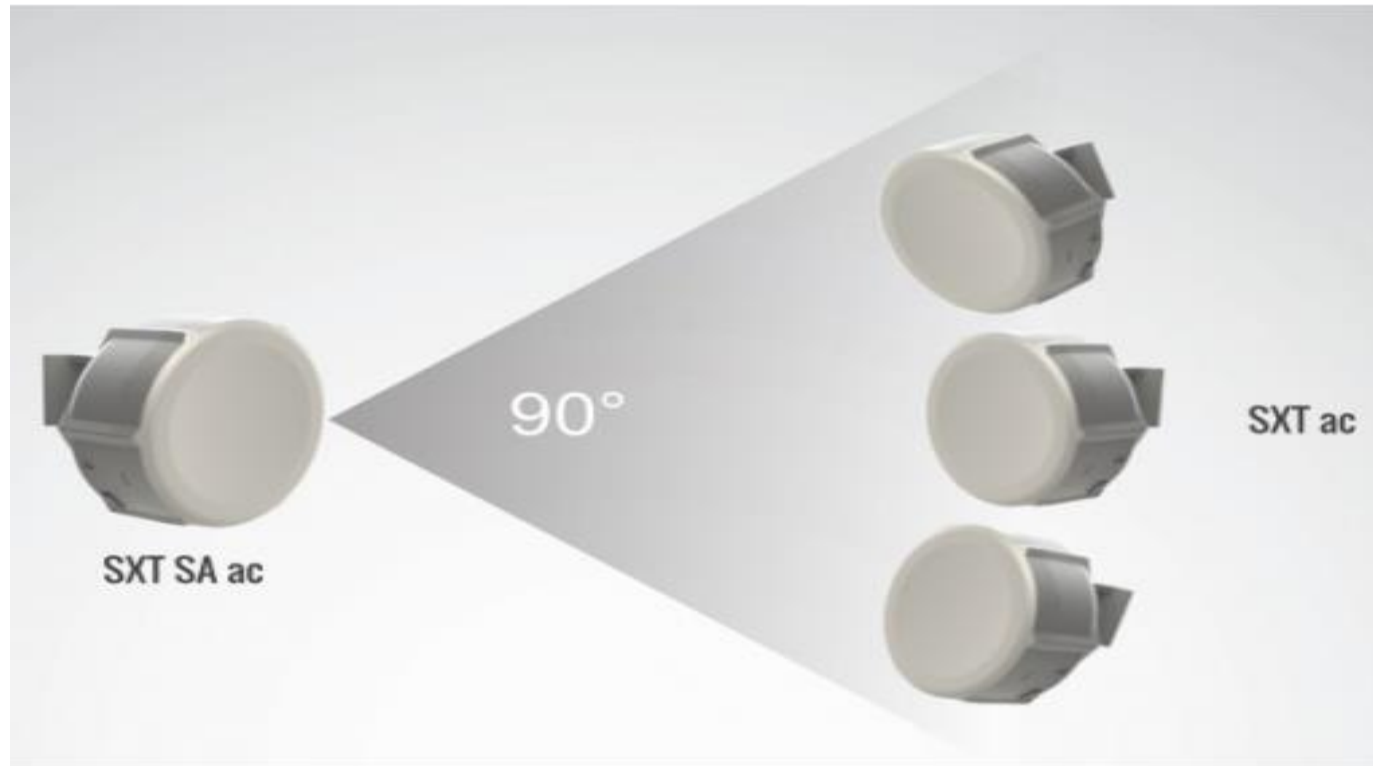
Mikrotik Campus Wi-Fi Zone



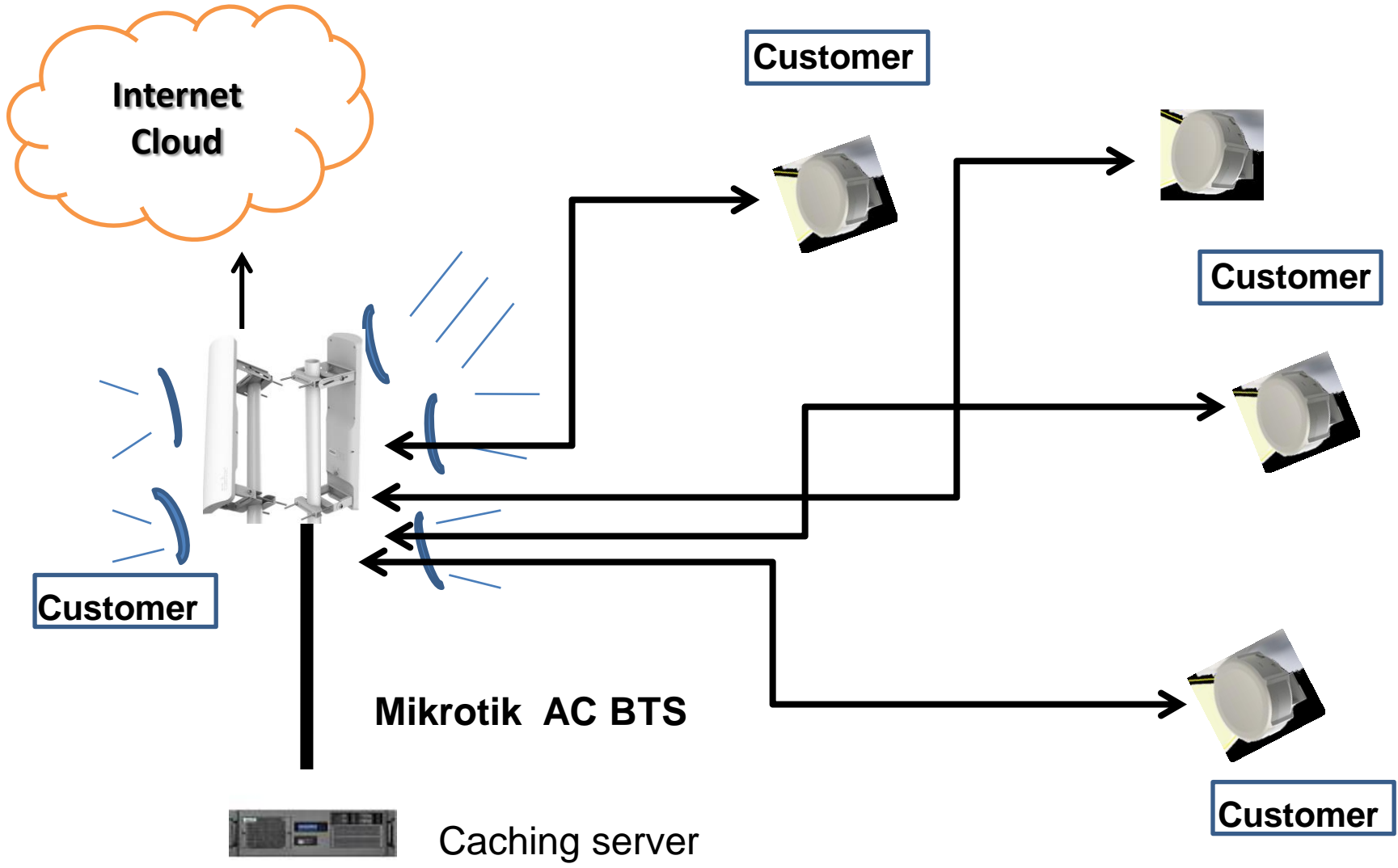
Wi-Fi Connectivity (with controller) diag.



MIKROTIK IN MULTIPOINT

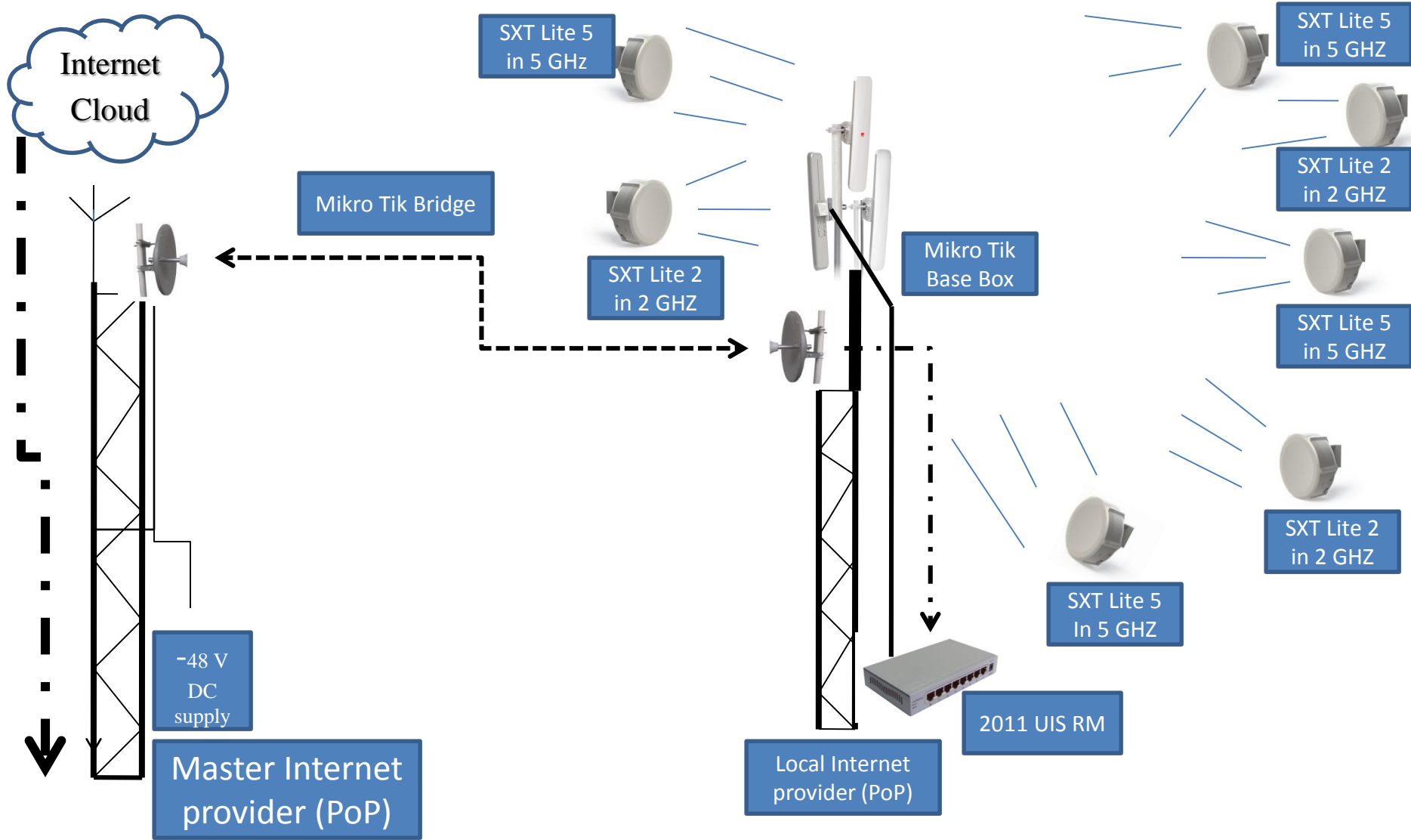


Base Station with Sectorcoverage 10 Km with 240/360 clients



RAILWIRE Pop / Base Station

Connectivity diagram:- Last mile with Local ISP setup



THANK YOU



www.multilinkonline.com

We help you to create links!!

MikroTik



FTTH

© CallStock



GPON

1Gb per second

Fibre to the Home



www.multilinkonline.com

We help you to create links!!

GPON

- **A passive optical network (PON) is a point-to-multipoint, fiber to the premises network architecture in which unpowered optical splitters are used to enable a single optical fiber to serve multiple premises, typically 32-128.**
- **ITU-T G.984**
GPON (Gigabit PON) is an evolution of the BPON standard. It supports higher rates 2.4 Gb/s upstream and 1.2 Gb/s.



GPON

- **1. OLT**
- **2. ONT**
- **3.Splitter**
- **4. Power Meter**
- **5. Fiber Termination Box**
- **6. Single Core Fiber**
- **Mikrotik NAS**
- **Mikrotik L3 managed switch**

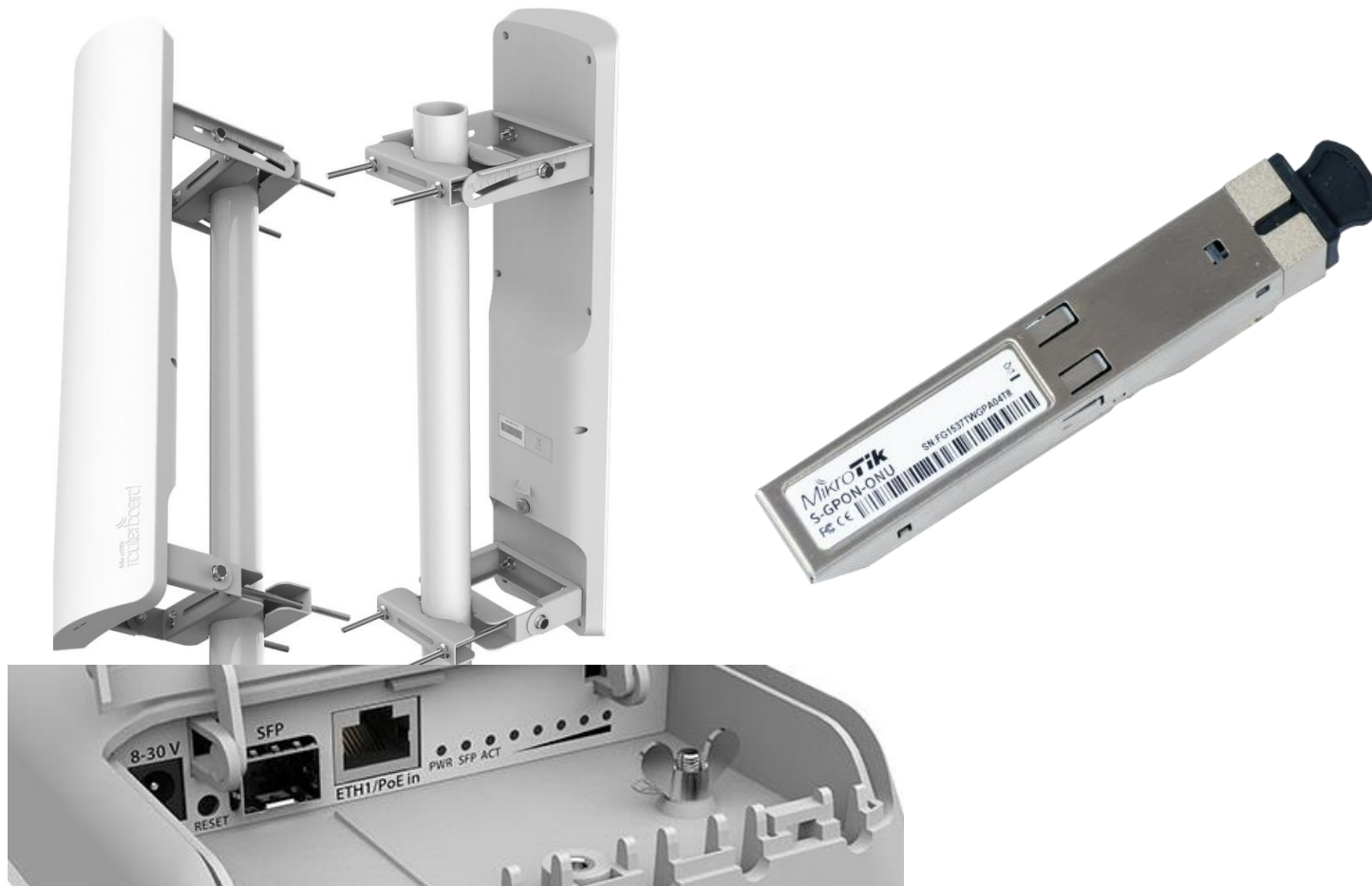


Mikrotik in GPON

L3 Based ONU compatible with all OLT



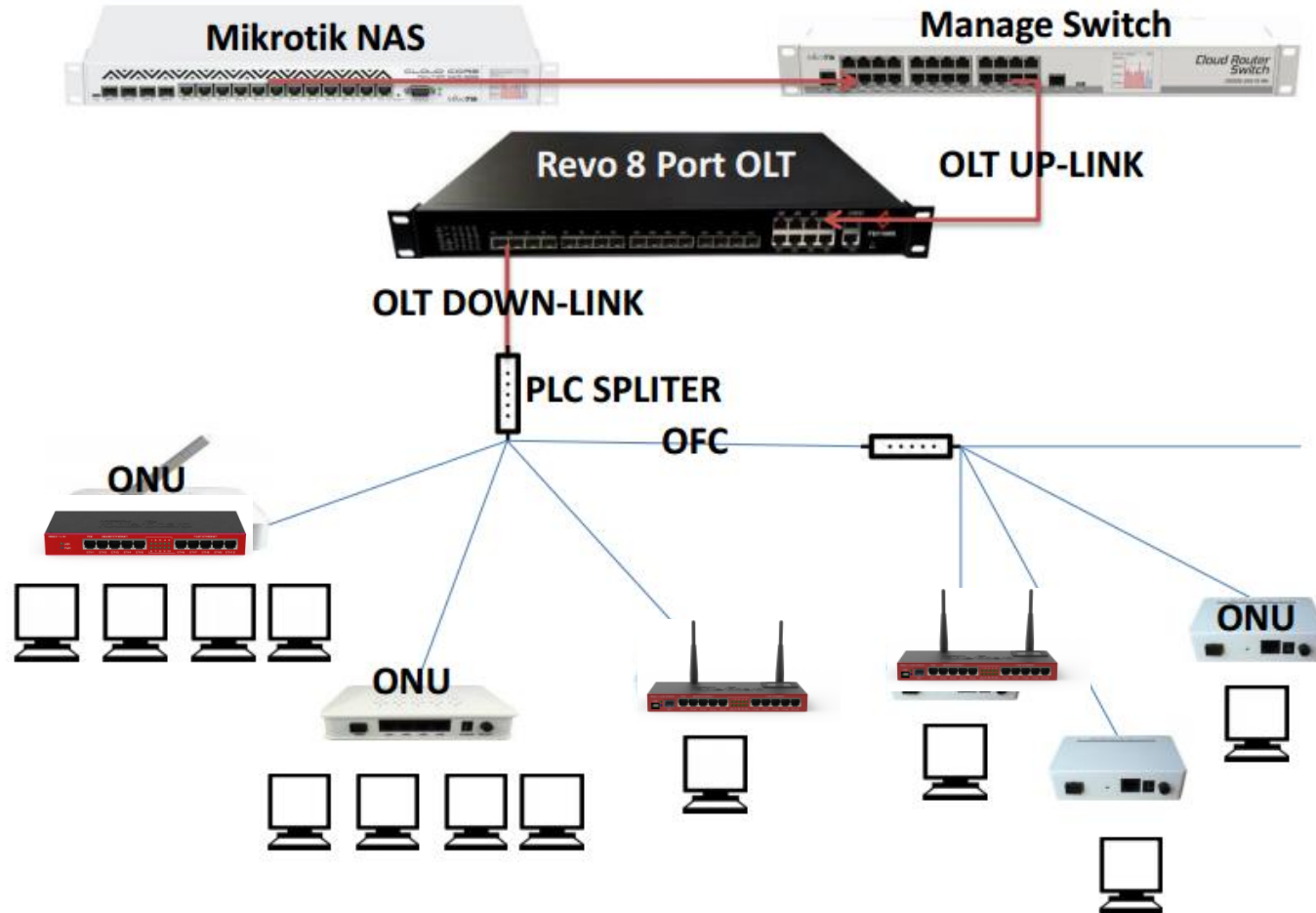
Mikrotik GPON ONU with Sector



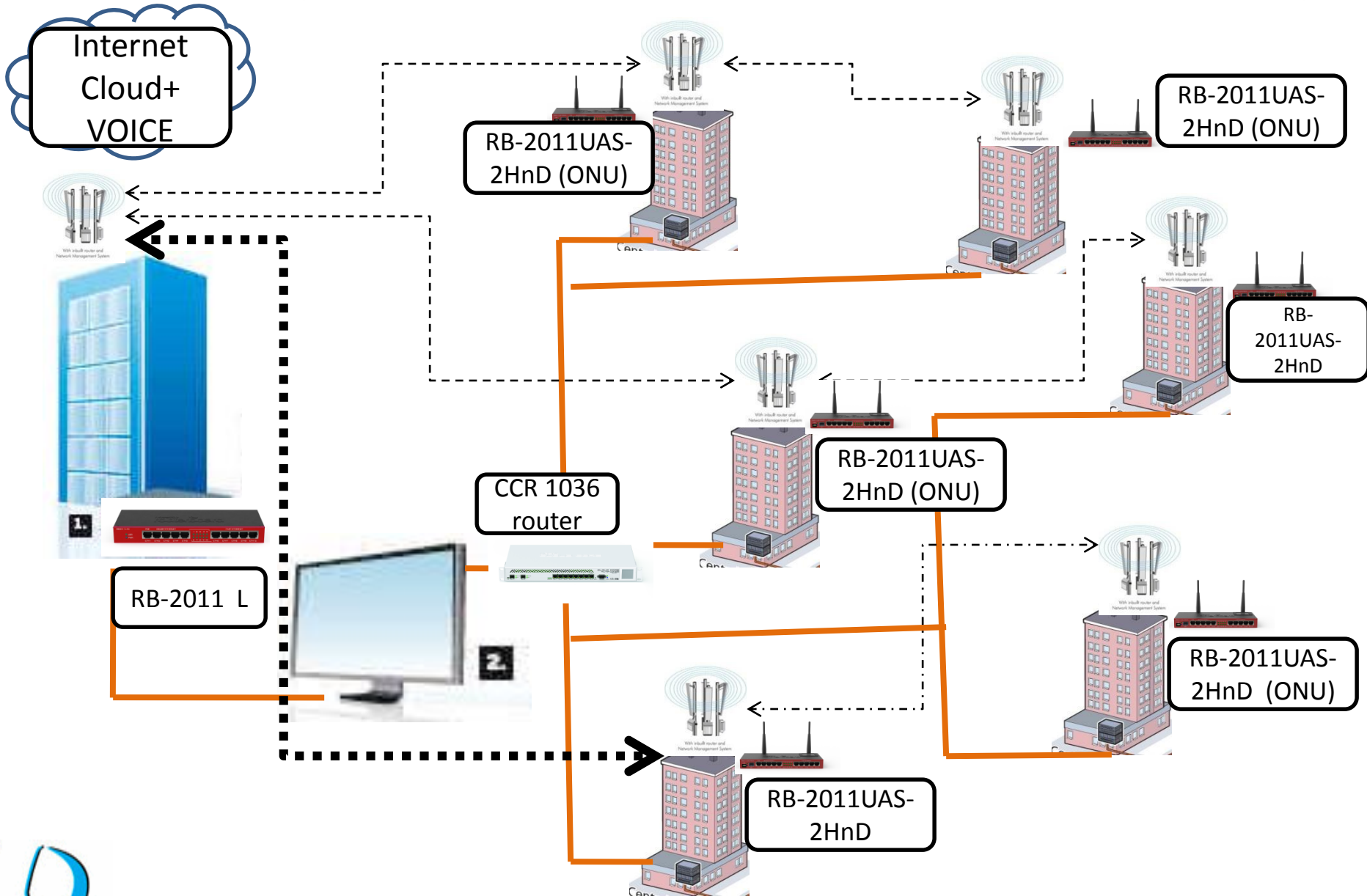
www.multilinkonline.com

We help you to create links!!

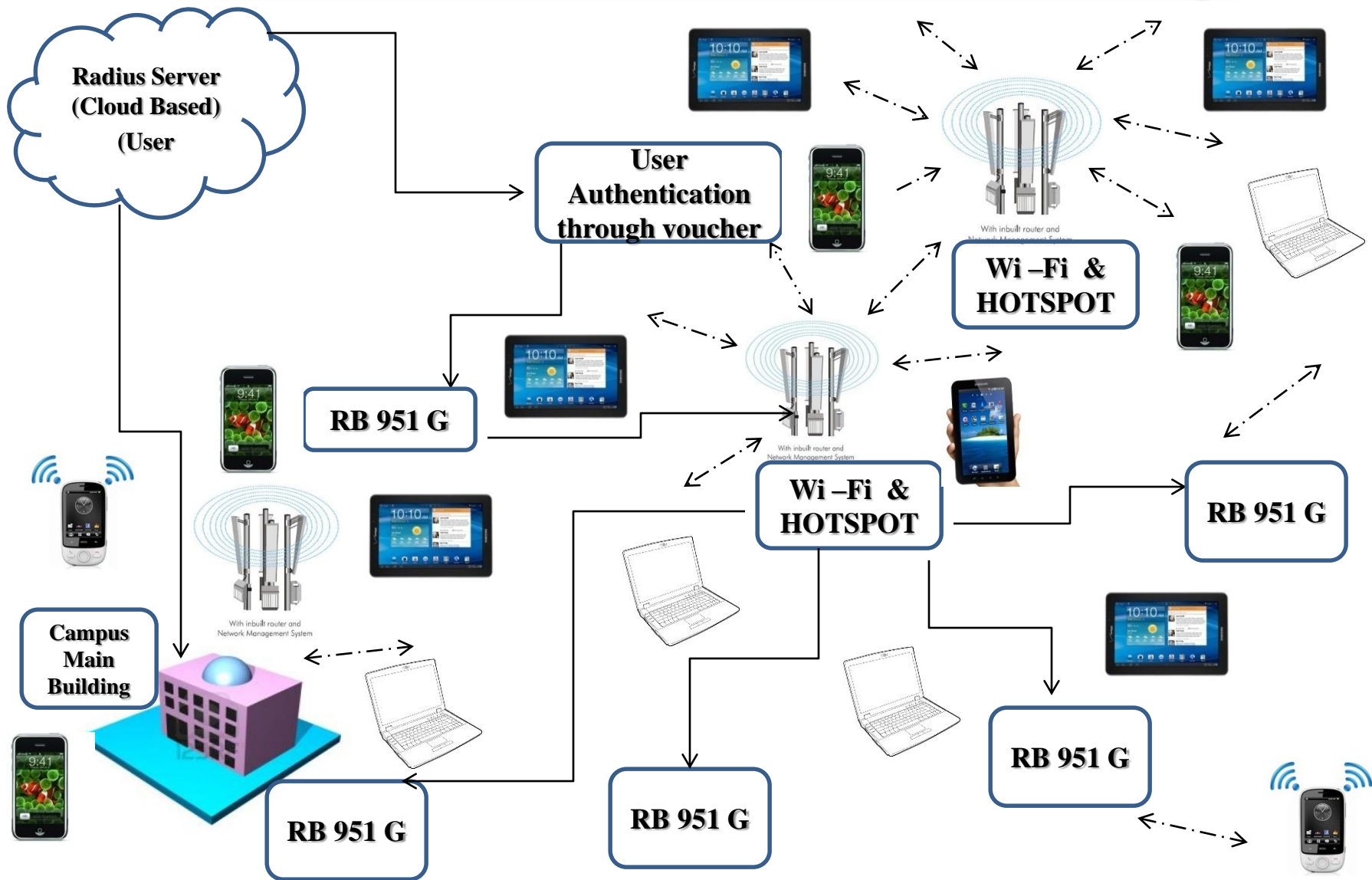
GPON



Community Broadband distribution - FTTH Connectivity



Use of MikroTik in FTTH - diag.



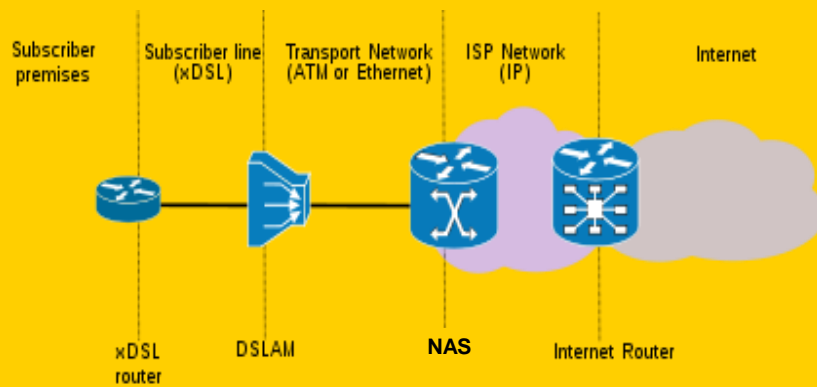
Mikrotik NAS (Network Access Server) Configure

□ What is NAS

□ Mikrotik NAS Setup with Hotspot

□ Mikrotik NAS Setup with PPPOE

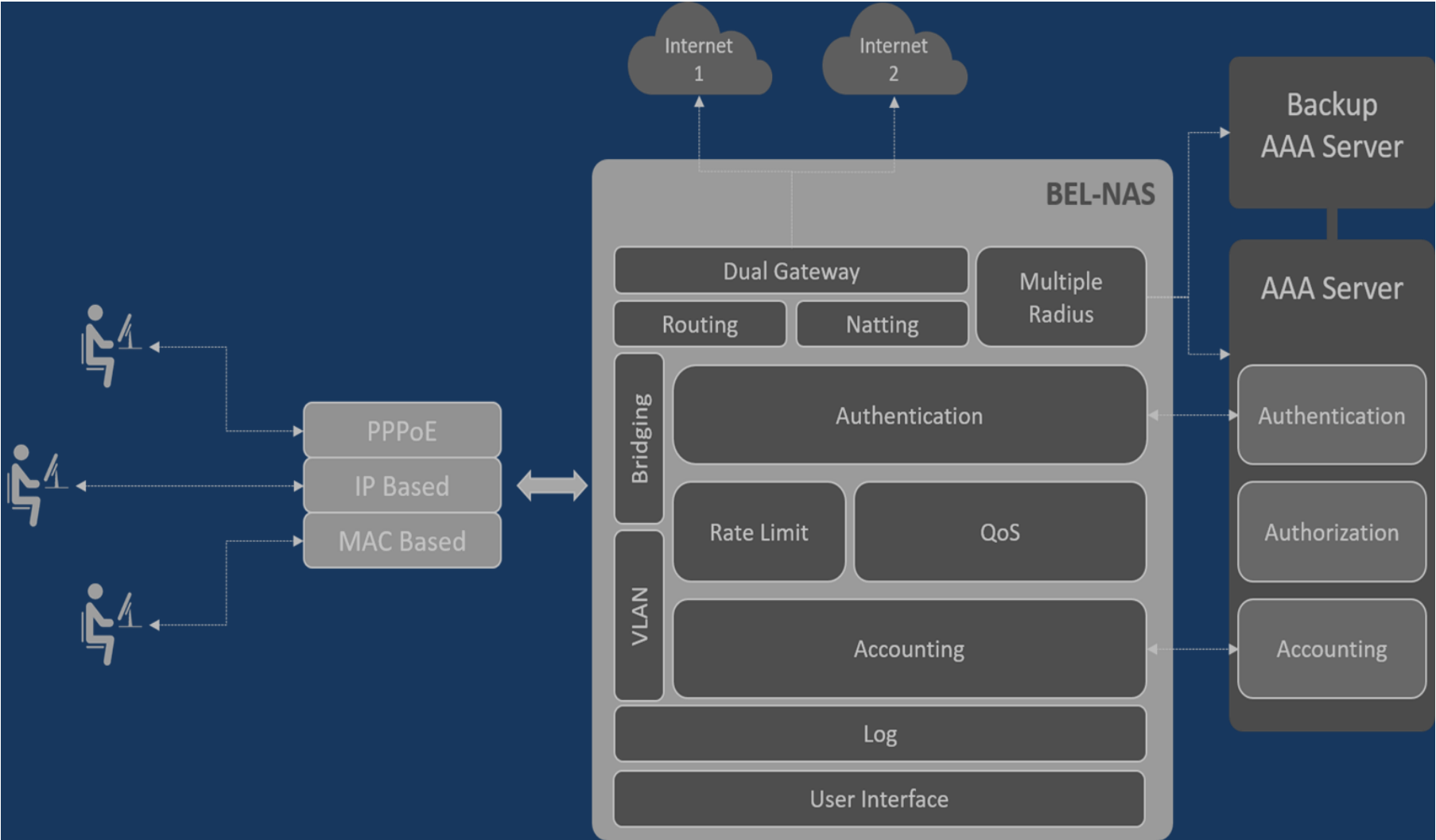
What Is NAS?



A Network Access Server (NAS) is a server that enables an independent service provider (ISP) to provide connected customers with Internet access. A network access server has interfaces to both the local telecommunication service provider such as the phone company and to the Internet backbone.

- The server authenticates users requesting login.
- It receives a dial-up call from each user host (such as your computer) that wants to access the Internet, performs the necessary steps to authenticate and authorize each user, usually by verifying a user name and password, and then allows requests to begin to flow between the user host and hosts (computers) elsewhere on the Internet.
- The term *network access server* may refer to a server devoted entirely to managing network access or to a server that also performs other functions as well.
- A network access server can be configured to provide a host of services such as VoIP, fax-over-IP, and voicemail-over-IP as well.

Mikrotik NAS Architecture (CMAYA & 24 Online)



Mikrotik NAS Datasheet

PROTOCOLS

- PPPoE (MPPE supported)
- IPPoE

SECURITY

- IP Address Tracking
- Duplicate Address Tracking (DAD)
- URPF (Unicast Reverse Path Forwarding)
- DDOS Control
- SPAM Control
- IP Filtering

DHCP SUPPORT

- DHCP Server for IPv4 / IPv6

QoS

- QoS per Service
- QoS per Group
- QoS per Subscriber
- Dynamic Bandwidth Management
- QoS on TOS
- QoS on Source/Destination
- IP address / Pool

SUBSCRIBER MANAGEMENT

- Radius Authentication – Full Radius Accounting
- PAP / CHAP /MSCHAP V-1/2
- Rate Limit
- BEL-RAS Pool / Radius Pool
- Static IP via Radius
- QoS via Radius (Hierarchical Module)
- Session Timeout
- Idle Session Timeout
- User Disconnect
- Radius CoA/DAE (Dynamic Authorisation Extension)

NATTING (N/W BEHIND IP)

- CG NAT (NAT 444)
- SNAT
- DNAT

LOGS

- Authentication
- Connection tracking logs
- Per session logging support
- Log to file
- Log to remote host

MANAGEMENT

- Basic User Statistics
- Full User Statistics
- Basic System Element Statistics
- Full System Element Statistics
- NTP
- Analytics

ADDITIONAL FEATURES

- IP Pools for – Wrong Password, Expired User, Wrong MAC
- Real time QoS user update
- Real time Group Policy Updating
- IP/URL Whitelisting

Mikrotik -NAS Value Proposition



Business Focus
Helps you focus on customer acquisition while we manage your systems



Quick Deployment
SaaS based platform can be implemented quickly reducing go to market time



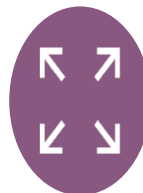
Cost Savings
Pay as you go pricing reduces Capex. Also features helps you reduce your other costs



Management & Support
One stop solution reduces your vendor management efforts. Our 24x7 support also helps



Network Security
Highly secured system protects you from the network threats & reduces losses



Scalability
Highly scalable system to support the growth of your user base

□ Mikrotik NAS Setup with Hotspot

Configuration LAN , WAN & RADIUS

The screenshot displays the RouterOS WinBox interface. On the left sidebar, the 'IP' menu item is circled in red. The main window shows the 'Address List' dialog with a table of IP addresses. The 'WAN' entry is selected, and a configuration dialog is open for it. A second dialog is open to add a comment 'WAN' to the selected address.

Address	Network	Interface
::: LAN		
192.168.1.1/24	192.168.1.0	ether3
::: WAN		
192.168.88.2/...	192.168.88.0	ether1

Address <192.168.88.2/24>

Address: 192.168.88.2/24
Network: 192.168.88.0
Interface: ether1

Comment for Address <192.168.88.2/24>

WAN

➤ Go to IP - Add IP For LAN & WAN

Configuration LAN , WAN & RADIUS

The screenshot displays the RouterOS WinBox interface in Safe Mode. The left sidebar contains a navigation menu with the following items: Quick Set, CAPsMAN, Interfaces, Wireless, Bridge, PPP, Switch, Mesh, IP, IPv6, MPLS, OpenFlow, Routing, System, Queues, Files, Log, Radius, Tools, New Terminal, MetaROUTER, Partition, Make Supout.tif, Manual, and Exit. The main window shows the 'Address List' dialog box with two entries:

Address	Network	Interface
192.168.1.1/24	192.168.1.0	ether3
::: WAN		
192.168.88.1/...	192.168.88.0	ether1

Below the table, it indicates '2 items (1 selected)'. The status 'enabled' is shown at the bottom of the dialog. A secondary dialog box titled 'Address <192.168.1.1/24>' is open, showing the configuration for the selected address:

- Address: 192.168.1.1/24
- Network: 192.168.1.0
- Interface: ether3

Buttons for OK, Cancel, Apply, Disable, Comment, Copy, and Remove are visible. A third dialog box titled 'Comment for Address <192.168.1.1/24>' is also open, with the text 'LAN' entered in the comment field. The status bar at the bottom left reads 'RouterOS WinBox'.

Configuration LAN , WAN & RADIUS

The screenshot shows the RouterOS WinBox interface in Safe Mode. The left sidebar contains a menu with the following items: Quick Set, CAPsMAN, Interfaces, Wireless, Bridge, PPP, Switch, Mesh, IP, IPv6, MPLS, OpenFlow, Routing, System, Queues, Files, Log, Radius, Tools, New Terminal, MetaROUTER, Partition, Make Supout.rtf, Manual, and Exit. The main area displays the Address List window, which is a table with columns for Address, Network, and Interface. The table contains two entries: LAN (192.168.1.1/24 on ether3) and WAN (192.168.88.2/24 on ether1). The WAN entry is selected. The status bar at the bottom of the window indicates "2 items (1 selected)".

Address	Network	Interface
::: LAN		
192.168.1.1/24	192.168.1.0	ether3
::: WAN		
192.168.88.2/24	192.168.88.0	ether1

Configuration LAN , WAN & RADIUS

The screenshot displays the RouterOS WinBox interface. On the left is a vertical menu with various configuration options. The main area shows the 'DNS Settings' dialog box. In this dialog, the 'Servers' section has two input fields: the top one contains '8.8.8.8' and the bottom one contains '4.2.2.2'. These two fields are circled in red. Other settings in the dialog include 'Dynamic Servers' (empty), 'Allow Remote Requests' (checked), 'Max UDP Packet Size' (4096), 'Query Server Timeout' (2.000 s), 'Query Total Timeout' (10.000 s), 'Cache Size' (2048 KiB), 'Cache Max TTL' (7d 00:00:00), and 'Cache Used' (9). Buttons for 'OK', 'Cancel', 'Apply', 'Static', and 'Cache' are also visible.

➤ Go to IP – DNS – Add DNS Server

Configuration LAN , WAN & RADIUS

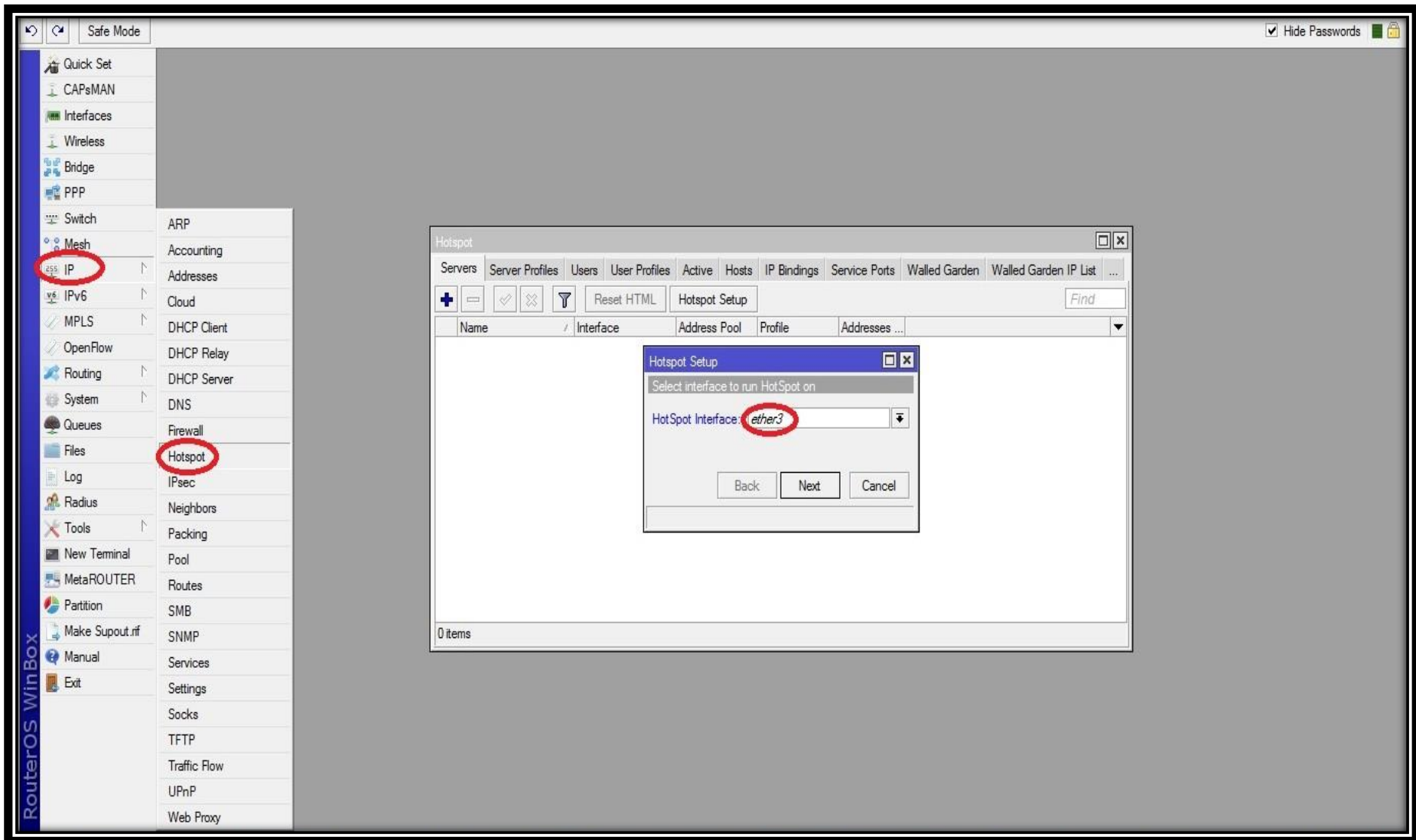
The screenshot displays the RouterOS WinBox configuration interface. The left sidebar shows the navigation tree with 'IP' and 'Routes' highlighted. The main window is divided into three panes:

- Route List:** A table showing the current routing table with 3 items (1 selected).
- Route <0.0.0.0/0>:** Configuration details for the default route.

	Routes	NextHops	Rules	VRF
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
AS	▶ 0.0.0.0/0	192.168.88.1	reachable	ether1
DC	▶ 192.168.1.0/24	ether3	unreachable	
DAC	▶ 192.168.88.0/...	ether1	reachable	

General	Attributes
Dst. Address:	0.0.0.0/0
Gateway:	192.168.88.1 reachable ether1
Check Gateway:	
Type:	unicast
Distance:	1
Scope:	30
Target Scope:	10
Routing Mark:	
Pref. Source:	

➤ Go to IP – Routes – Add Gateway



➤ **Go to IP – Hotspot – Hotspot Setup – Select Hotspot Interface (LAN Interface) – Click Next**

Configuration LAN , WAN & RADIUS

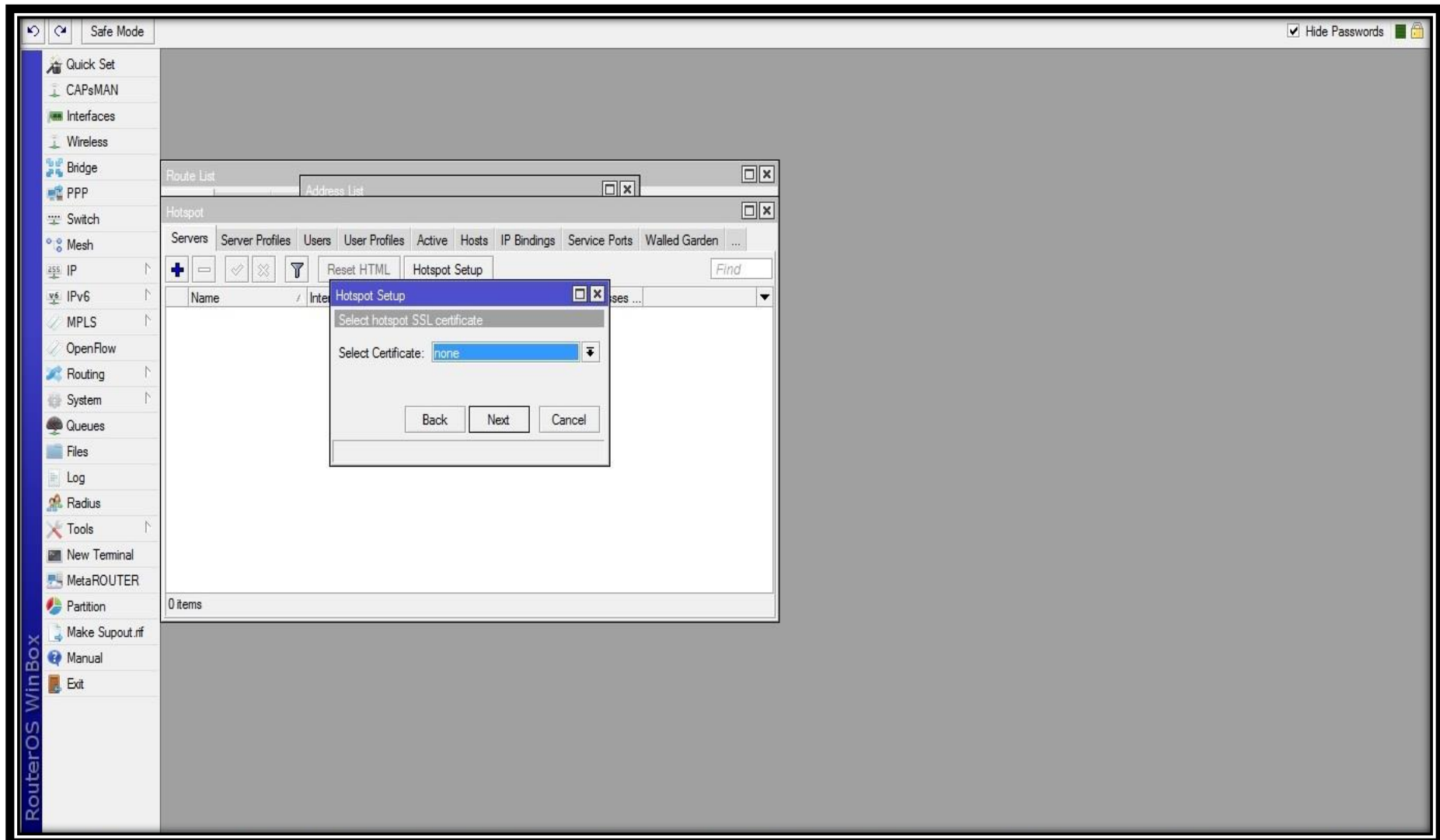
The screenshot displays the Mikrotik WinBox interface. On the left is a vertical sidebar with a 'RouterOS WinBox' label and a list of menu items including Quick Set, CAPsMAN, Interfaces, Wireless, Bridge, PPP, Switch, Mesh, IP, IPv6, MPLS, OpenFlow, Routing, System, Queues, Files, Log, Radius, Tools, New Terminal, MetaROUTER, Partition, Make Supout.rf, Manual, and Exit. The main window shows the 'Hotspot' configuration page with tabs for Servers, Server Profiles, Users, User Profiles, Active, Hosts, IP Bindings, Service Ports, Walled Garden, and Walled Garden IP List. A 'Hotspot Setup' dialog box is open, titled 'Hotspot Setup', with a subtitle 'Set HotSpot address for interface'. It contains a text field for 'Local Address of Network' with the value '192.168.1.1/24'. Below this field, the checkbox 'Masquerade Network' is checked and circled in red. At the bottom of the dialog are 'Back', 'Next', and 'Cancel' buttons. The background window shows a table with columns for Name, Interface, Address Pool, Profile, and Addresses, currently displaying 0 items.

➤ **Click Masquerade Network – Click Next**

Configuration LAN , WAN & RADIUS

The screenshot displays the Mikrotik WinBox configuration interface. On the left is a vertical sidebar labeled "RouterOS WinBox" containing various configuration categories such as Quick Set, CAPsMAN, Interfaces, Wireless, Bridge, PPP, Switch, Mesh, IP, IPv6, MPLS, OpenFlow, Routing, System, Queues, Files, Log, Radius, Tools, New Terminal, MetaROUTER, Partition, Make Supout.rf, Manual, and Exit. The main window is titled "Hotspot" and features a top menu bar with tabs: Servers, Server Profiles, Users, User Profiles, Active, Hosts, IP Bindings, Service Ports, Walled Garden, and Walled Garden IP List. Below the menu bar are several icons and buttons, including a plus sign, minus sign, checkmark, and a "Hotspot Setup" button. A table with columns "Name", "Interface", "Address Pool", "Profile", and "Addresses ..." is visible, currently showing "0 items". A modal dialog box titled "Hotspot Setup" is open in the foreground, containing the text "Set pool for HotSpot addresses" and a dropdown menu for "Address Pool of Network:" with the value "192.168.1.2-192.168.1.254" selected. The dialog also includes "Back", "Next", and "Cancel" buttons.

Configuration LAN , WAN & RADIUS



Configuration LAN , WAN & RADIUS

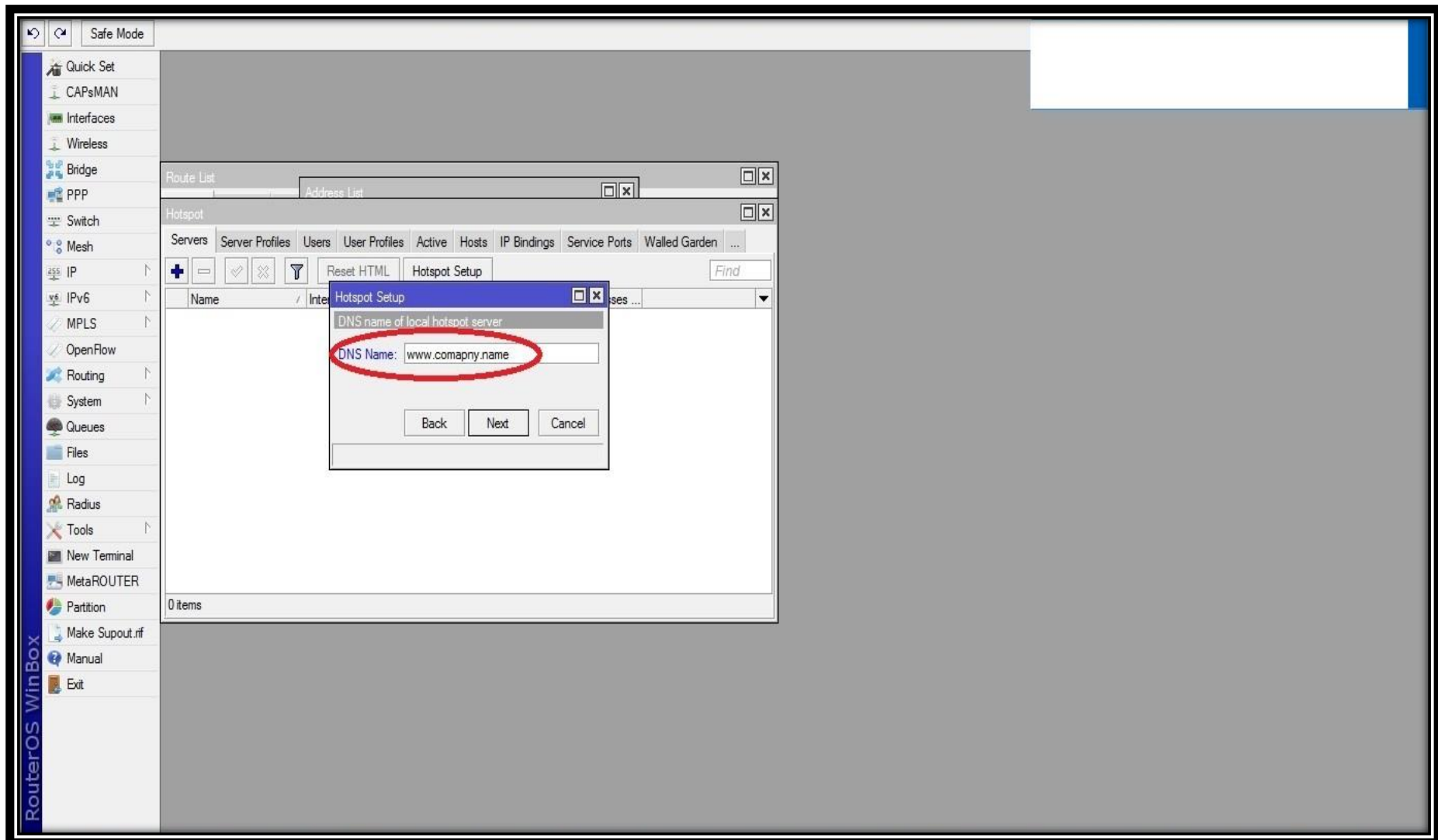
The image shows a screenshot of the Mikrotik WinBox configuration interface. The main window displays the 'Hotspot' configuration page, which is currently empty, showing '0 items' in a table. A 'Hotspot Setup' dialog box is open in the foreground, titled 'Select SMTP server'. It contains a text input field labeled 'IP Address of SMTP Server:' with the value '0.0.0.0' entered. Below the input field are three buttons: 'Back', 'Next', and 'Cancel'. The background interface includes a sidebar with various configuration categories such as 'Quick Set', 'CAPsMAN', 'Interfaces', 'Wireless', 'Bridge', 'PPP', 'Switch', 'Mesh', 'IP', 'IPv6', 'MPLS', 'OpenFlow', 'Routing', 'System', 'Queues', 'Files', 'Log', 'Radius', 'Tools', 'New Terminal', 'MetaROUTER', 'Partition', 'Make Supout.rf', 'Manual', and 'Exit'. The top of the window shows 'Safe Mode' and a 'Hide Passwords' checkbox.

Configuration LAN , WAN & RADIUS

The screenshot displays the Mikrotik WinBox configuration interface. On the left is a vertical sidebar with a blue background labeled "RouterOS WinBox" and a list of menu items: Quick Set, CAPsMAN, Interfaces, Wireless, Bridge, PPP, Switch, Mesh, IP, IPv6, MPLS, OpenFlow, Routing, System, Queues, Files, Log, Radius, Tools, New Terminal, MetaROUTER, Partition, Make Supout.rf, Manual, and Exit. The main window is titled "Safe Mode" and contains several overlapping windows. The "Hotspot" window is active, showing tabs for Servers, Server Profiles, Users, User Profiles, Active, Hosts, IP Bindings, Service Ports, and Walled Garden. The "Hotspot Setup" sub-window is open, displaying "Setup DNS configuration" with two input fields for "DNS Servers" containing the values "8.8.8.8" and "4.2.2.2". Below these fields are "Back", "Next", and "Cancel" buttons. Other windows visible include "Route List", "Address List", and a table with "0 items".

➤ **Click Next & Check again DNS**

Configuration LAN , WAN & RADIUS



➤ Put your DNS Server Name (Ex - www. company.name) – Click Next

Configuration LAN , WAN & RADIUS

The screenshot displays the RouterOS WinBox interface. On the left is a vertical sidebar labeled "RouterOS WinBox" containing various system tools and configuration options such as "Quick Set", "CAPsMAN", "Interfaces", "Wireless", "Bridge", "PPP", "Switch", "Mesh", "IP", "IPv6", "MPLS", "OpenFlow", "Routing", "System", "Queues", "Files", "Log", "Radius", "Tools", "New Terminal", "MetaROUTER", "Partition", "Make Supout.rf", "Manual", and "Exit".

The main window shows the "Hotspot" configuration page. The "Hotspot Setup" tab is active, and a "Hotspot Setup" dialog box is open in the foreground. The dialog box has a title bar "Hotspot Setup" and a subtitle "Create local HotSpot user". It contains two input fields: "Name of Local HotSpot User:" with the text "admin" entered, and "Password for the User:". Below the fields are three buttons: "Back", "Next", and "Cancel".

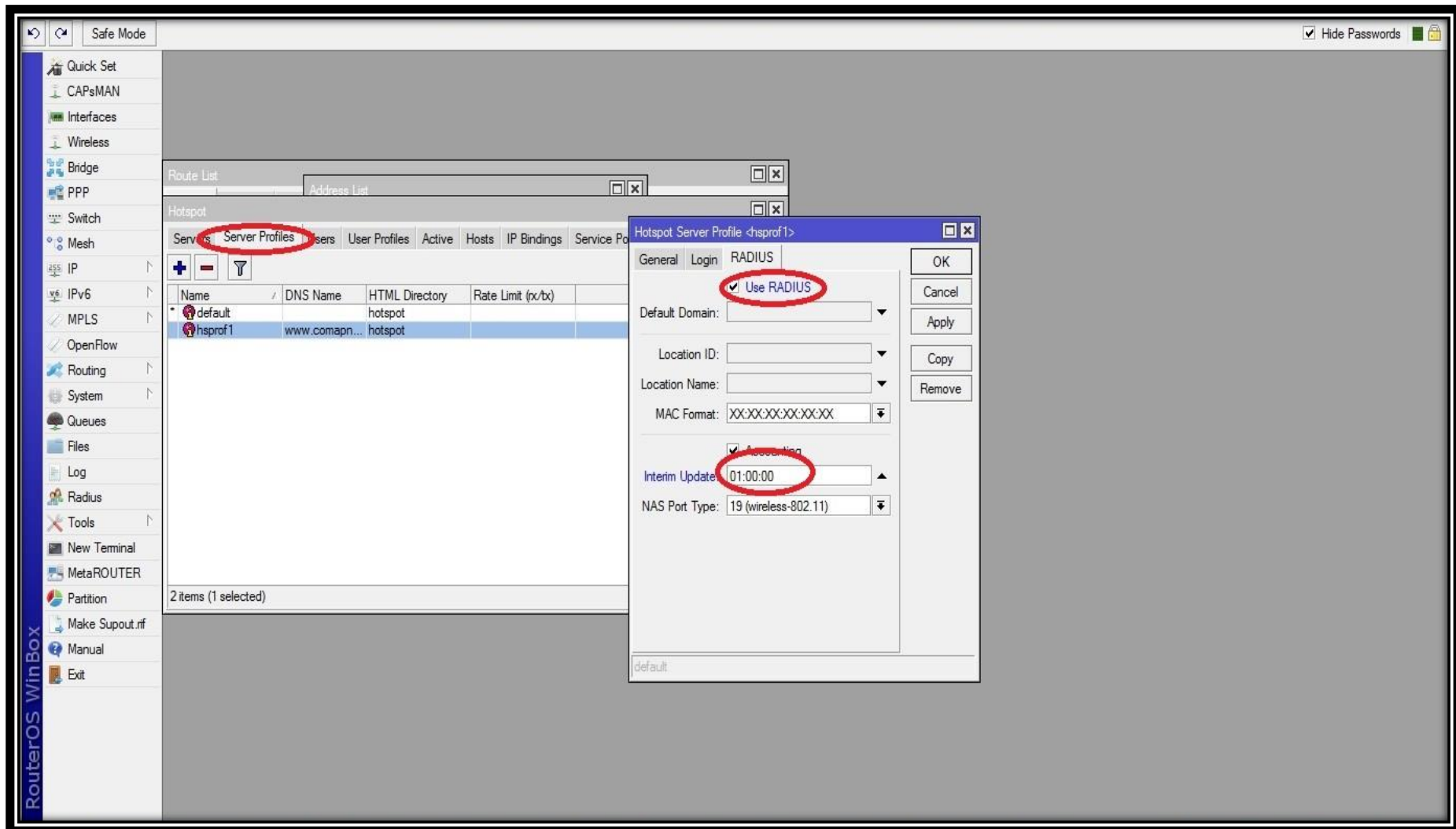
The background interface shows a table with columns "Name" and "Inte" (likely Interface). The table is currently empty, showing "0 items".

Configuration Hotspot

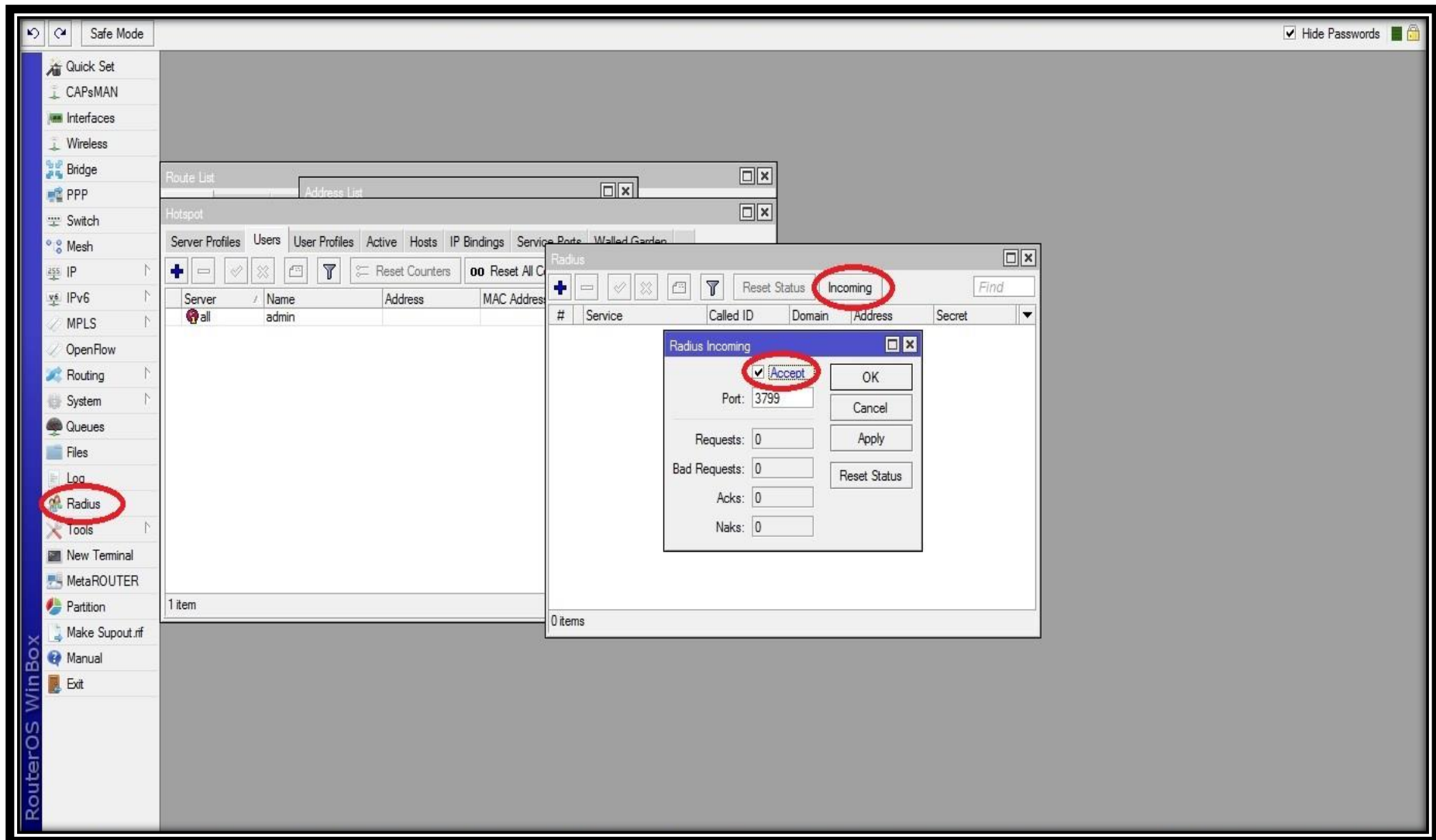
The screenshot displays the RouterOS WinBox interface. On the left is a vertical menu with various configuration categories such as Quick Set, CAPsMAN, Interfaces, Wireless, Bridge, PPP, Switch, Mesh, IP, IPv6, MPLS, OpenFlow, Routing, System, Queues, Files, Log, Radius, Tools, New Terminal, MetaROUTER, Partition, Make Supout.rf, Manual, and Exit. The main window shows the 'Hotspot' configuration page, which includes tabs for Servers, Server Profiles, Users, User Profiles, Active, Hosts, IP Bindings, Service Ports, and Walled Garden. A table lists the configured hotspots:

Name	Interface	Address Pool	Profile	Addresses ...
hotspot1	ether3	hs-pool-3	hsprof1	2

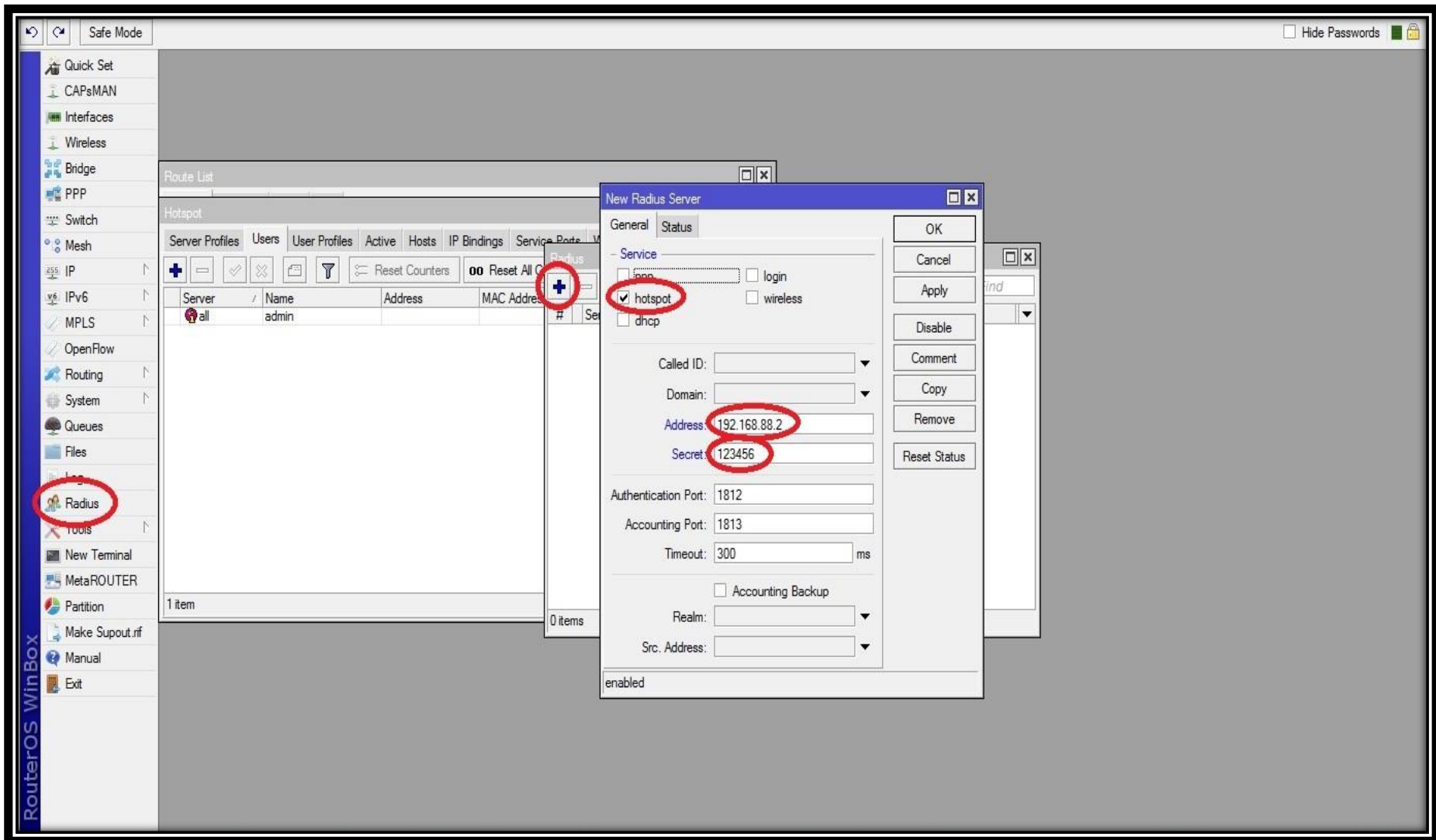
A 'Hotspot Setup' dialog box is overlaid on the table, displaying the message 'Setup has completed successfully' and an 'OK' button. The dialog box is titled 'Hotspot Setup' and contains the text 'Setup has completed successfully' and an 'OK' button.



➤ **IP – Hotspot – Server Profile – Double Click on Hotspot1
- Click Use Radius.**



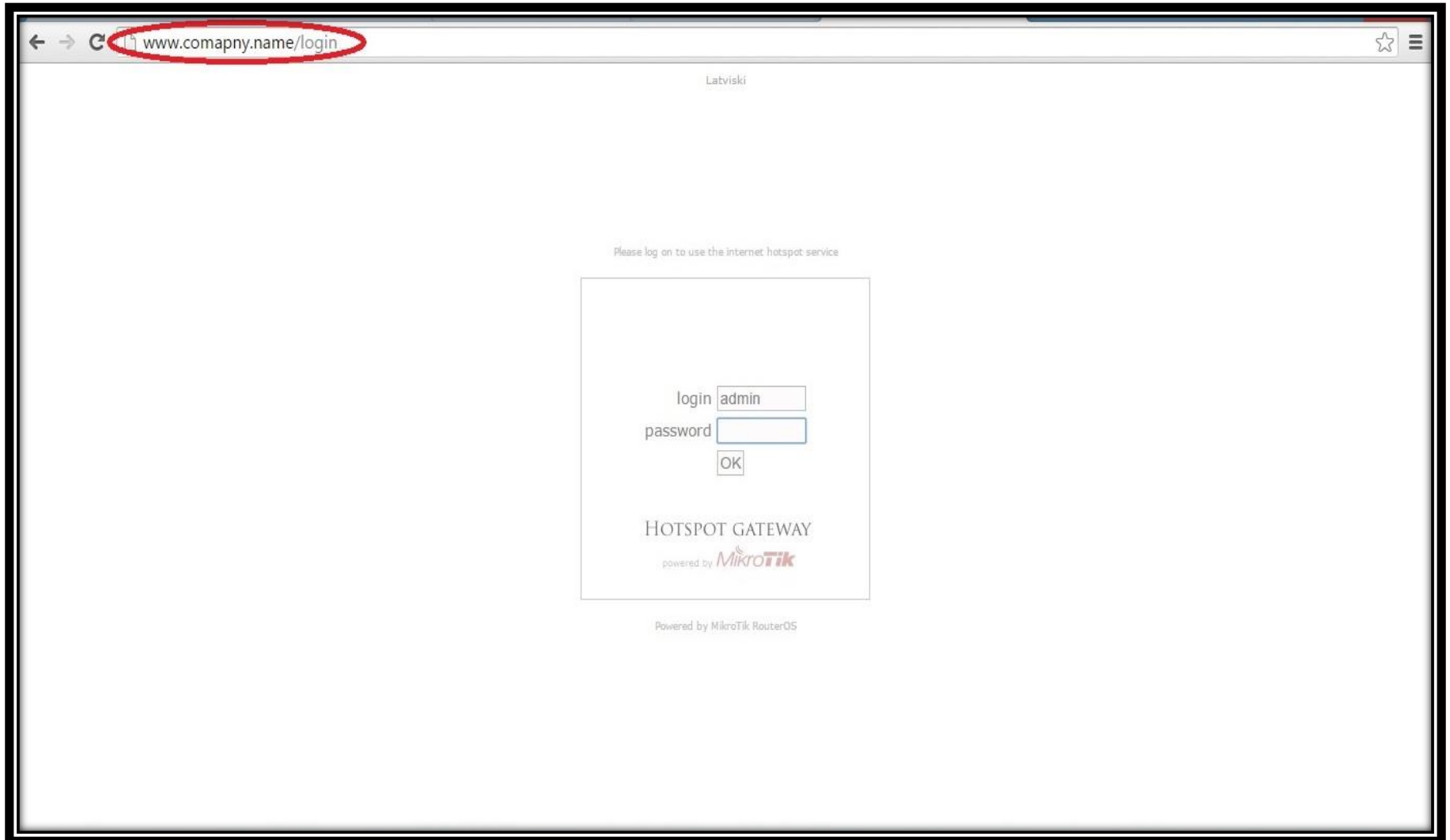
➤ **Click Radius – Click Incoming – Click Accept**



➤ Click Radius – Click Add – Click Hotspot – Put Address (Radius IP) and Secret (123456)

- **Then connect your Laptop through your Mikrotik NAS LAN port and obtain an IP address automatically (If DHCP Enable).**

Mikrotik Hotspot Page



➤ **Open any Browser and type your DNS server name or your LAN gateway and login through admin**

□ Mikrotik NAS Setup with PPPOE

Configuration LAN & WAN

The screenshot displays the RouterOS WinBox interface. On the left sidebar, the 'IP' menu item is circled in red. The main window shows the 'Address List' dialog with a table of IP addresses. The 'WAN' entry is selected, and a secondary dialog is open to configure its details. A third dialog is open to add a comment 'WAN' to the selected address.

Address	Network	Interface
::: LAN		
192.168.1.1/24	192.168.1.0	ether3
::: WAN		
192.168.88.2/24	192.168.88.0	ether1

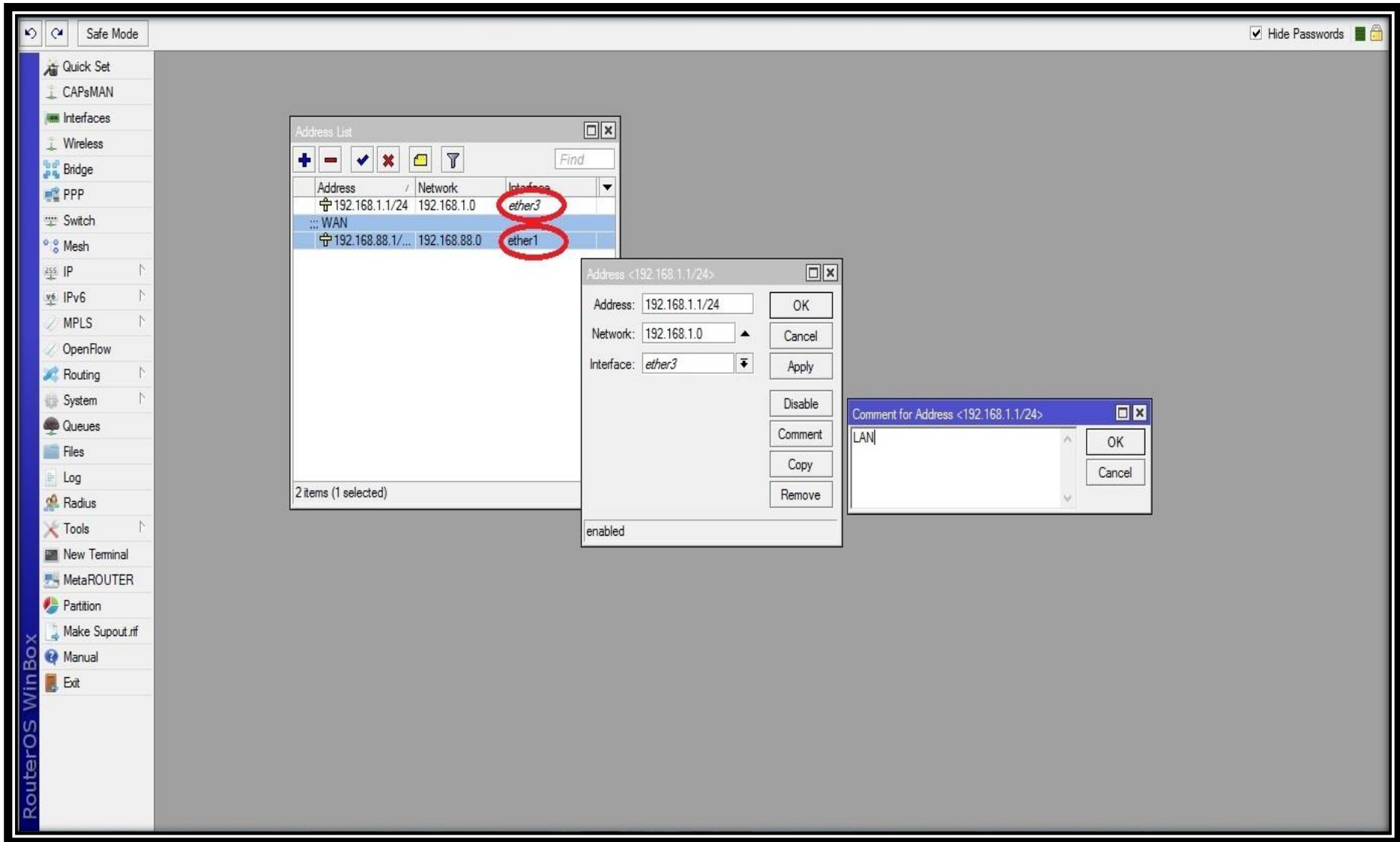
Address <192.168.88.2/24>

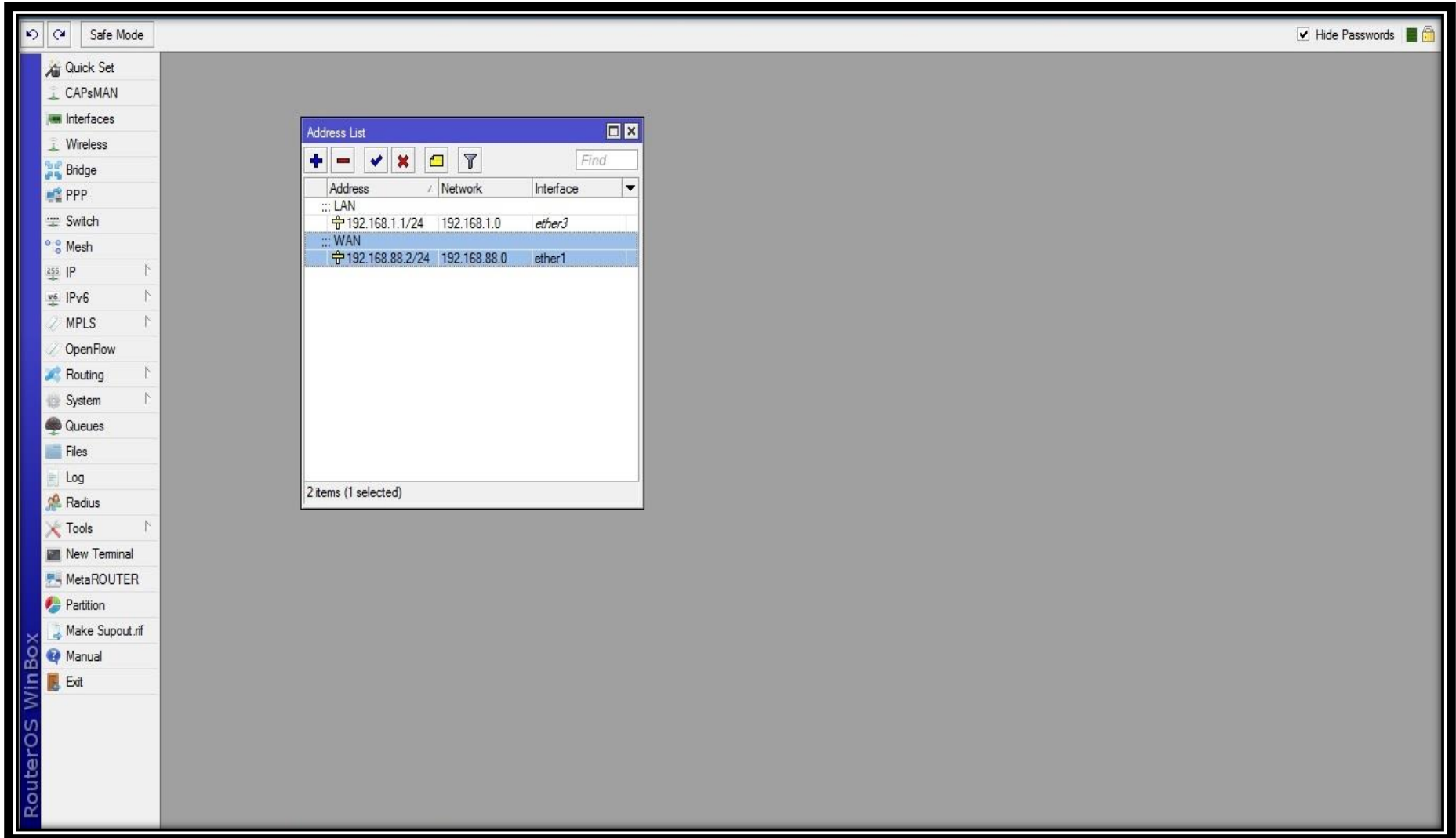
Address: 192.168.88.2/24
Network: 192.168.88.0
Interface: ether1

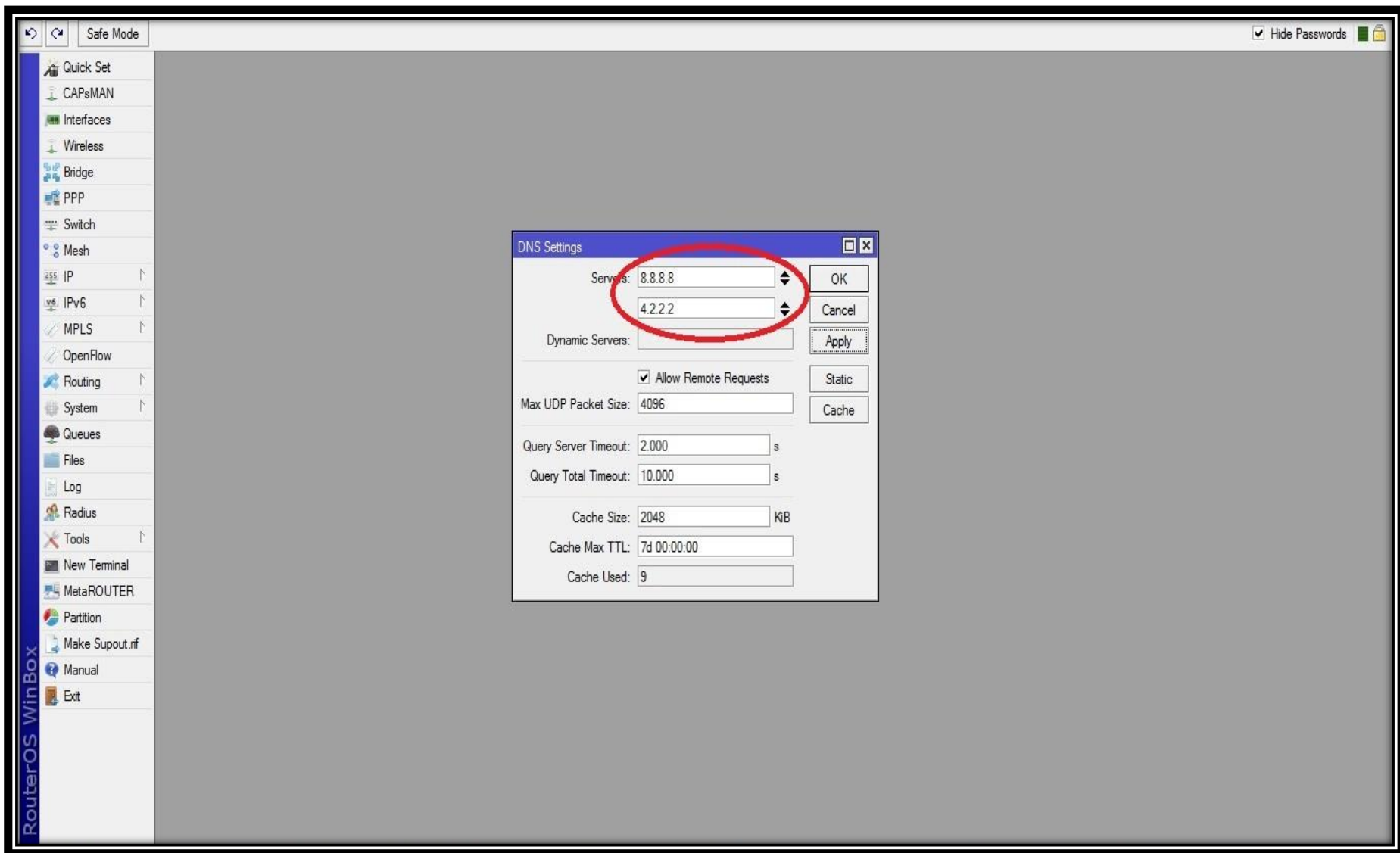
Comment for Address <192.168.88.2/24>

WAN

➤ Go to IP - Add IP For LAN & WAN







➤ Go to IP – DNS – Add DNS Server

RouterOS WinBox

Safe Mode

Hide Passwords

Quick Set
CAPsMAN
Interfaces
Wireless
Bridge
PPP
Switch
Mesh
IP
IPv6
MPLS
OpenFlow
Routing
System
Queues
Files
Log
Radius
Tools
New Terminal
MetaROUTER
Partition
Make Supout.rf
Manual
Exit

ARP
Accounting
Addresses
Cloud
DHCP Client
DHCP Relay
DHCP Server
DNS
Firewall
Hotspot
IPsec
Neighbors
Packing
Pool
Routes
SMB
SNMP
Services
Settings
Socks
TFTP
Traffic Flow
UPnP
Web Proxy

Route List

	Dst. Address	Gateway
AS	0.0.0.0/0	192.168.88.1 reachable ether1
DC	192.168.1.0/24	ether3 unreachable
DAC	192.168.88.0/...	ether1 reachable

3 items (1 selected)

Route <0.0.0.0/0>

General Attributes

Dst. Address: 0.0.0.0/0

Gateway: 192.168.88.1 reachable ether1

Check Gateway: []

Type: unicast

Distance: 1

Scope: 30

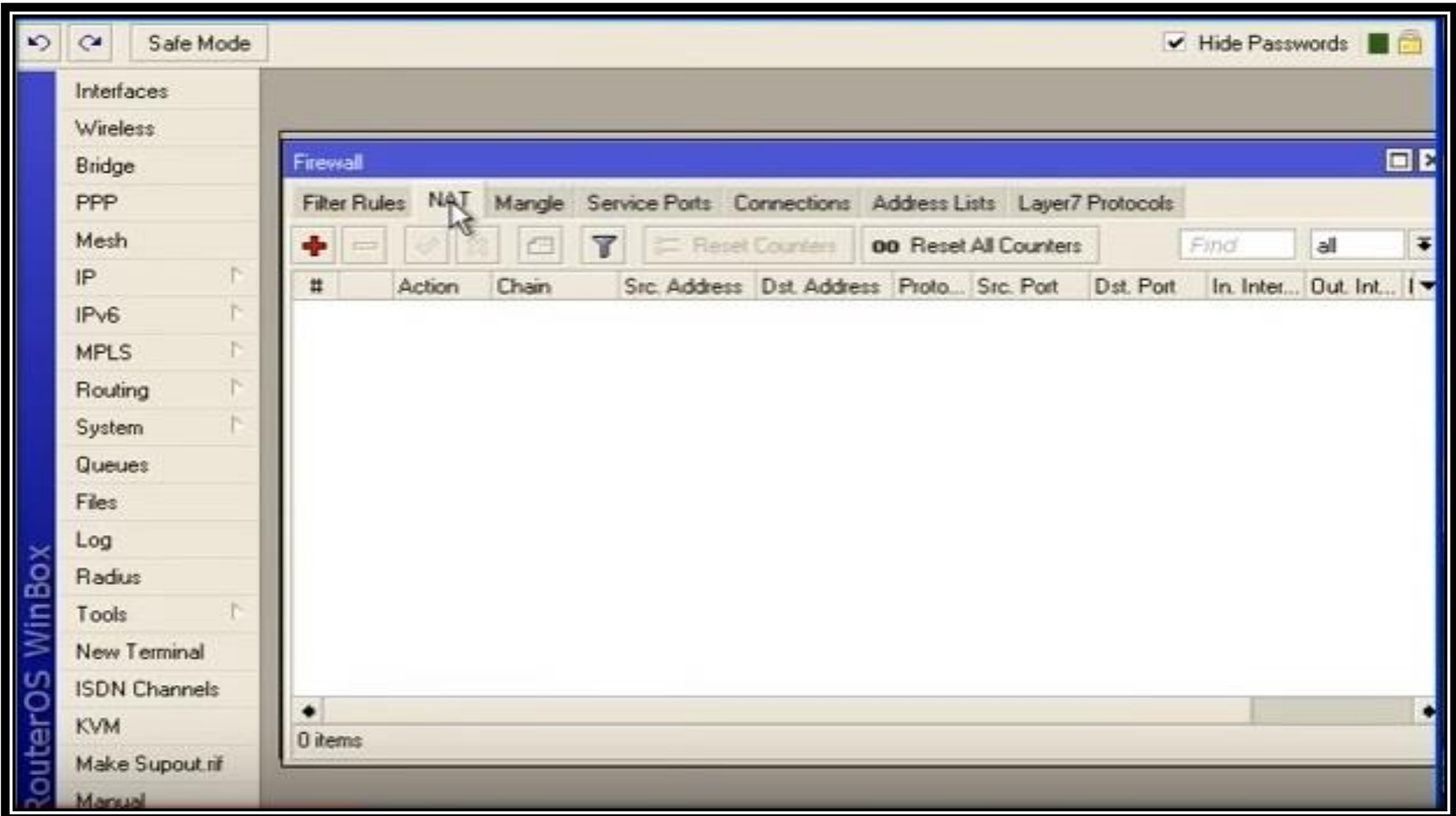
Target Scope: 10

Routing Mark: []

Pref. Source: []

enabled active static

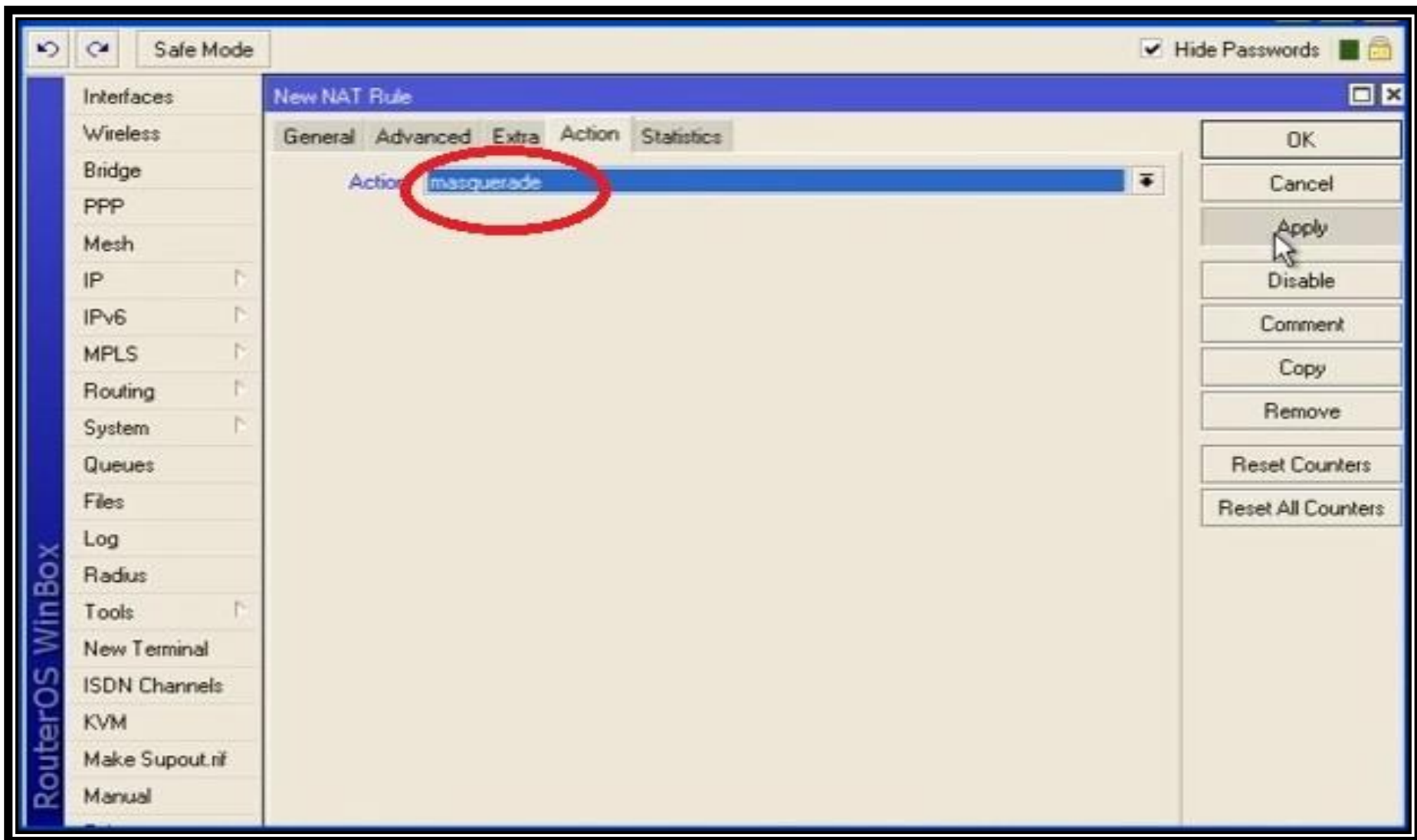
➤ **Go to IP – Routes – Add Gateway**



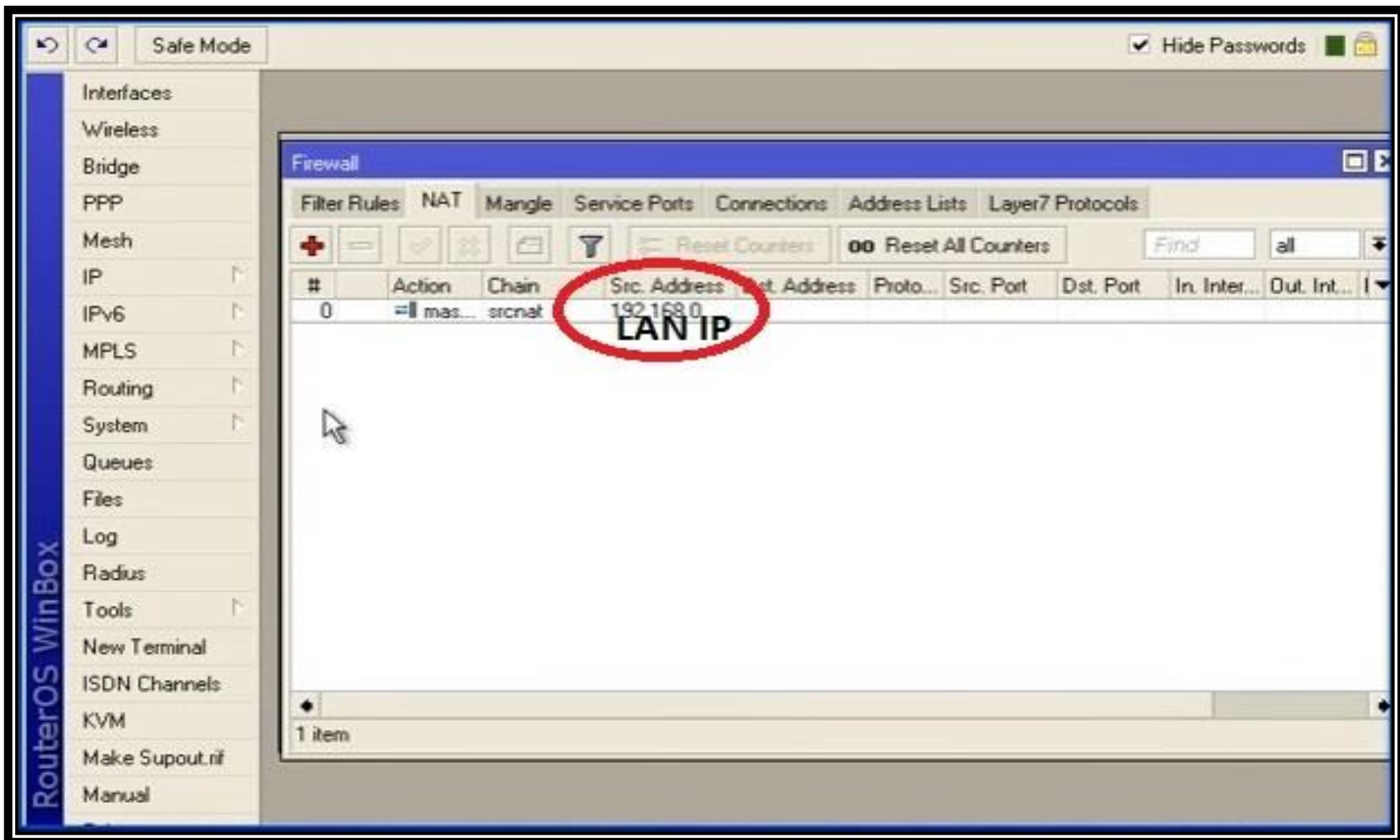
➤ Go to IP – Firewall – NAT



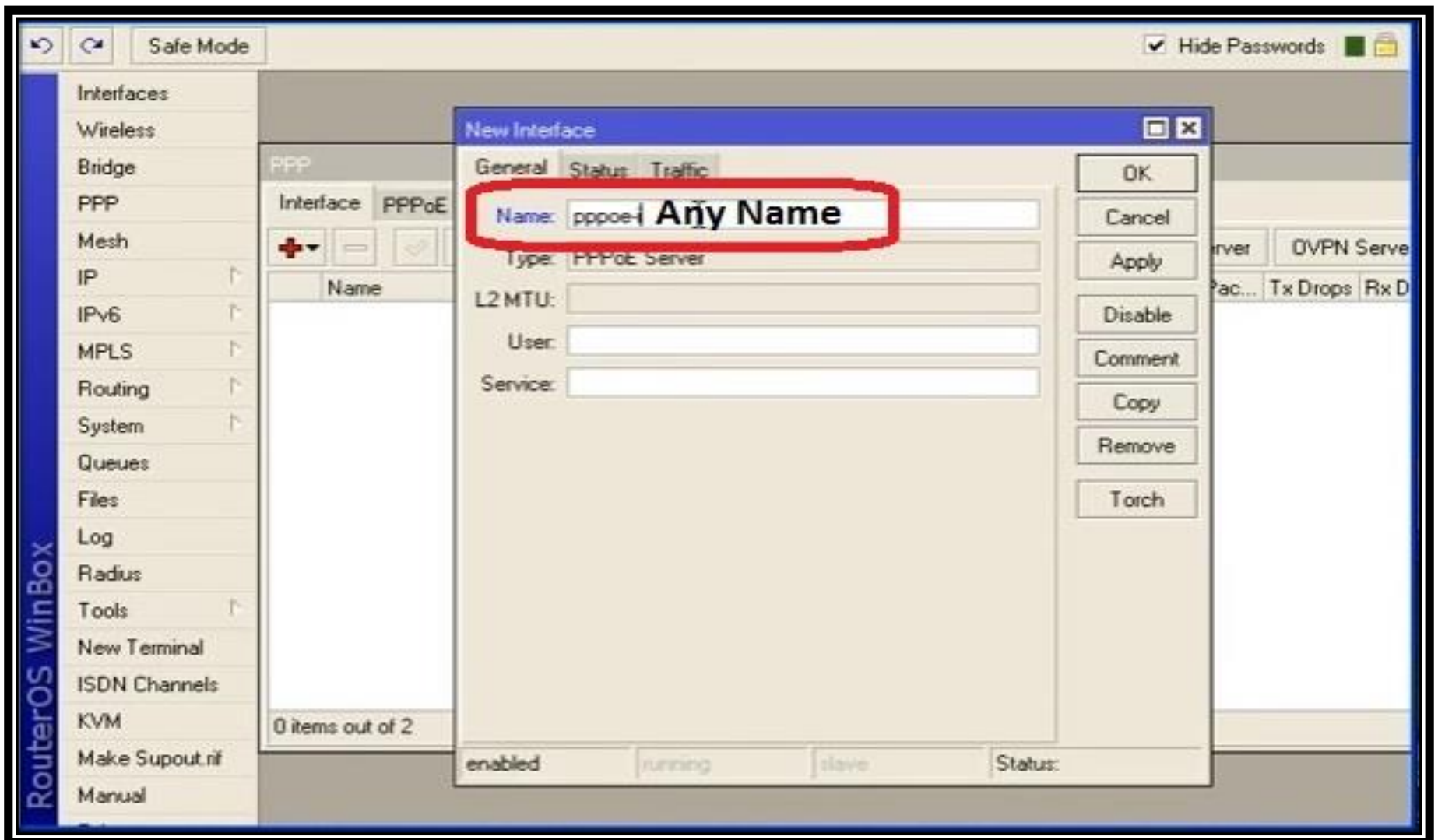
➤ Add NAT Rule – Chain – srcnat – Src. Address (LAN IP)



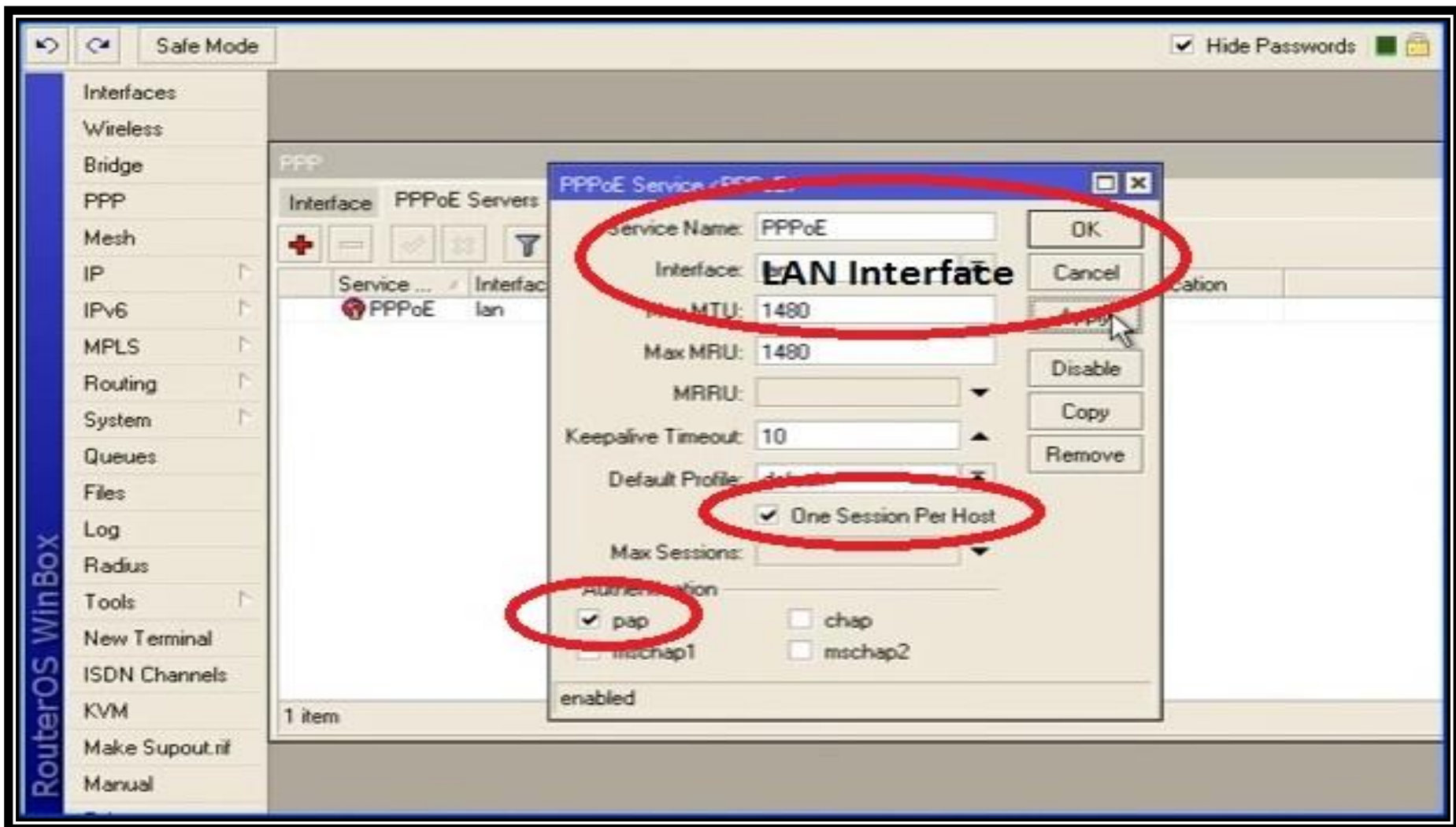
➤ Go to Action – Select Masquerade – Apply & Ok



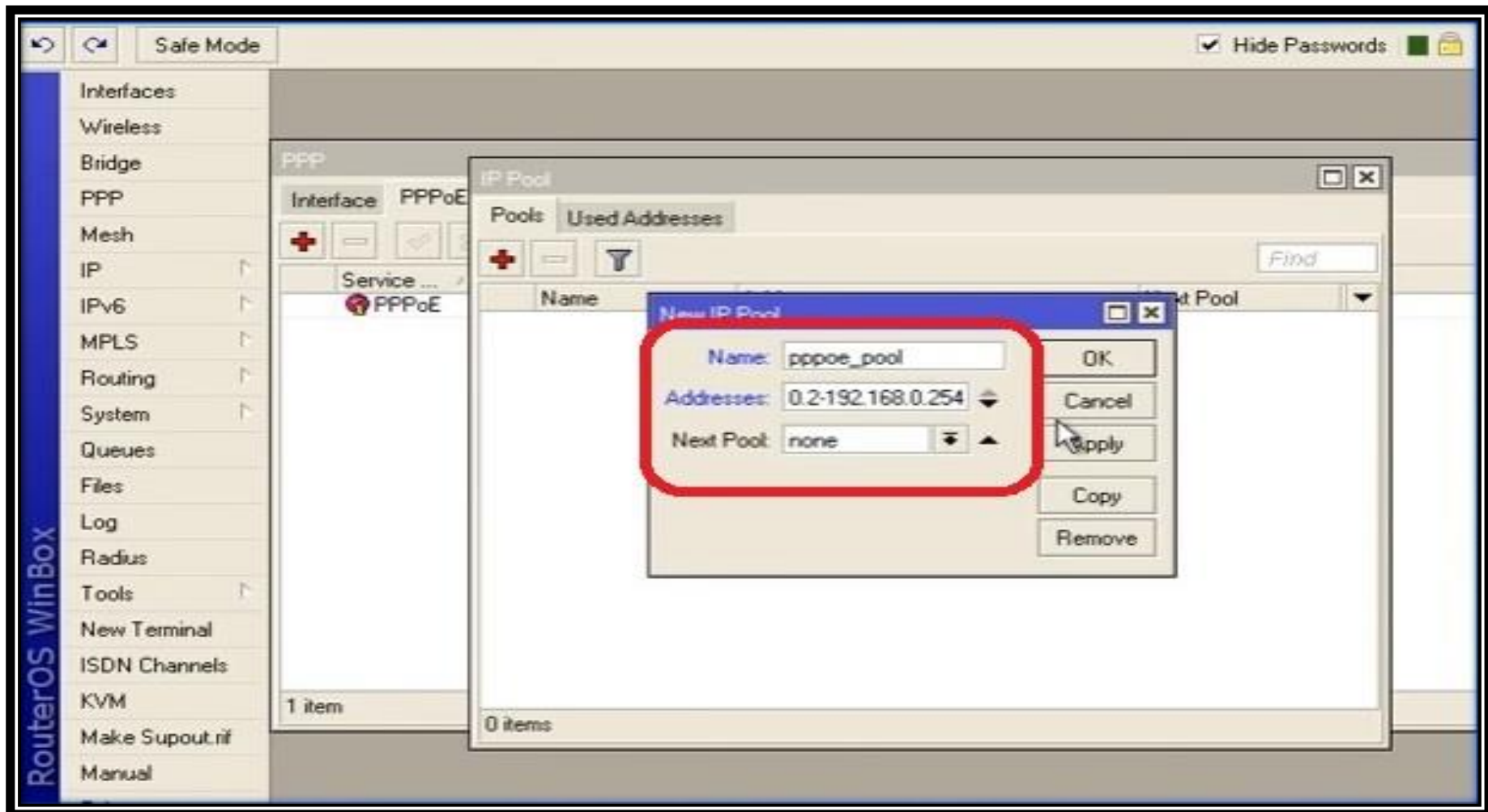
➤ Please Check Once NAT Rule



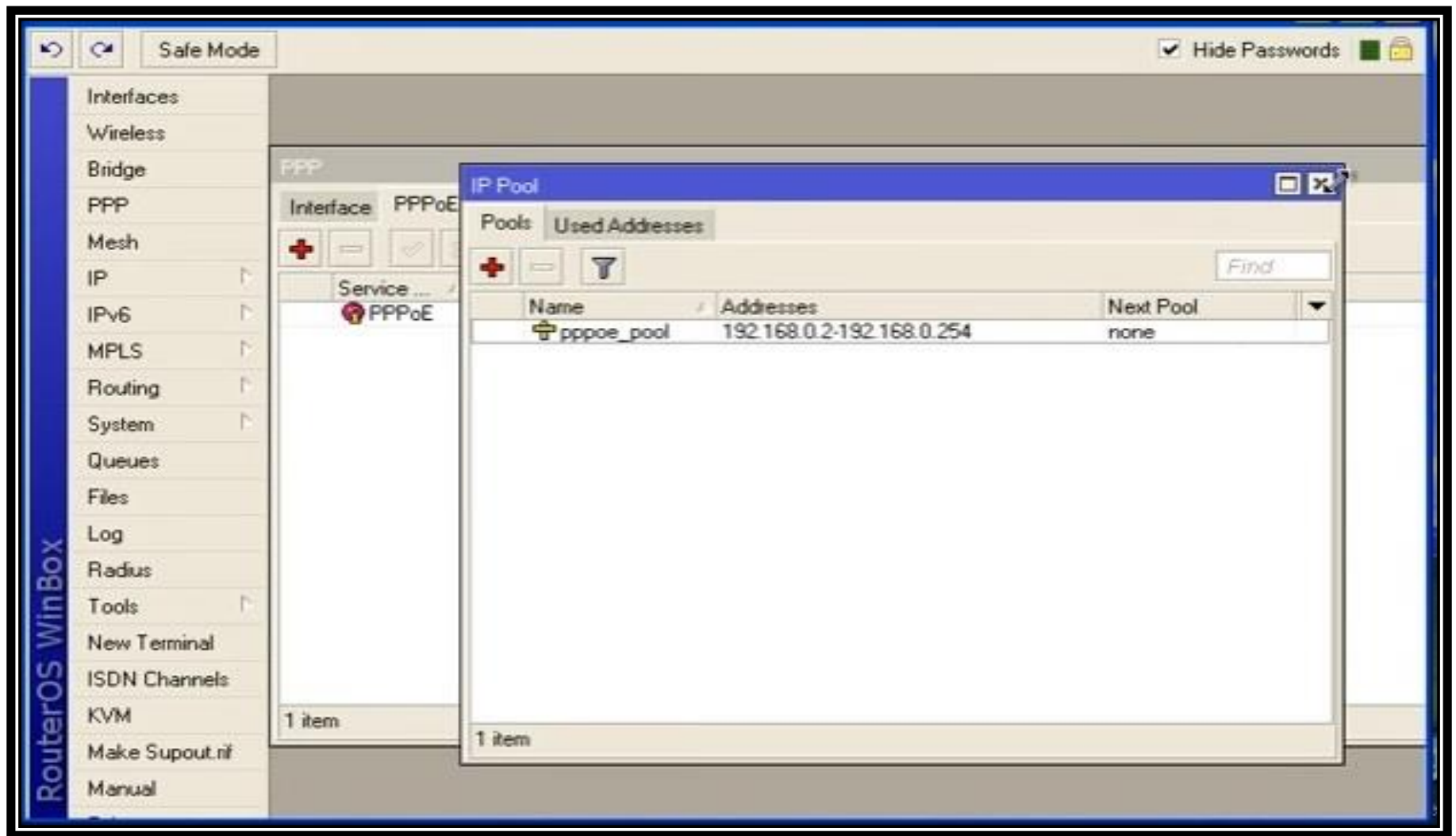
➤ Go to PPP – Interface – Set Name- Apply & Ok



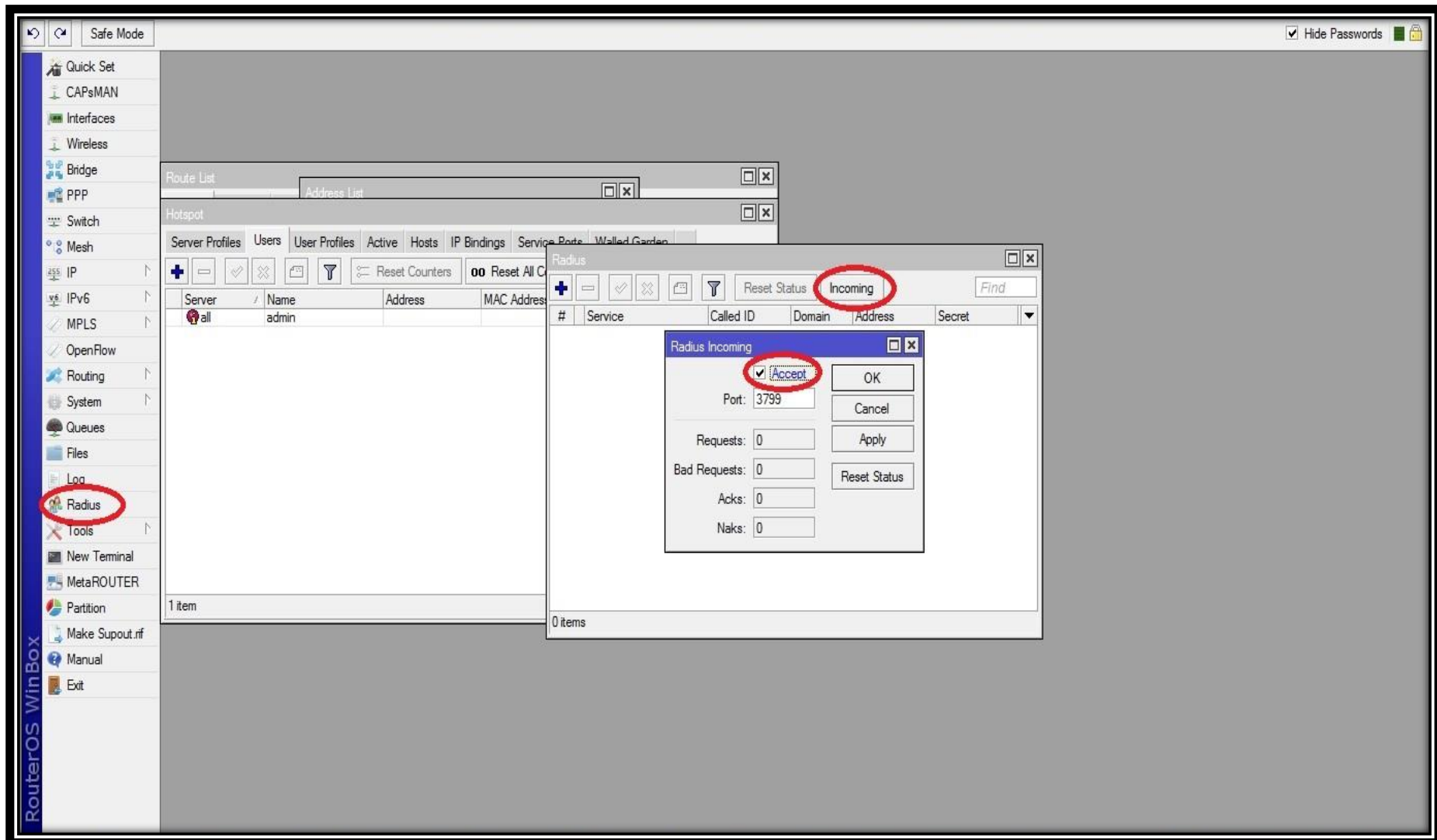
- Go to PPPoE Servers – Set Services Name – Set LAN Interface – Click One Session Per Host – Click pap – Apply & Ok



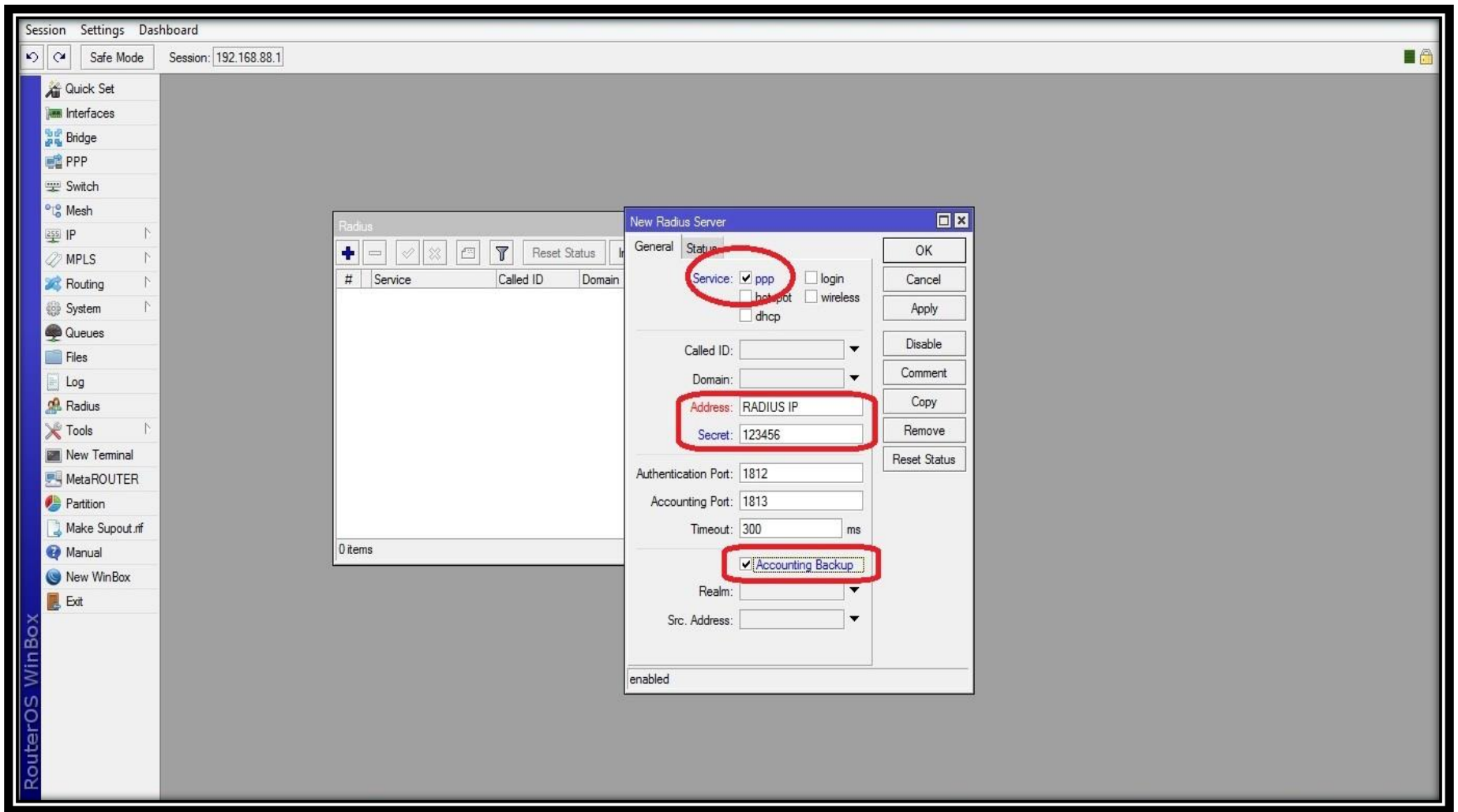
➤ **Go to IP – Pool – Add New Pool – Set Pool Name – Set LAN Address**



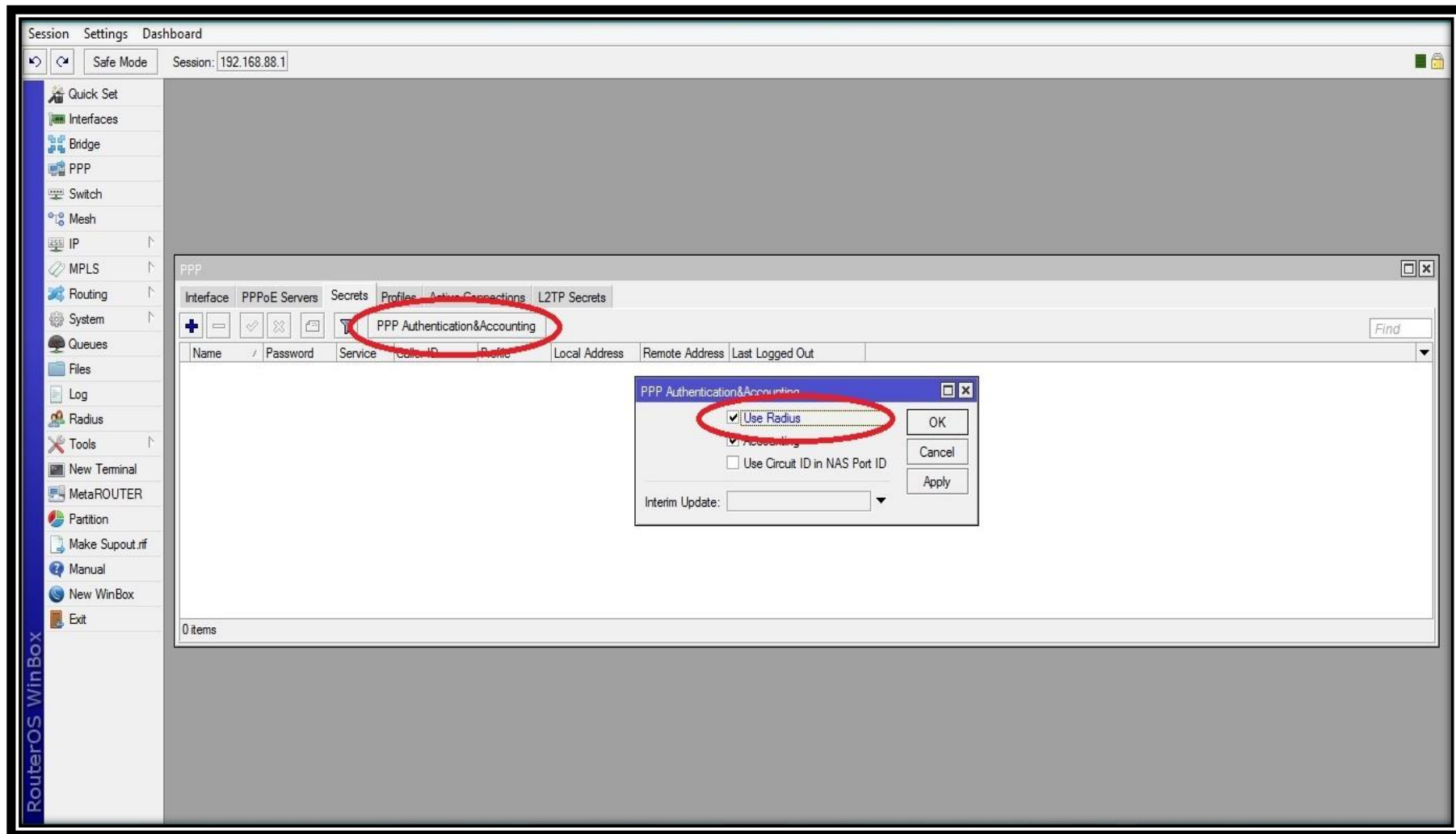
➤ Check Once IP PPPoE Pool



➤ **Click Radius – Click Incoming – Click Accept**



- **Go to Radius – Click Service (PPP) – Set Address (Radius IP) – Set Secret (123456) – Click Accounting Backup**



➤ Go to PPP – Click Secrets – PPP Authentication & Accounting – Click Use Radius

- **Then connect your Laptop through your Mikrotik NAS LAN port and obtain an IP address automatically.**

Conclusion

Economical choice with a large installed base

- One of the most successful industry standards in history and experiencing rapid progress with newer extensions to enhance performance.
- Proven for “**Last Hundred Mile**” connectivity
- Cost-effective technology and a smarter choice for connectivity in the campus wide area connection.

Answer: future proof by selecting products which allow co-existence of currently available matured technology with new wireless and fiber Technologies.





*One Source For All Your
Wireless & Wired
Connectivity Solutions*

Multilink Computers Pvt. Ltd.

CALL /CONTACT US

Customer Care:- 8080808292



www.multilinkonline.com

We help you to create links!!

THANK YOU



www.multilinkonline.com

We help you to create links!!