

SIMPLE HOTSPOT

MIKROTIK

Presented by

Mana Kaewcharoen

8 MAY 2017

MUM LAOS 2017



About me

- ▶ MANA KAEWCHAROEN
- ▶ MikroTik Certified Trainer
- ▶ MikroTik Training Center
- ▶ MikroTik Academy
- ▶ MTCNA,MTCRE,MTCWE
- ▶ MTCTCE,MTCUME,MTCINE,MTCIPv6E



About VRProService

VRPRO SERVICE

► เปิดสอนคอร์ส MikroTik สำหรับองค์กรที่มีความสนใจ
พร้อมสอบ Certificate

คุณยอมน MikroTik

PRIVATE COURSE

MikroTik
CERTIFIED TRAINER

MikroTik MTCTNA MikroTik MTCTRE MikroTik MTCTCE
MikroTik MTCTWE MikroTik MTCTUME MikroTik MTCTINE

CONTACT
E-mail : sales@vrproservice.com
Tel : 096 659 1415 / 096 659 1951

VRPRO SERVICE

รับวางระบบ Internet WiFi Hotspot ระบบ Network ต่างๆ
ภายในอาคาร ทอพัก อพาร์ทเมนต์ โรงแรม
...โดยทีมงาน มืออาชีพ...

โทร : 096-659-1415 | 096-659-1951 E-mail : sales@vrproservice.com

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รับติดตั้งระบบ **WiFi** ทำให้ลองแล้ววันนี้
เร็ว แรง เต็มสปีด ครอบคลุมทุกพื้นที่

ติดต่อ...e-mail : sales@vrproservice.com | Tel : 096-659-1415 / 096-659-1951

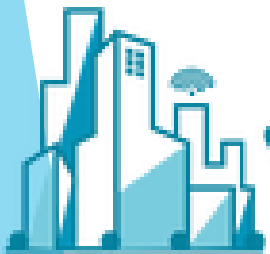


Contact

- ▶ Website : www.vrproservice.com
- ▶ Facebook Page : <https://www.facebook.com/vrproservices>
- ▶ Sales : sales@vrproservice.com
- ▶ Support : support@vrproservice.com
- ▶ Call Center : +6696 659 1415

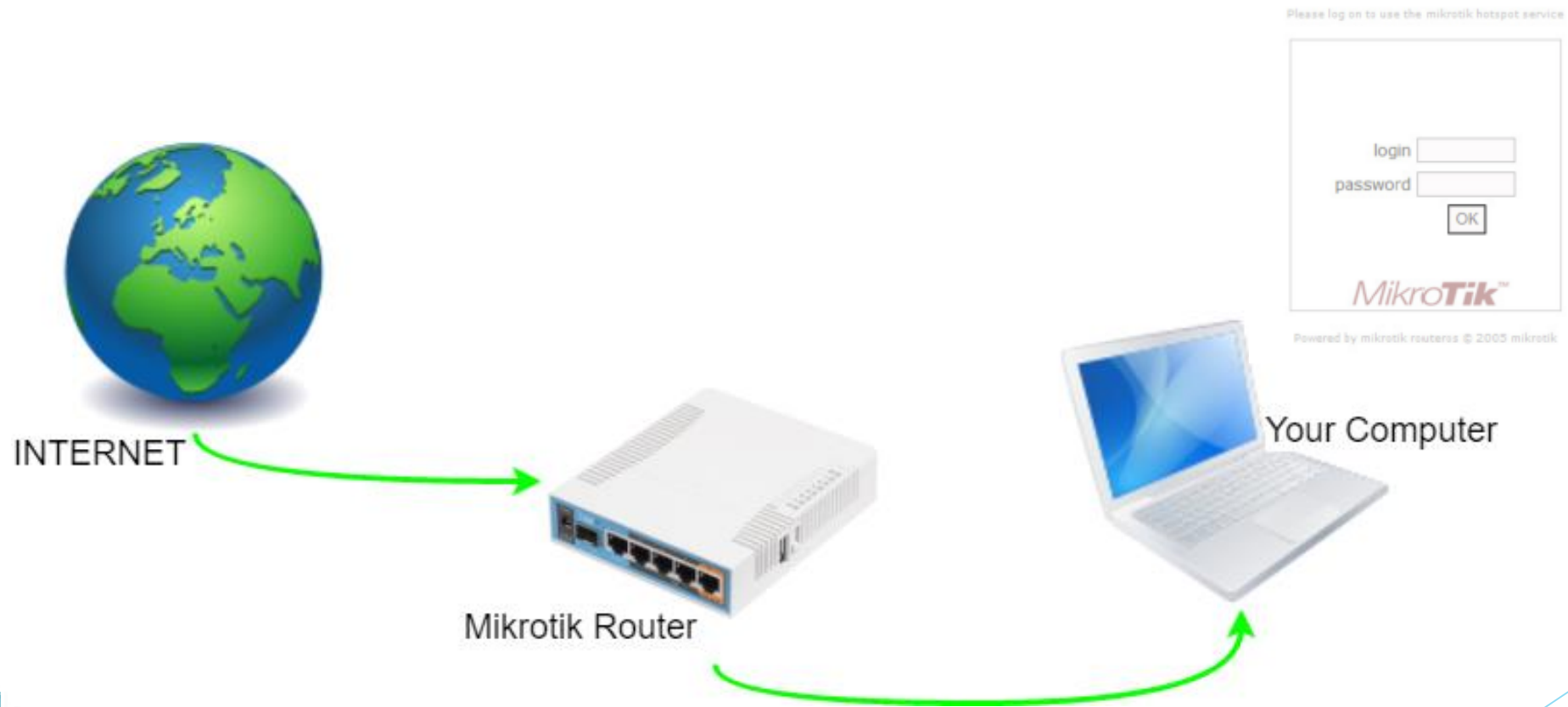


What is Hotspot ?



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Diagram Hotspot LAB



Package Hotspot

Package List



Check For Updates

Enable

Disable

Uninstall

Unschedule

Downgrade

Name	Version	Build Time	Scheduled	
 routeros-smips	6.37.4	Jan/13/2017 06:52:21		
 advancedt...	6.37.4	Jan/13/2017 06:52:21		
 dhcp	6.37.4	Jan/13/2017 06:52:21		
 hotspot	6.37.4	Jan/13/2017 06:52:21		
 ipv6	6.37.4	Jan/13/2017 06:52:21		
 mpls	6.37.4	Jan/13/2017 06:52:21		
 ppp	6.37.4	Jan/13/2017 06:52:21		
 routing	6.37.4	Jan/13/2017 06:52:21		
 security	6.37.4	Jan/13/2017 06:52:21		
 system	6.37.4	Jan/13/2017 06:52:21		
 wireless	6.37.4	Jan/13/2017 06:52:21		

11 items

Package Hotspot

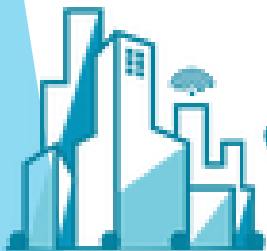
all_packages-mipsbe-6.37.4.zip - WinRAR (evaluation copy)

File Commands Tools Favorites Options Help

Add Extract To Test View Delete Find Wizard Info VirusScan Co

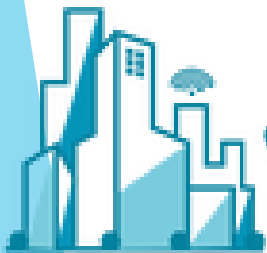
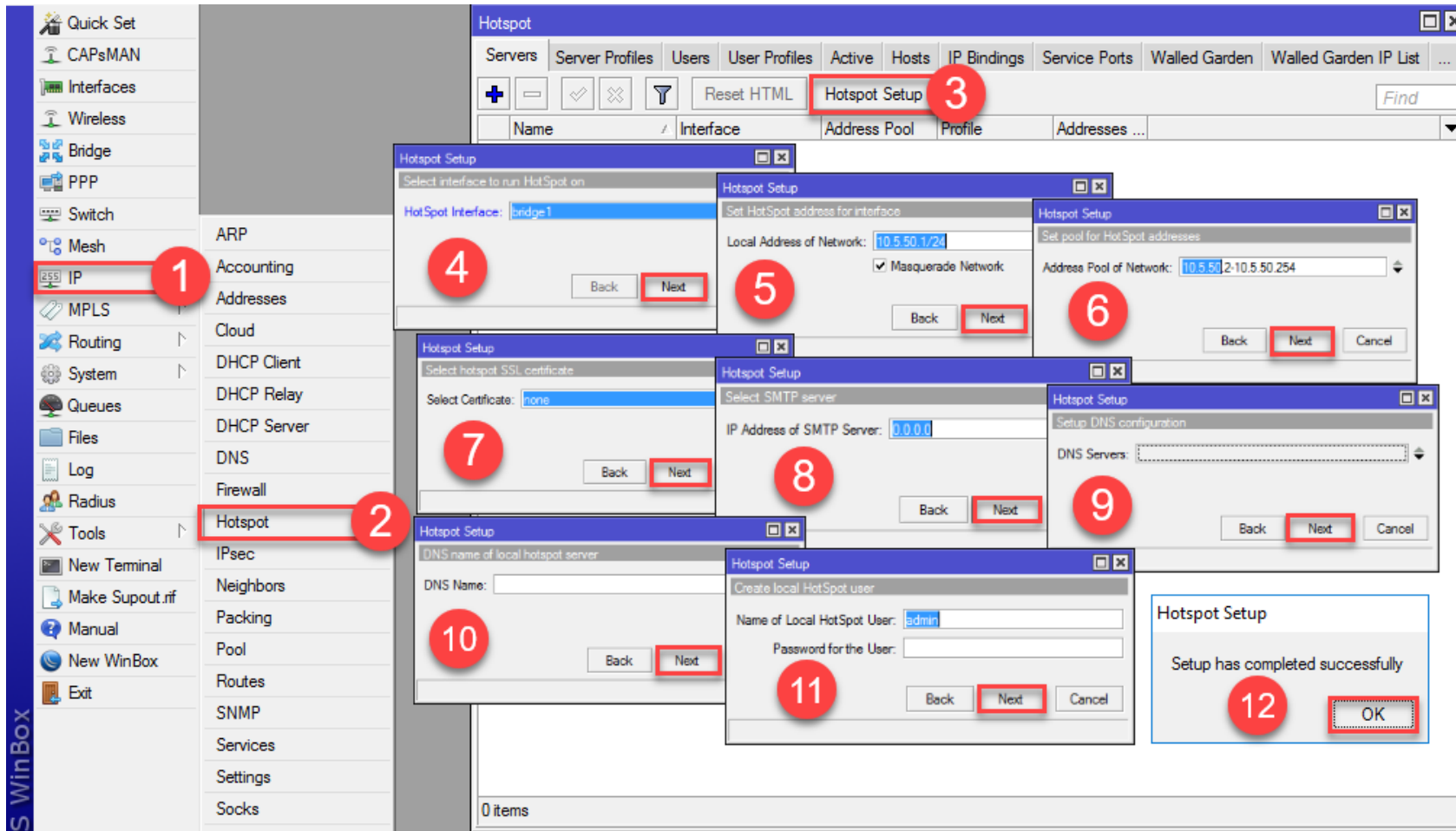
all_packages-mipsbe-6.37.4.zip - ZIP archive, unpacked size 13,500,514 bytes

Name	Size	Packed	Type
..			Local Disk
wireless-6.37.4-mipsbe.npk	1,224,785	1,219,649	NPK File
user-manager-6.37.4-mipsbe.npk	868,433	863,461	NPK File
ups-6.37.4-mipsbe.npk	69,713	64,857	NPK File
system-6.37.4-mipsbe.npk	7,199,408	7,103,329	NPK File
security-6.37.4-mipsbe.npk	340,049	332,616	NPK File
routing-6.37.4-mipsbe.npk	131,153	124,432	NPK File
ppp-6.37.4-mipsbe.npk	315,473	309,015	NPK File
openflow-6.37.4-mipsbe.npk	82,001	77,032	NPK File
ntp-6.37.4-mipsbe.npk	270,417	265,837	NPK File
multicast-6.37.4-mipsbe.npk	77,905	72,602	NPK File
mpls-6.37.4-mipsbe.npk	102,481	94,618	NPK File
lte-6.37.4-mipsbe.npk	1,990,737	1,985,664	NPK File
lcd-6.37.4-mipsbe.npk	61,521	56,789	NPK File
ipv6-6.37.4-mipsbe.npk	241,745	236,362	NPK File
hotspot-6.37.4-mipsbe.npk	192,593	185,805	NPK File
gps-6.37.4-mipsbe.npk	20,561	15,950	NPK File
dhcp-6.37.4-mipsbe.npk	184,401	177,466	NPK File
calea-6.37.4-mipsbe.npk	20,561	15,815	NPK File
advanced-tools-6.37.4-mipsbe.npk	106,577	99,156	NPK File



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เมนูตั้งค่า



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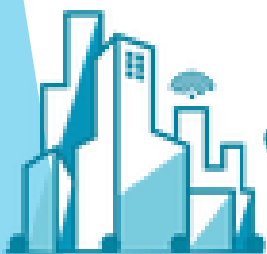
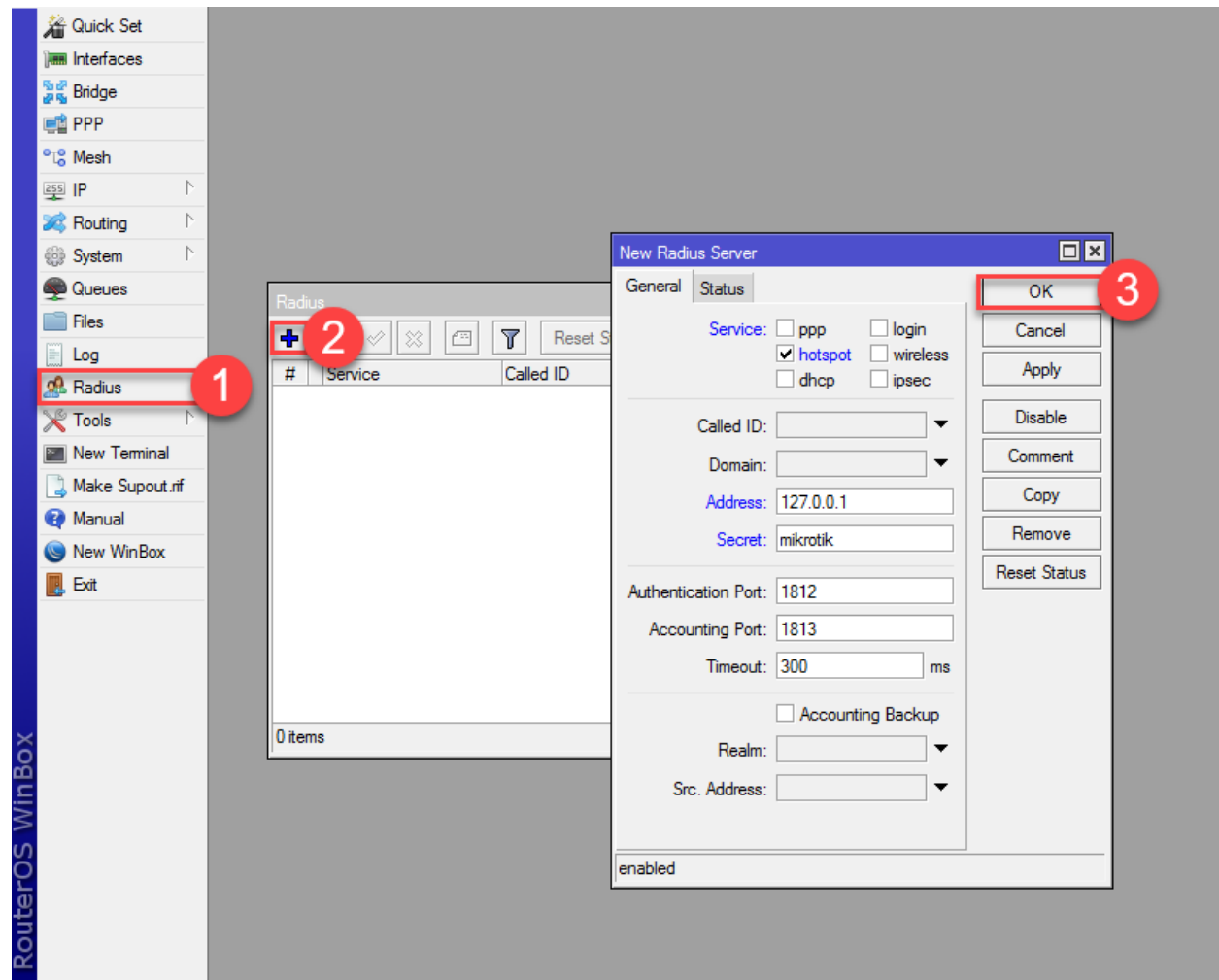
รูปแบบการเข้าถึง

- MAC
- HTTP CHAP
- HTTP PAP
- MAC Cookie
- Cookie
- HTTPS
- Trial

The screenshot shows the 'Hotspot Server Profile <hsprof1>' window with the 'RADIUS' tab selected. The 'Login By' section has 'MAC' selected in the dropdown, with checkboxes for 'Cookie' (checked), 'HTTP CHAP' (checked), 'HTTP PAP' (unchecked), 'MAC Cookie' (unchecked), 'HTTPS' (unchecked), and 'Trial' (unchecked). The 'MAC Auth. Mode' is set to 'MAC as username' and 'MAC Auth. Password' is empty. The 'HTTP Cookie Lifetime' is '3d 00:00:00', 'SSL Certificate' is 'none', and 'Split User Domain' is unchecked. The 'Trial Uptime Limit' is '00:30:00', 'Trial Uptime Reset' is '1d 00:00:00', and 'Trial User Profile' is 'default'. On the right are buttons for 'OK', 'Cancel', 'Apply', 'Copy', and 'Remove'. The bottom status bar shows 'default'.

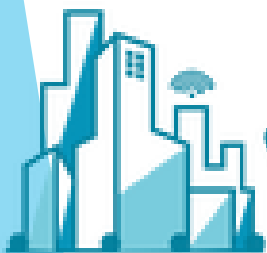
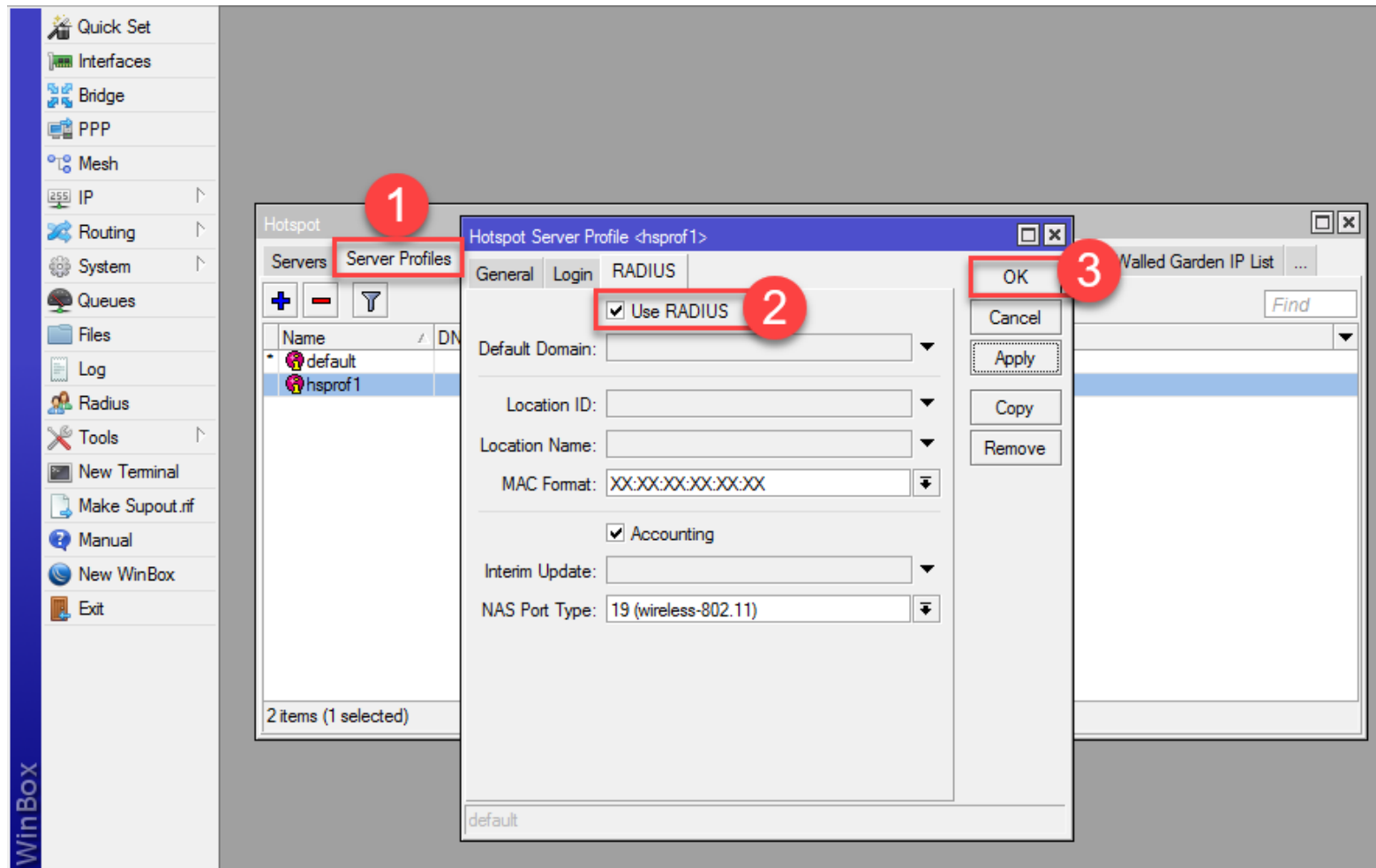
Section	Option	Value / Status
Login By	MAC	Selected
	Cookie	Checked
	HTTP CHAP	Checked
	HTTP PAP	Unchecked
	MAC Cookie	Unchecked
	HTTPS	Unchecked
MAC Auth.	Mode	MAC as username
	Password	
HTTP Cookie Lifetime		3d 00:00:00
SSL Certificate		none
Split User Domain		Unchecked
Trial Uptime Limit		00:30:00
Trial Uptime Reset		1d 00:00:00
Trial User Profile		default

การตั้งค่า Radius



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การตั้งค่า Radius



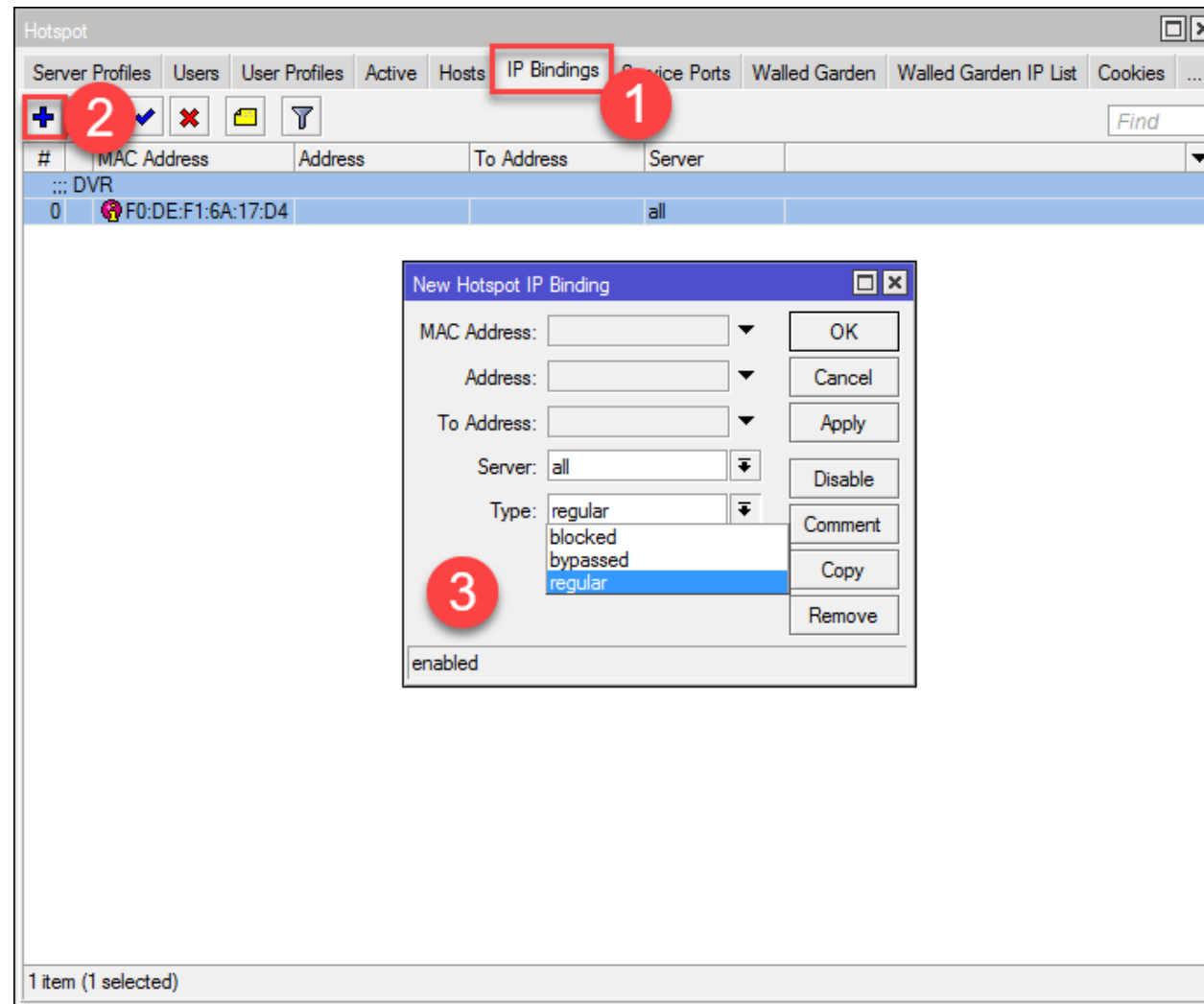
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การจำกัดสิทธิ์อุปกรณ์

Type

- blocked
- bypassed
- regular

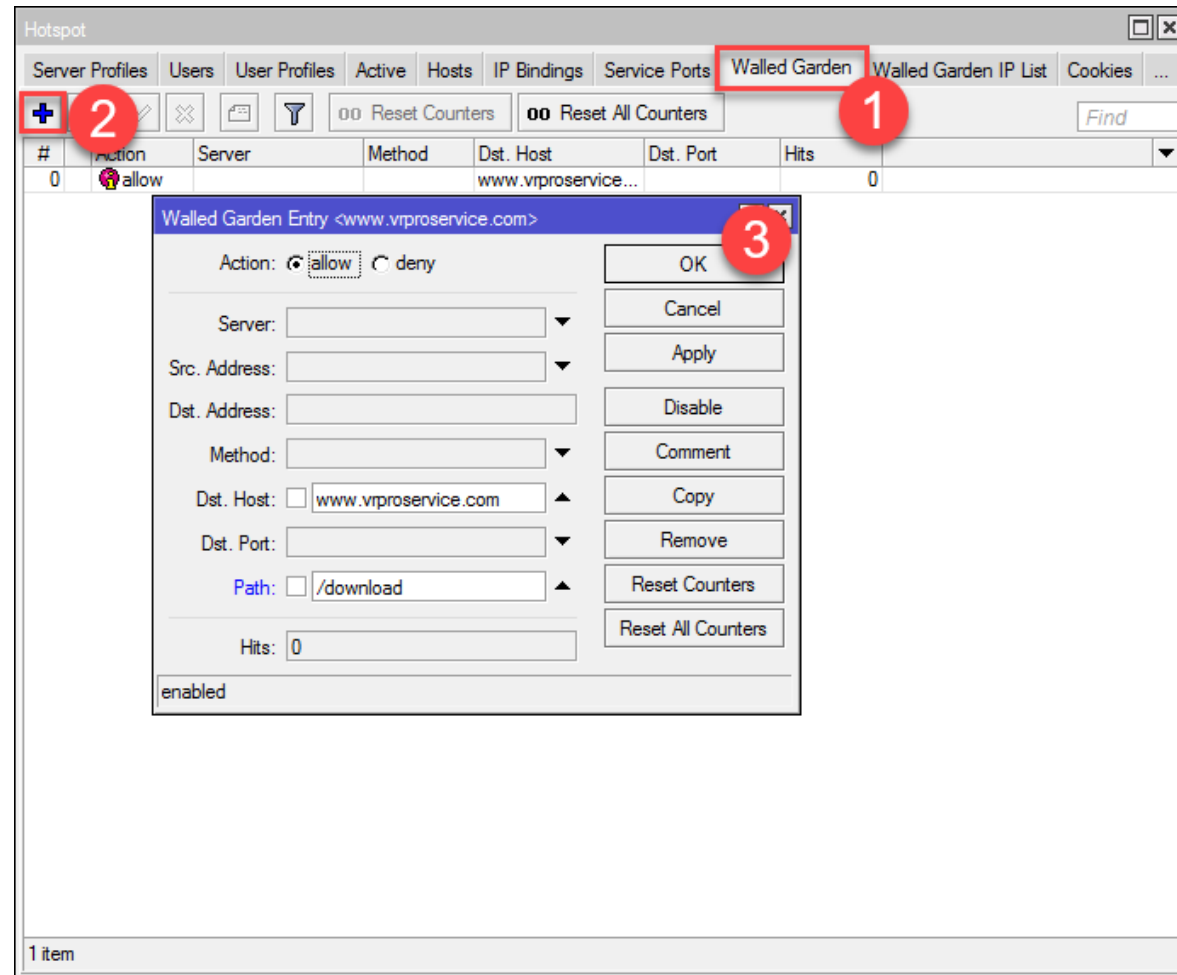
ใช้เมนู IP Bindings



การกำหนดสิทธิ์ Host ปลายทาง

- Server
- Dst. Address
- Src. Address
- Method
- Dst. Host
- Dst. Port
- Path

ใช้เมนู Walled Garden



การตั้งค่า Usermanager

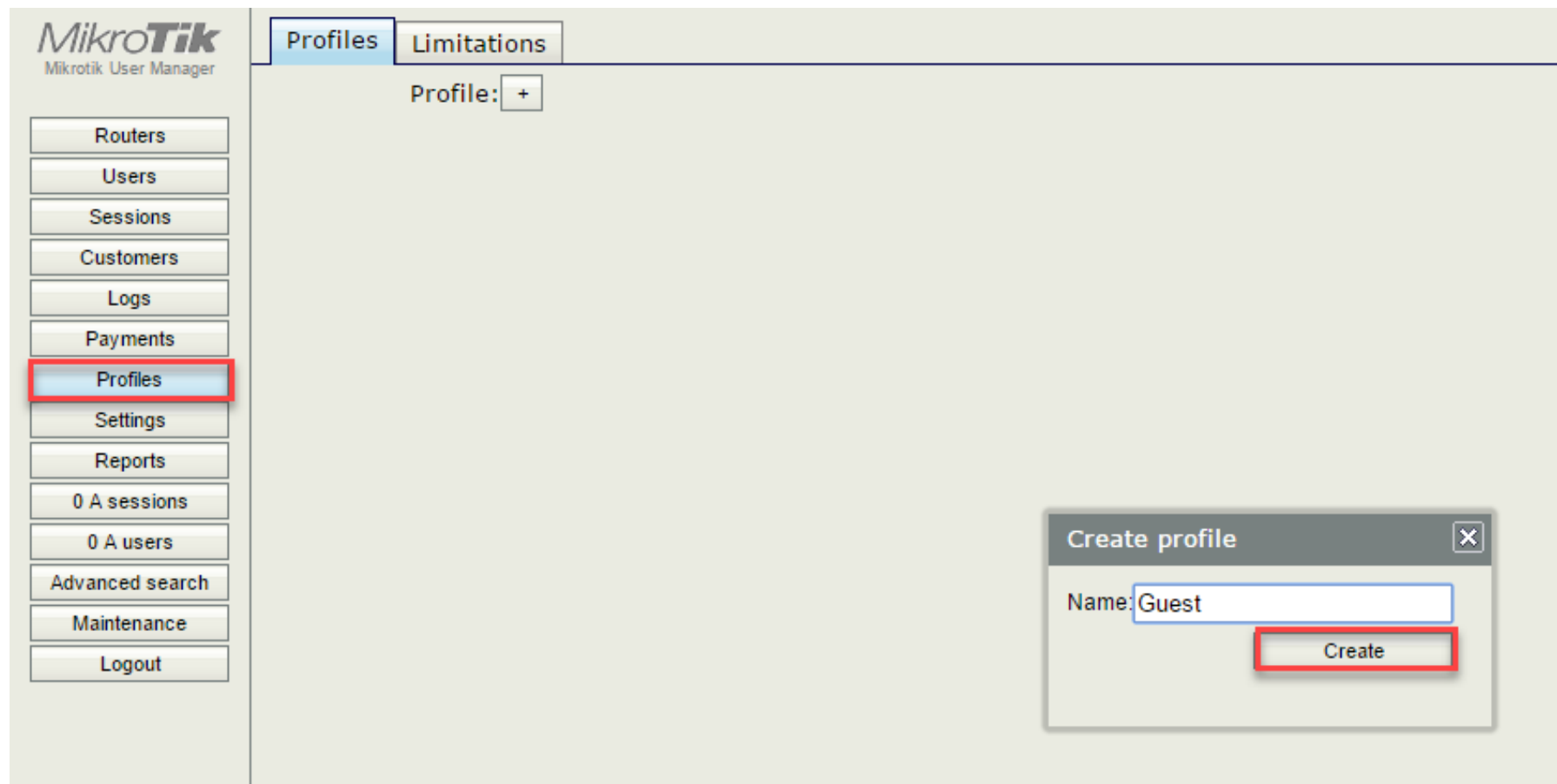


Login : admin

Pass :

A screenshot of the MikroTik User Manager login interface. The interface has a light beige background. At the top, the "MikroTik" logo is displayed in a stylized font, with "Mikrotik User Manager" written in a smaller font below it. Below the logo, there are two input fields: the first is labeled "Login" and the second is labeled "Password". Both fields are empty. Below these fields is a button labeled "Log in".

การตั้งค่า Usermanager



The screenshot displays the MikroTik User Manager web interface. On the left, a sidebar contains navigation buttons: Routers, Users, Sessions, Customers, Logs, Payments, Profiles (highlighted with a red box), Settings, Reports, 0 A sessions, 0 A users, Advanced search, Maintenance, and Logout. The main content area has two tabs: 'Profiles' (active) and 'Limitations'. Below the tabs, it shows 'Profile: +' and a large empty space. A 'Create profile' dialog box is open in the bottom right, featuring a text input field with 'Guest' and a 'Create' button (highlighted with a red box).

การตั้งค่า Usermanager

MikroTik
Mikrotik User Manager

Add Edit Generate

Users

Router: **Username** **Till time** **Total time left**

User details

▲ Main

Owner: admin

Number of users: 10

Username prefix: g

Username length: 6

Pwd same as login: ☐

Password length: 6

▼ Constraints

▼ Wireless

▼ Private information

Assign profile: Guest

Add

การตั้งค่า Usermanager

MikroTik
Mikrotik User Manager

Routers
Users
Sessions
Customers
Logs
Payments
Profiles
Settings
Reports
0 A sessions
0 A users
Advanced search
Maintenance
Logout

Admin Edit Generate
1 CSV File 2 Vouchers

☒	▽	▽ Till time	▽ Total time left
☒	g7jurz8	Not set	
☒	gaiqku3	Not set	
☒	gs7xnaw	Not set	
☒	ge4ptym	Not set	
☒	gvhksvm	Not set	
☒	gyyxbfw	Not set	
☒	gsdd5ks	Not set	
☒	g3kvi46	Not set	
☒	gebkqv3	Not set	
☒	gk7hhph	Not set	

การตั้งค่า Usermanager

MikroTik
Mikrotik User Manager

Add Edit Generate

☒	▽ Username	▽ Till time	▽ Total time left
☒	g7jurz8	Not set	
☒	gaiqku3	Not set	
☒	gs7xnaw	Not set	
☒	ge4ptym	Not set	
☒	gvhksvm	Not set	
☒	gyyxbfw	Not set	
☒	gsdd5ks	Not set	
☒	g3kvi46	Not set	
☒	gebkqv3	Not set	
☒	gk7hhph	Not set	

Vouchers [X]

Break after:

☐ Download as file

Generate

Left sidebar menu:

- Routers
- Users**
- Sessions
- Customers
- Logs
- Payments
- Profiles
- Settings
- Reports
- 0 A sessions
- 0 A users
- Advanced search
- Maintenance
- Logout

การตั้งค่า Usermanager

MikroTik
Mikrotik User Manager

Add Edit Generate

☒	Username	Till time	Total time left	Actual profile
☒	g7jurz8	Not set		
☒	gaiqku3	Not set		
☒	gs7xnaw	Not set		
☒	ge4ptym	Not set		
☒	gvhksvm	Not set		
☒	gyyxbfw	Not set		
☒	gsdd5ks	Not set		
☒	g3kvi46	Not set		
☒	gebkqv3	Not set		
☒	gk7hhph	Not set		

0 A sessions

0 A users

Advanced search

Maintenance

Logout

Vouchers

[Click here if the popup didn't show up](#)

Per page [20]

การตั้งค่า Usermanager

VRProService HOTSPOT		
Package	Speed	Data
Guest	Up to 1Mbps	Unlimited
Time	Validity	Price
Unlimited	Unlimited	0.00
Username		Password
g7jurz8		7rrjbf
Call: +6696 659 1415		

VRProService HOTSPOT		
Package	Speed	Data
Guest	Up to 1Mbps	Unlimited
Time	Validity	Price
Unlimited	Unlimited	0.00
Username		Password
gaiqku3		ikcr6k
Call: +6696 659 1415		

VRProService HOTSPOT		
Package	Speed	Data
Guest	Up to 1Mbps	Unlimited
Time	Validity	Price
Unlimited	Unlimited	0.00
Username		Password
gyyxbfw		nk4u2k
Call: +6696 659 1415		

VRProService HOTSPOT		
Package	Speed	Data
Guest	Up to 1Mbps	Unlimited
Time	Validity	Price
Unlimited	Unlimited	0.00
Username		Password
gsdd5ks		gs5n3r
Call: +6696 659 1415		

Login interface

Hotspot Login web interface

User : admin
password :

Please log on to use the internet hotspot service

login

admin

password

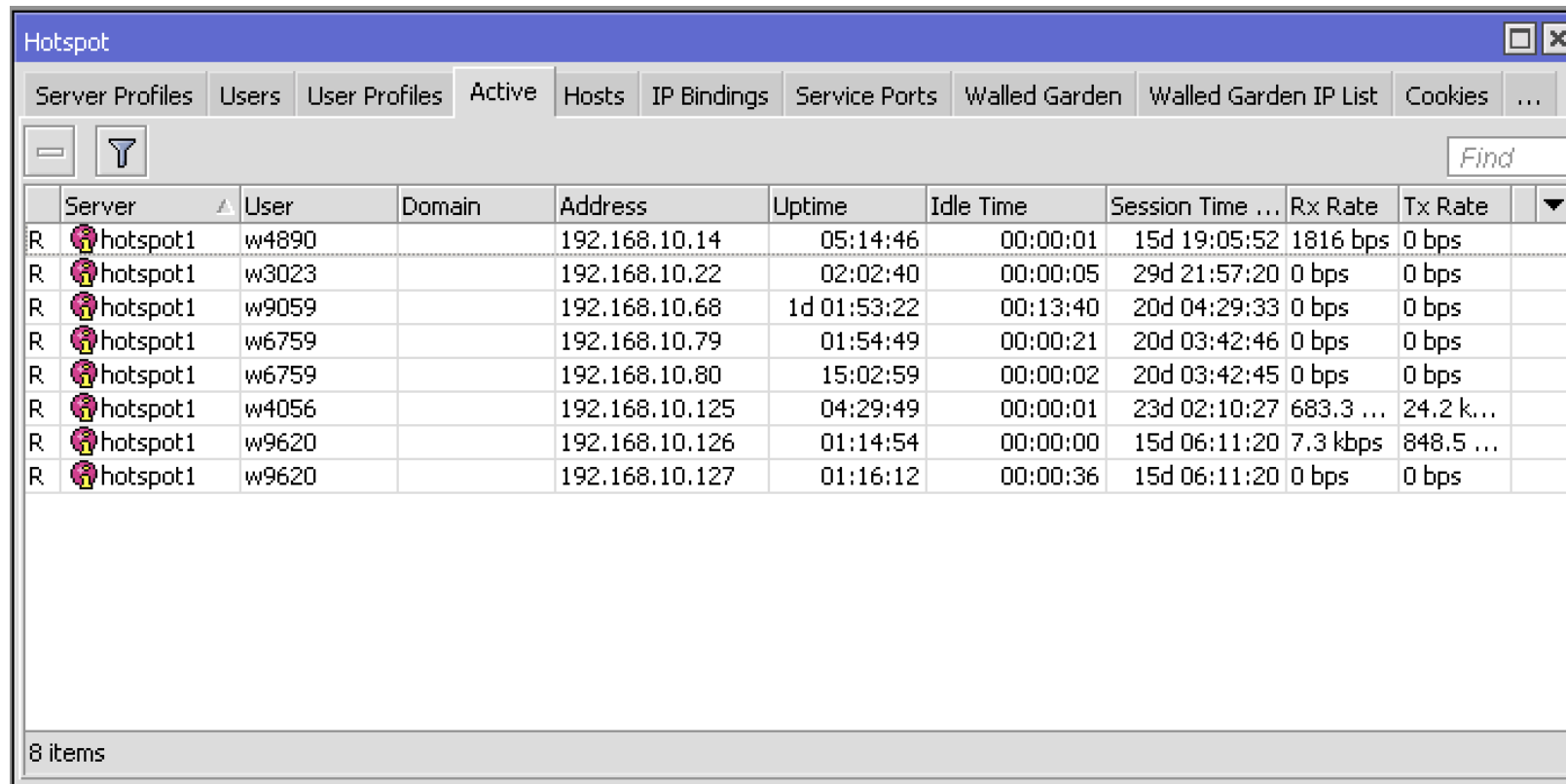
OK

HOTSPOT GATEWAY
powered by MikroTik

Powered by Mikrotik RouterOS

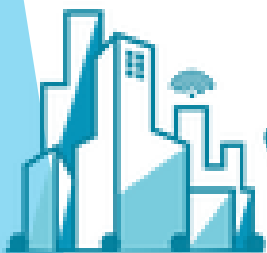
Active Status

- ▶ = Local
- ▶ R = Radius



	Server	User	Domain	Address	Uptime	Idle Time	Session Time ...	Rx Rate	Tx Rate
R	hotspot1	w4890		192.168.10.14	05:14:46	00:00:01	15d 19:05:52	1816 bps	0 bps
R	hotspot1	w3023		192.168.10.22	02:02:40	00:00:05	29d 21:57:20	0 bps	0 bps
R	hotspot1	w9059		192.168.10.68	1d 01:53:22	00:13:40	20d 04:29:33	0 bps	0 bps
R	hotspot1	w6759		192.168.10.79	01:54:49	00:00:21	20d 03:42:46	0 bps	0 bps
R	hotspot1	w6759		192.168.10.80	15:02:59	00:00:02	20d 03:42:45	0 bps	0 bps
R	hotspot1	w4056		192.168.10.125	04:29:49	00:00:01	23d 02:10:27	683.3 ...	24.2 k...
R	hotspot1	w9620		192.168.10.126	01:14:54	00:00:00	15d 06:11:20	7.3 kbps	848.5 ...
R	hotspot1	w9620		192.168.10.127	01:16:12	00:00:36	15d 06:11:20	0 bps	0 bps

8 items



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Thanks for Listening



Contact us

www.vrproservice.com

facebook.com/vrproservices

Line : @vrproservice

Tel : +6696 659 1415

+6696 659 1951



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