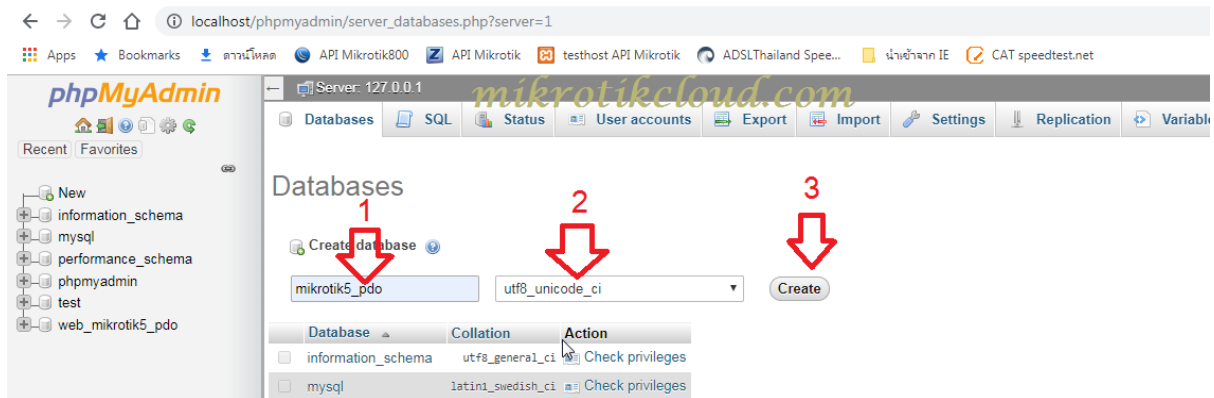


# Mikrotik hosting and Mikrotik5-PDO user guide

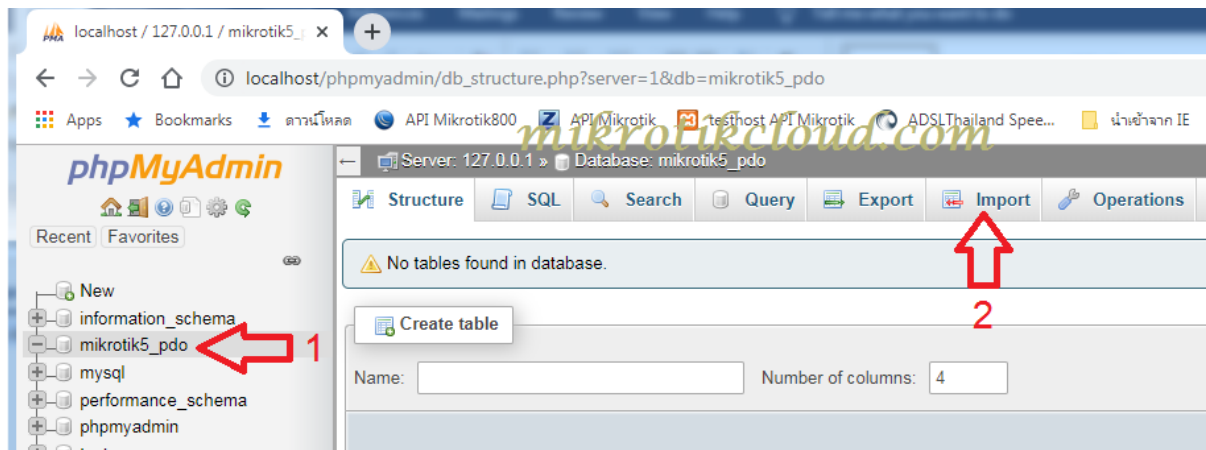
By mikrotikcloud.com

## Create database



1. Create database name as mikrotik5\_pdo.
2. Choose as utf8\_unicode\_ci
3. Click the Create button.

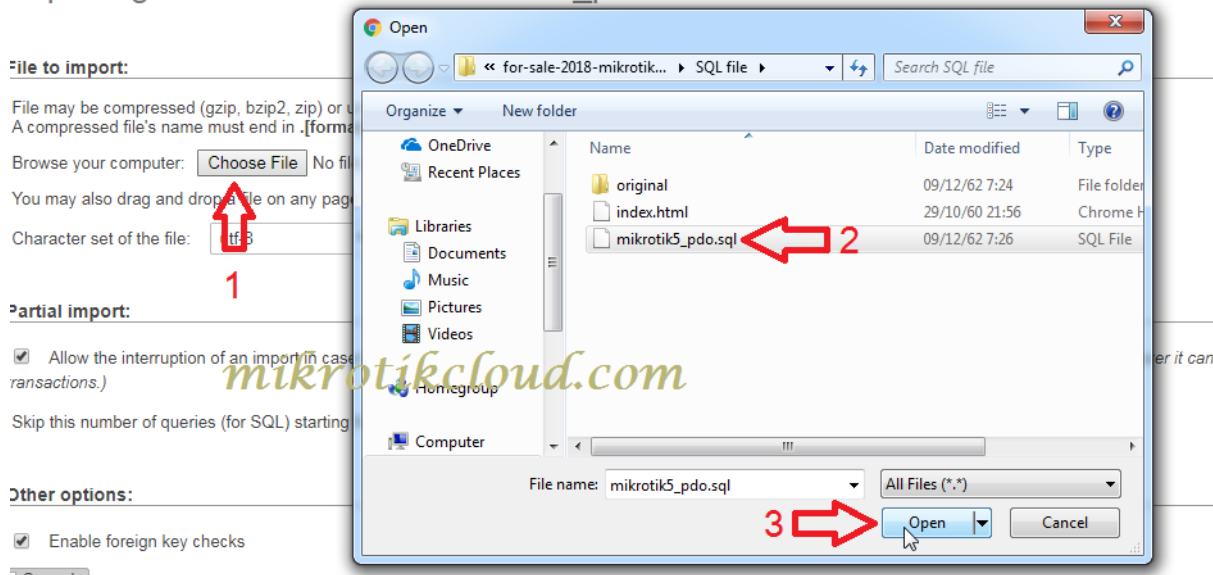
## Import the data into the database.



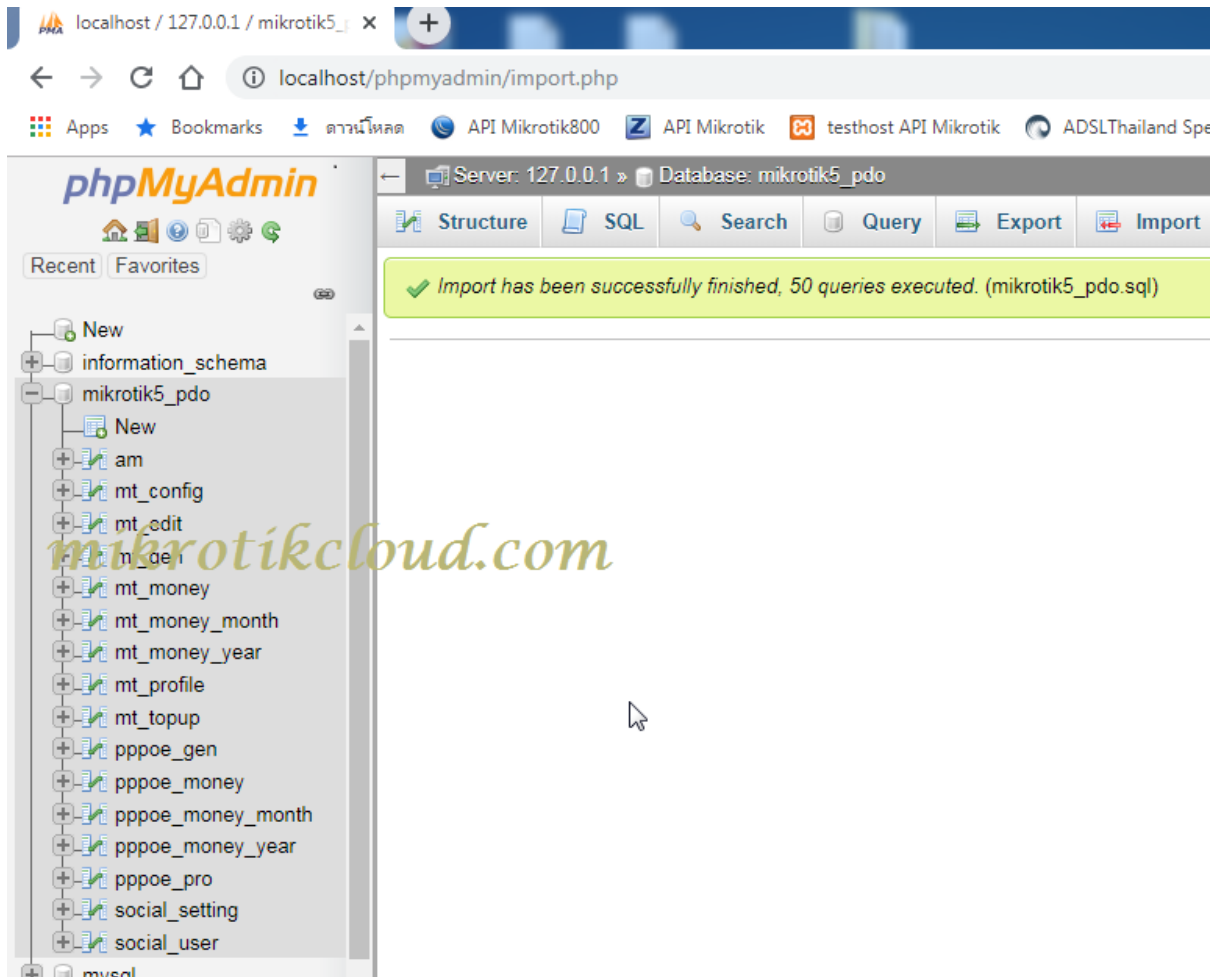
1. When finished, you will get a database named mikrotik5\_pdo as in the picture above.
2. Import data by clicking the import button.



## Importing into the database "mikrotik5\_pdo"



1. Press the button choose file
2. When the window is displayed Find the file at for-sale-2019-mikrotik5-PDO-09-Dec-2019 / SQL file / mikrotik5\_pdo.sql
3. After selecting the file, press open.
4. Click "Go" at the bottom of the import page.



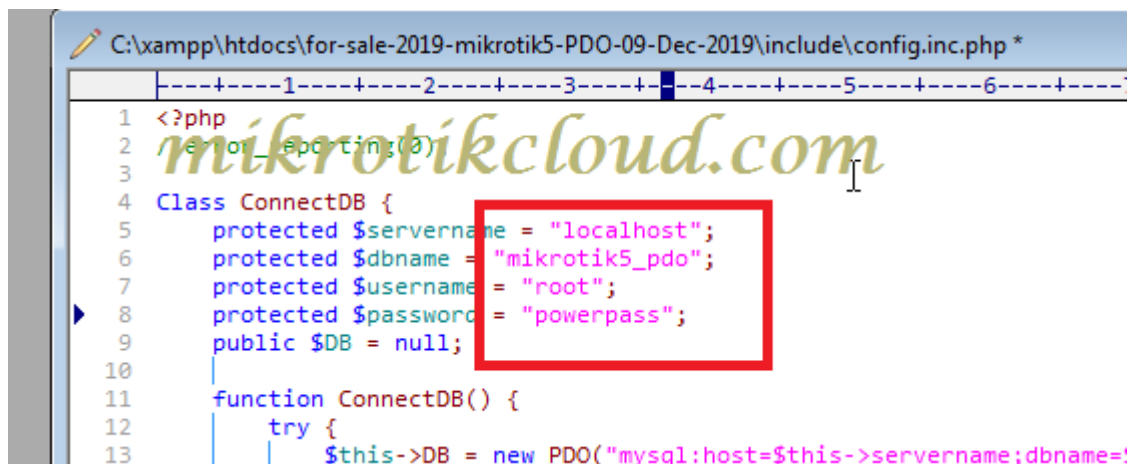
When the import is successful, you will get the image above.

## Edit the file to connect to the database.

There are 2 files that must be edited as follows:

1. for-sale-2019-mikrotik5-PDO-09-Dec-2019/link/include/config.inc.php
2. for-sale-2019-mikrotik5-PDO-09-Dec-2019/include/config.inc.php

3. Open the file and edit the information. To be the same as in your database



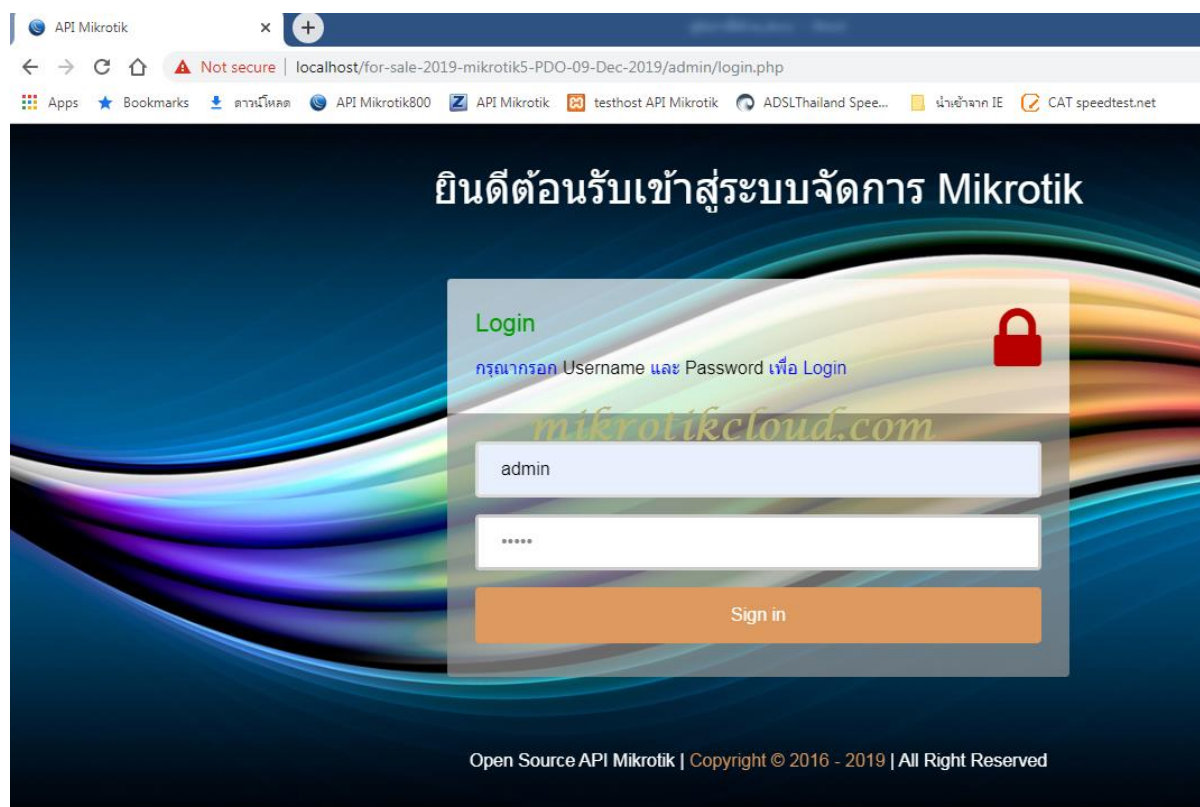
```
C:\xampp\htdocs\for-sale-2019-mikrotik5-PDO-09-Dec-2019\include\config.inc.php *
1 <?php
2 error_reporting(0);
3 mikrotikcloud.com
4 Class ConnectDB {
5     protected $servername = "localhost";
6     protected $dbname = "mikrotik5_pdo";
7     protected $username = "root";
8     protected $password = "powerpass";
9     public $DB = null;
10
11     function ConnectDB() {
12         try {
13             $this->DB = new PDO("mysql:host=$this->servername;dbname=!
```

There are 2 files which must be edited. There are 4 lines as in the picture.

## Login page

Search the url in the web browser

<http://localhost/for-sale-2019-mikrotik5-PDO-09-Dec-2019/admin/login.php>



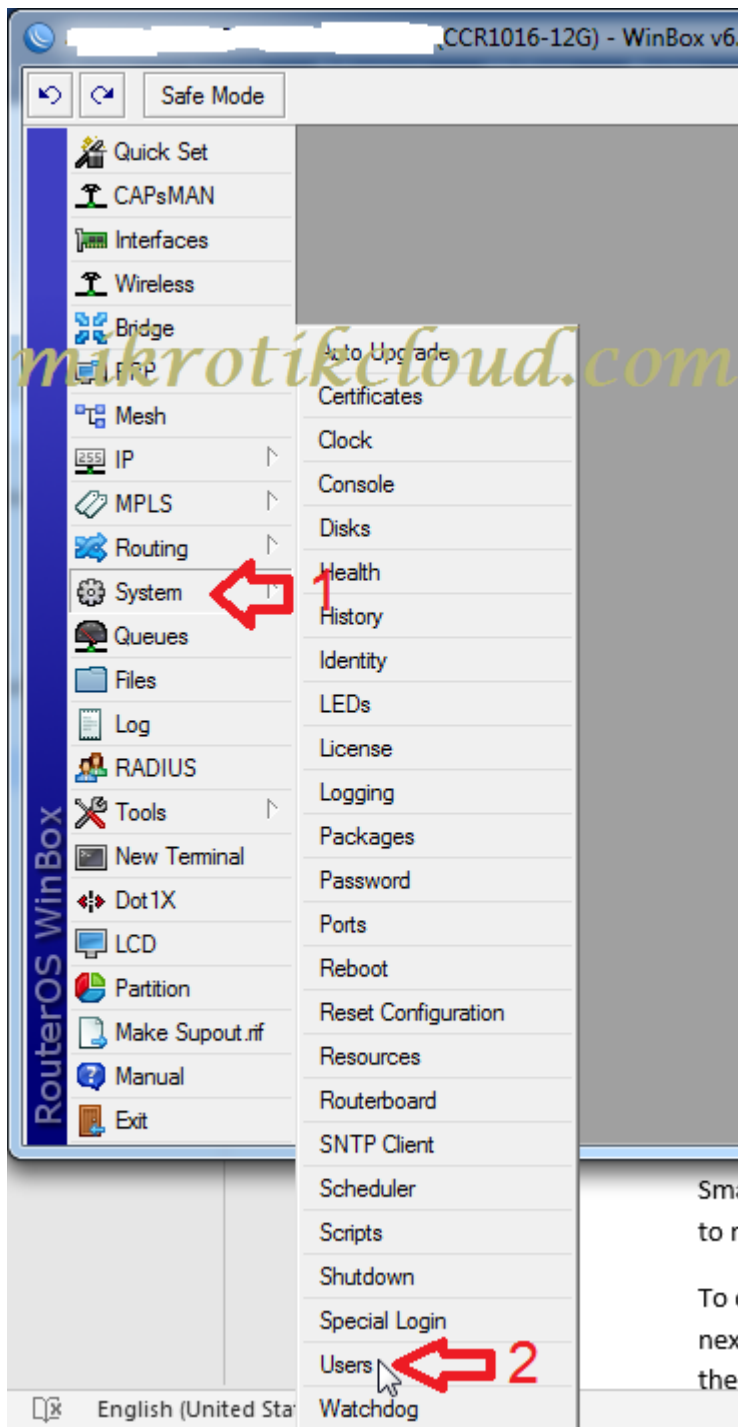
Username = admin

Password = 12345

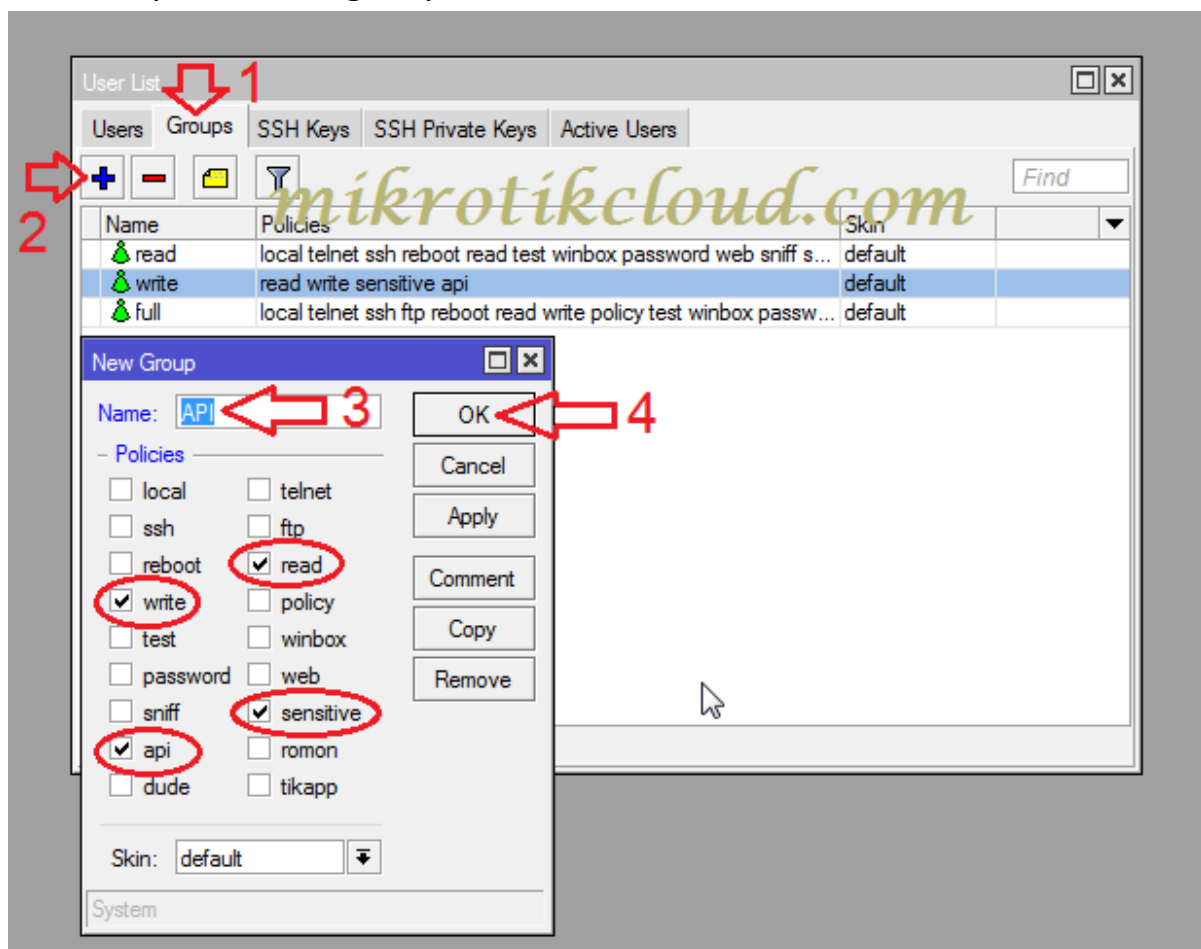
## Mikrotik router settings

### Create a Group API

Create a group to connect to the API. Go to System => Users.



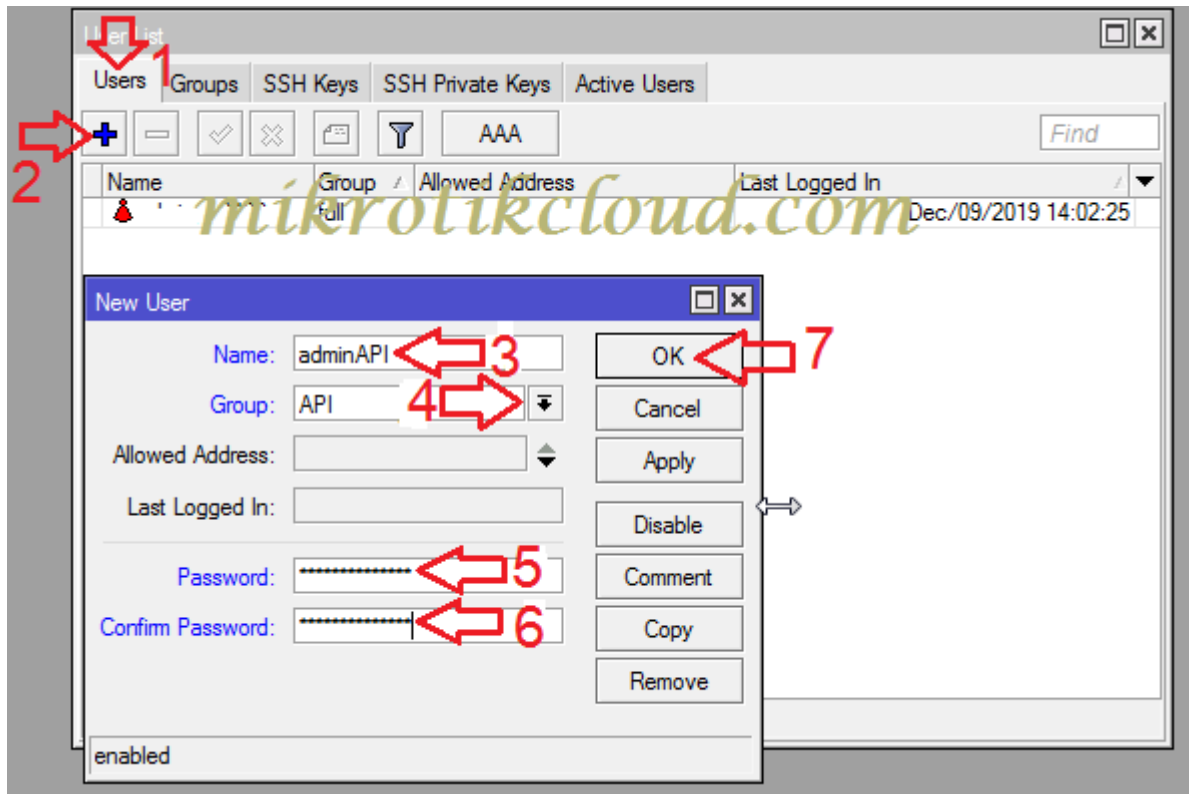
Next step, create a group as shown below.



When finished, there will be a new group according to the name that we have set.



## Create user API



Please create according to the steps in the image above. In the example, create a name adminAPI.

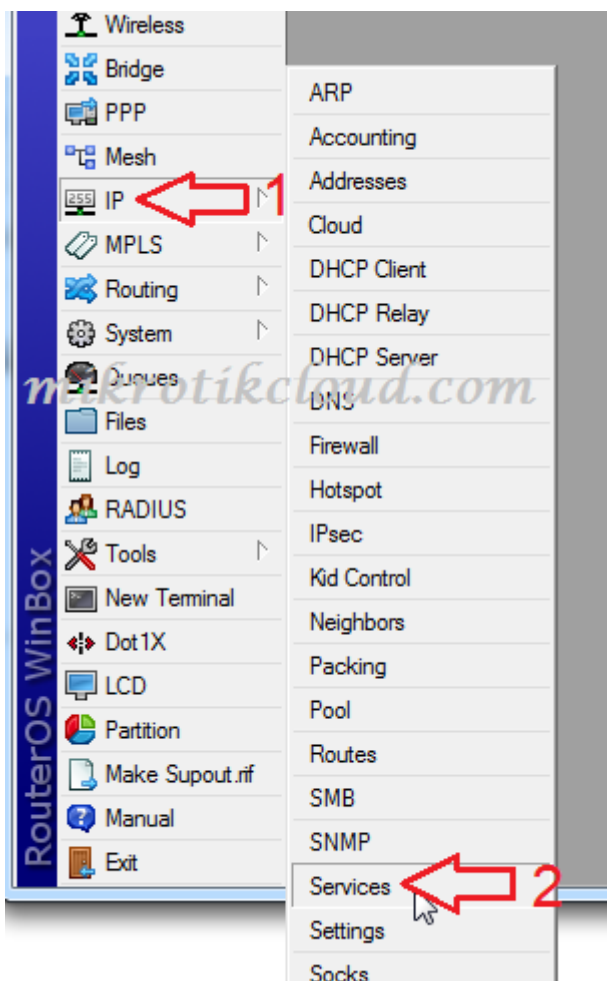
System management capabilities of mikrotik5-PDO Will depend on the user group

Which will be divided into 3 levels as follows

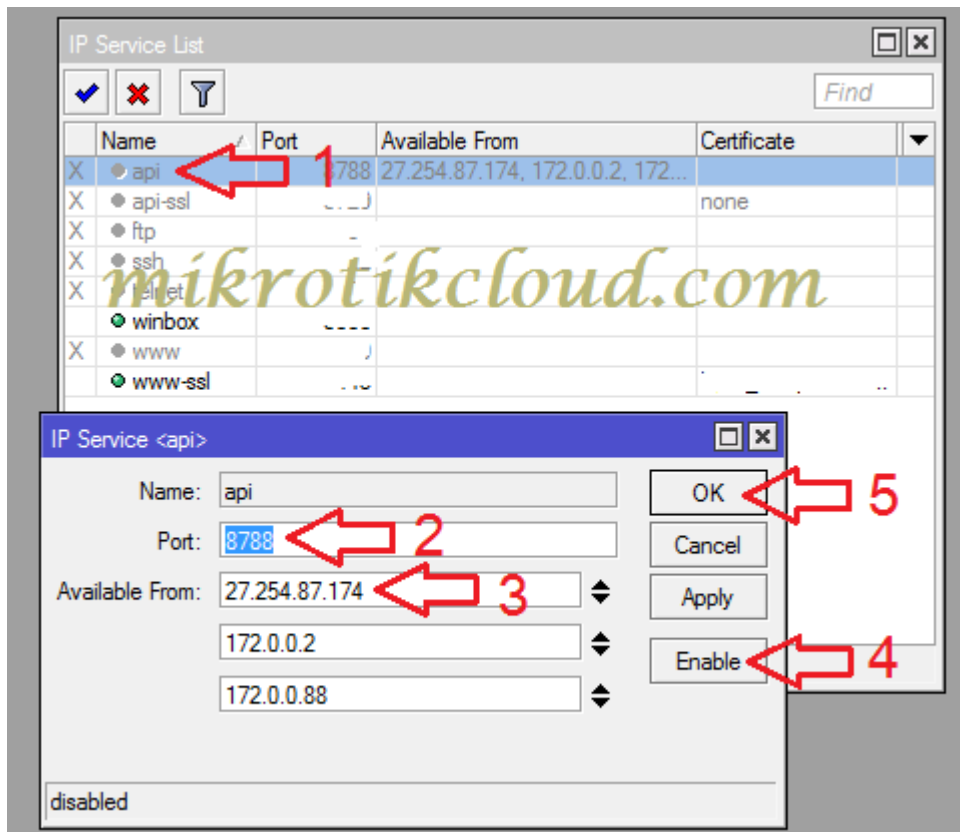
#	Detail Group Account	● Read Group	● Write Group	● Full Group	● Other Group
1	add information	✗	✓	✓	✓
2	Clear	✗	✗	✓	✓
3	edit data	✗	✓	✓	✓
4	Import Data	✗	✓	✓	✓
3	<b>Transfer data</b>	✗	✗	✓	✓
5	Export Data	✗	✓	✓	✓
6	card Printing	✗	✓	✓	✓

## API port settings

Go to ip => services

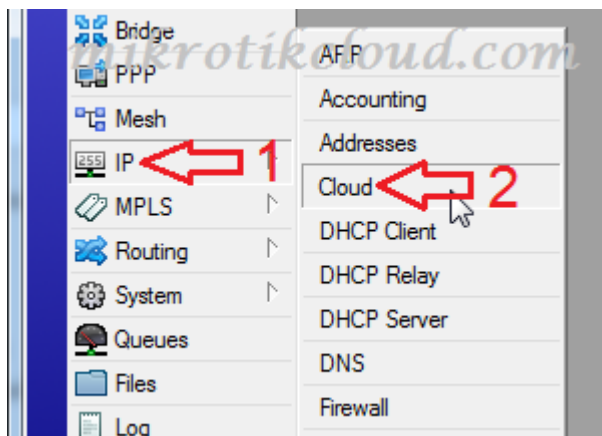




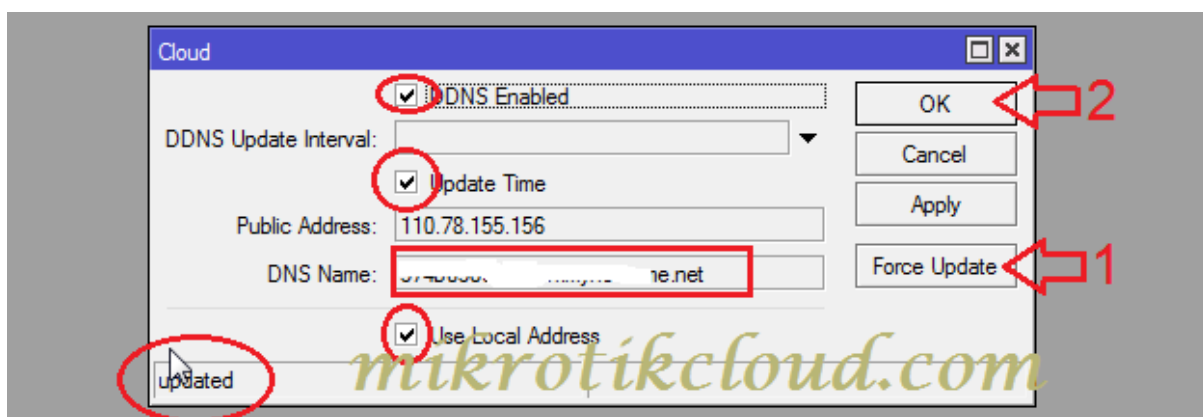


1. Click on API
  2. Set the api port (8728 is the default)
  3. Set the IP of the host that can connect An example would be 27.254.87.174 Which is the IP of <https://mikrotikcloud.com>
- \*\*\* If not set, all IP can be used \*\*\***
4. Click the Enable button.
  5. Click the OK button.

## Cloud IP usage of mikrotik routers



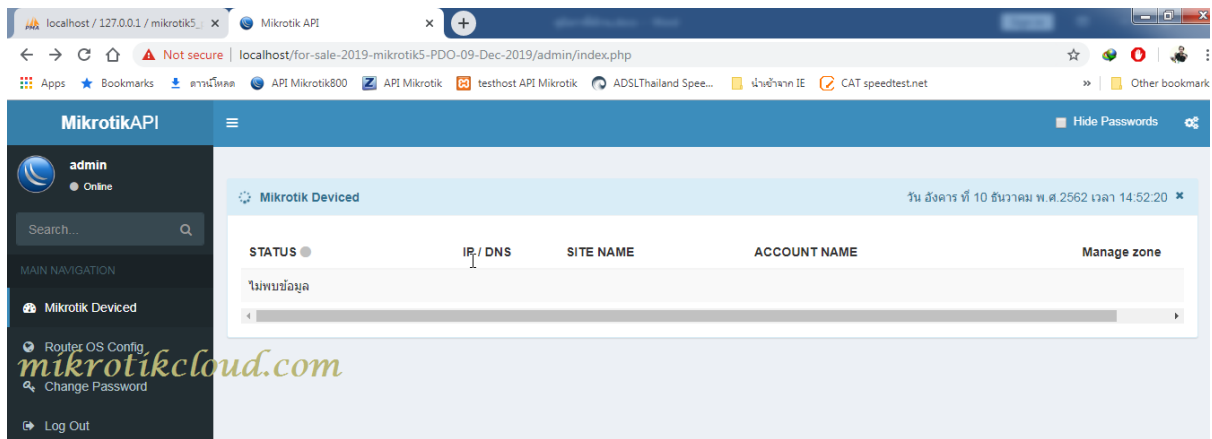
Go to ip=>Cloud



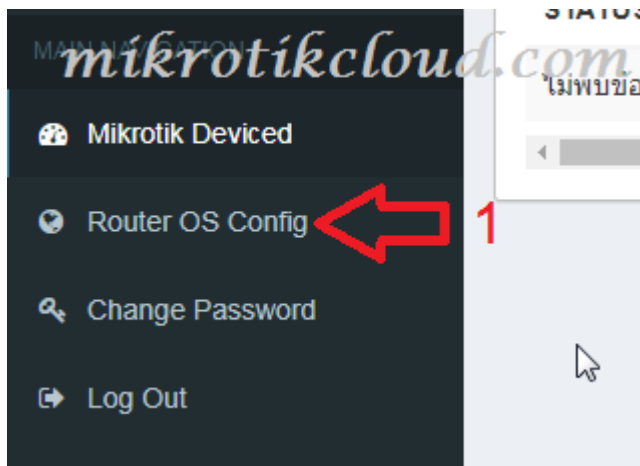
Check the picture above and press the Force Update button when the system updates.

A message will appear in the lower left corner "updated". The mikrotik must be connected to the Public IP Address only. We can then use the DNS Name.

# Add a router mikrotik and management.



Go to the Router OS Config page.



1. Enter the DNS Name or Public IP Address of mikrotik.

2. Enter the Port API

**\*\*** After entering both values, you can click the Test Connect button to check the IP and API ports. It will show the values in the red square.

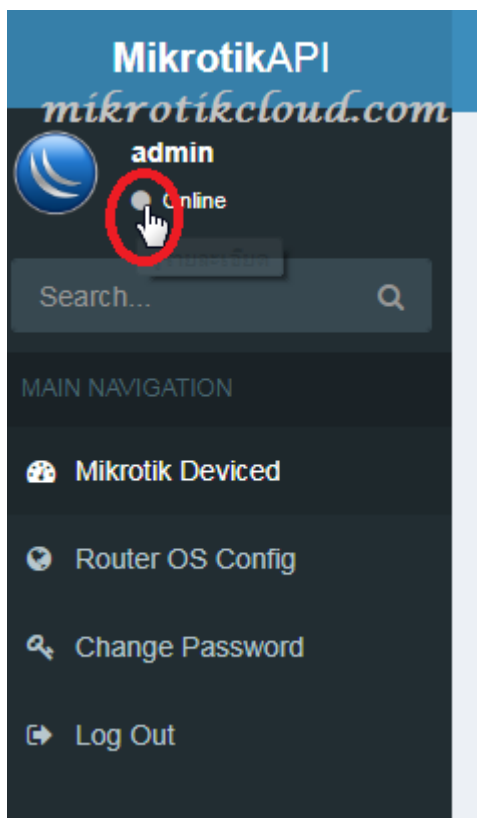
If the resulting ping doesn't show "Success" to be modified

3. Enter the username of the user API.

4. Enter the password for the user API.

5,6 Enter pin password

The ability of the pin password is as follows.



Click the button as in the picture.

#	Security Site Levels	● Lower Class	● Middle Class	● High Class	● None Security
1	Create Site	✗	✓	✓	✓
2	Edit Site	✗	✓	✓	✓
3	Remove Site	✓	✓	✓	✓
4	Edit Your Pin	✗	✗	✓	✓
5	Edit the PIN of the site you created	✗	✓	✓	✓
6	See all sites	✗	✗	✓	✓
7	Edit all sites	✗	✗	✓	✓
8	Enable / Disable Security Site System	✗	✗	✓	✓

Pin password will be used only when opening the security site.

When all the information is filled in, click the "add" button to finish creating the job site.

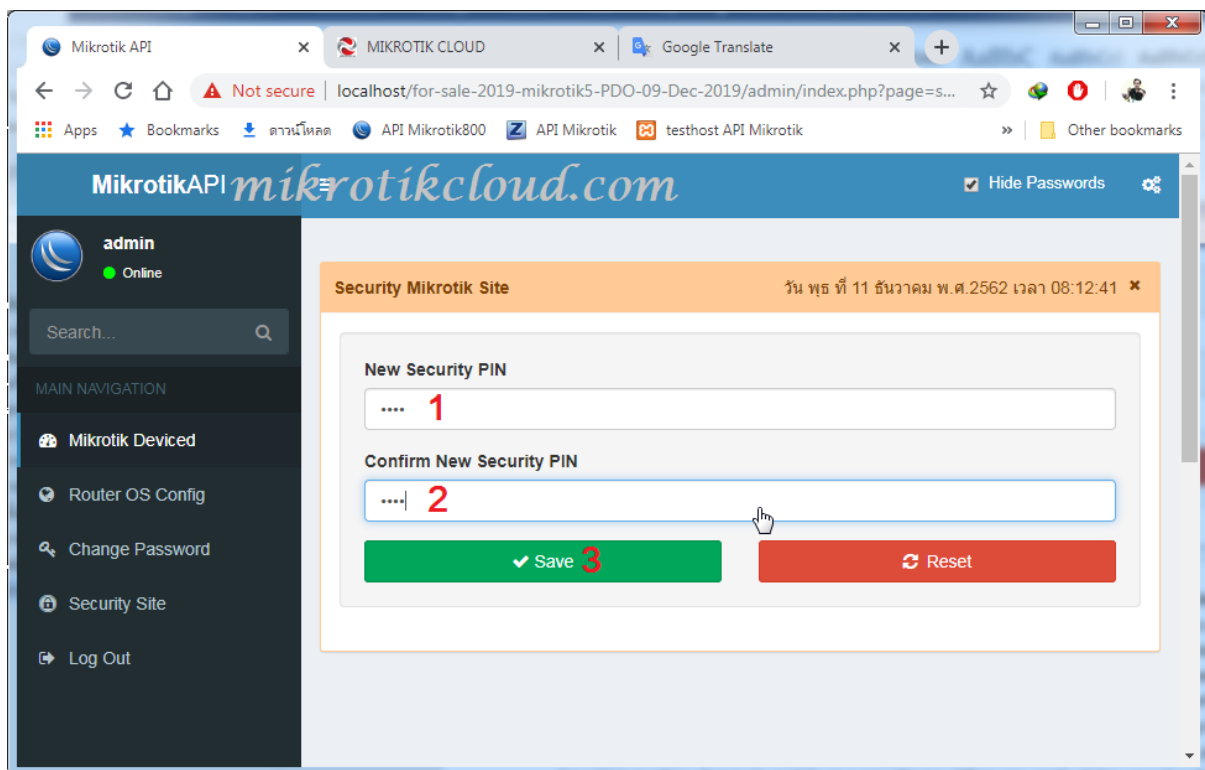
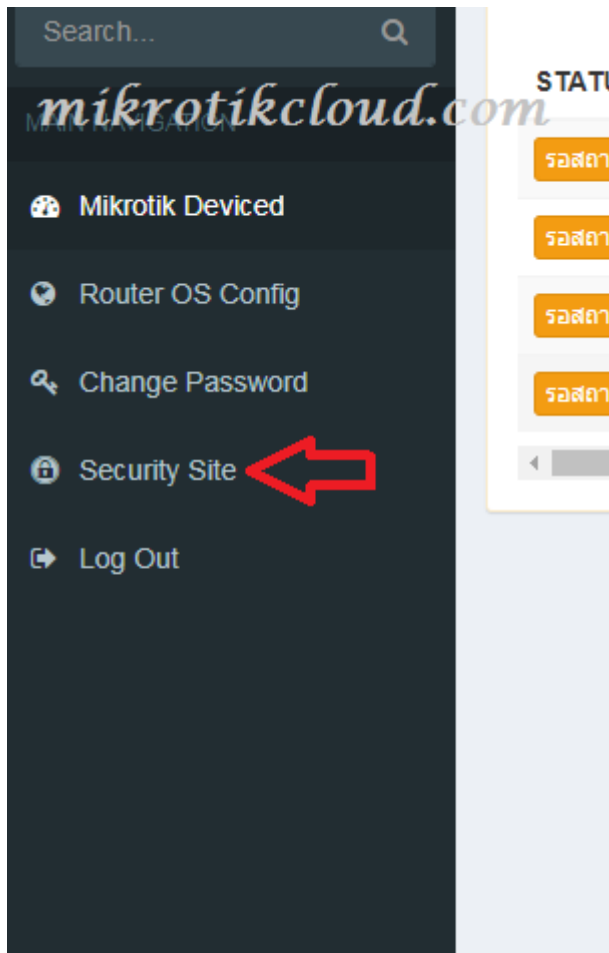
## Assign a pin password to other administrators

To do this example, I have created 4 job sites and set a PIN password to divide the administrator level into 3 levels, as shown below.

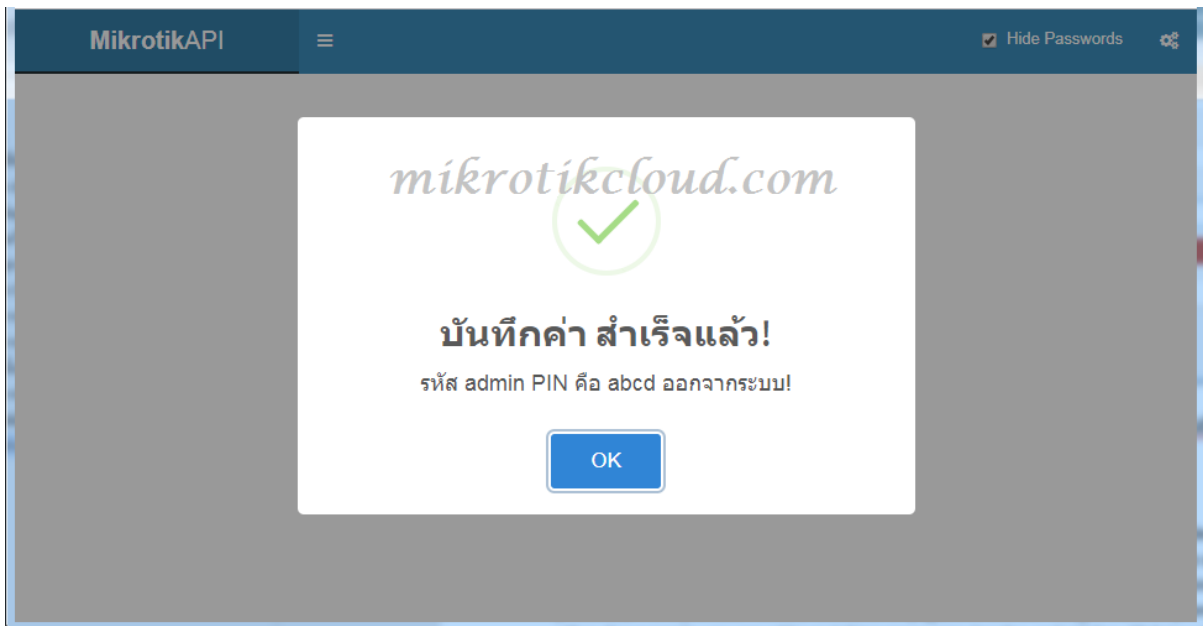
NO.	Site Name	SERVER	USERNAME	● PIN High Class	● PIN Middle Class	● PIN Lower Class
1	siteA	27	admin	*****	1111	3333
2	siteB	28	admin	*****	1111	3333
3	siteC	29	admin	*****	2222	3333
4	siteD	30	admin	*****	2222	4444

Then turn on the security site system as follows

Go to the security site page.



Set both pins to be the same and click the save button. For example, I would set it to "abcd".



When successful, will log out to login again. Enter the information.

Username = admin

Password = abcd (will be pin High Class)

Which will be able to manage all the sites, as shown in the green status

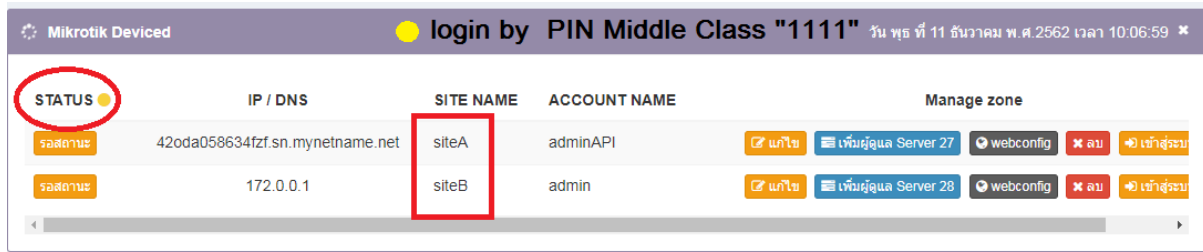


Next, login using the PIN Middle Class, which is

Username=admin

Password=1111 and 2222

Will show a yellow status



Mikrotik Devediced login by PIN Middle Class "1111" วันพุธที่ 11 ธันวาคม พ.ศ.2562 เวลา 10:06:59

STATUS	IP / DNS	SITE NAME	ACCOUNT NAME	Manage zone
รอดำเนินการ	42oda058634fzf.sn.mynetname.net	siteA	adminAPI	แก้ไข   เพิ่มข้อมูล Server 27   webconfig   ลบ   เข้าสู่ระบบ
รอดำเนินการ	172.0.0.1	siteB	admin	แก้ไข   เพิ่มข้อมูล Server 28   webconfig   ลบ   เข้าสู่ระบบ



Mikrotik Devediced login by PIN Middle Class "2222" วันพุธที่ 11 ธันวาคม พ.ศ.2562 เวลา 10:13:35

STATUS	IP / DNS	SITE NAME	ACCOUNT NAME	Manage zone
รอดำเนินการ	110.78.151.240	siteC	admin	แก้ไข   เพิ่มข้อมูล Server 29   webconfig   ลบ   เข้าสู่ระบบ
รอดำเนินการ	119.42.85.97	siteD	admin	แก้ไข   เพิ่มข้อมูล Server 30   webconfig   ลบ   เข้าสู่ระบบ

The difference is

Pin password =1111 Administer SiteA and siteB.

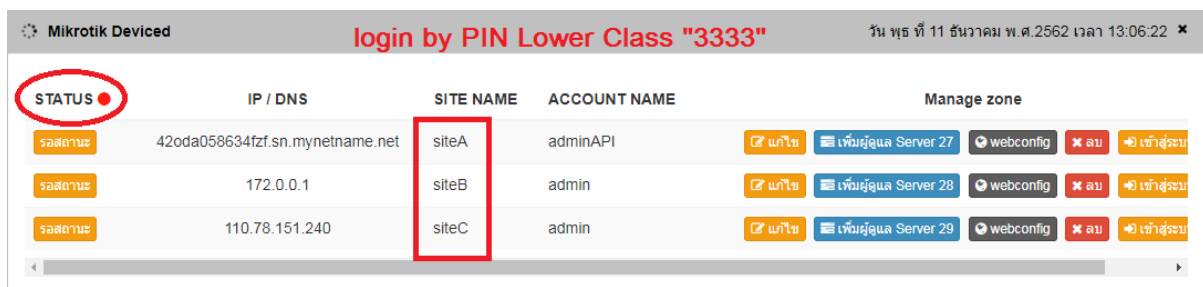
Pin password =2222 Administer SiteC and siteD.

Next, login using the PIN Lower Class, which is

Username=admin

Password=3333 and 4444

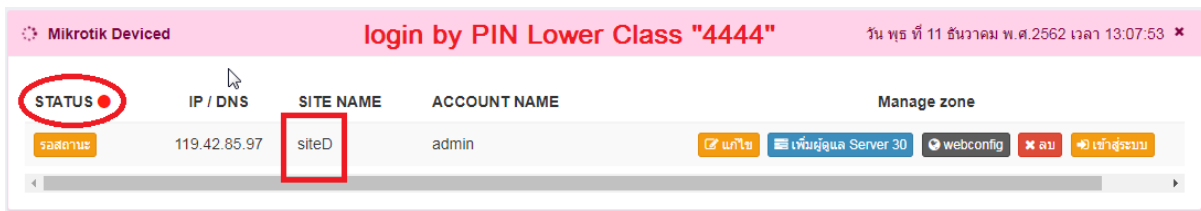
Will show a red status



Mikrotik Devediced login by PIN Lower Class "3333" วันพุธที่ 11 ธันวาคม พ.ศ.2562 เวลา 13:06:22

STATUS	IP / DNS	SITE NAME	ACCOUNT NAME	Manage zone
รอดำเนินการ	42oda058634fzf.sn.mynetname.net	siteA	adminAPI	แก้ไข   เพิ่มข้อมูล Server 27   webconfig   ลบ   เข้าสู่ระบบ
รอดำเนินการ	172.0.0.1	siteB	admin	แก้ไข   เพิ่มข้อมูล Server 28   webconfig   ลบ   เข้าสู่ระบบ
รอดำเนินการ	110.78.151.240	siteC	admin	แก้ไข   เพิ่มข้อมูล Server 29   webconfig   ลบ   เข้าสู่ระบบ





The difference is Number of job sites that can be maintained And manage that site

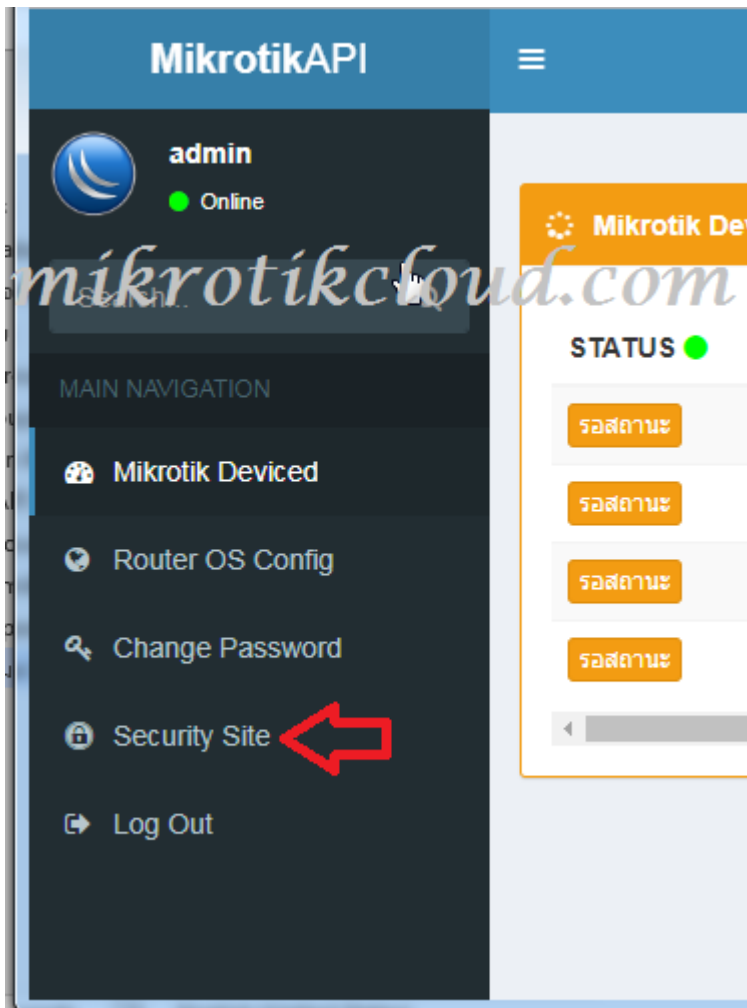
Therefore you can specify an administrator. Can be obtained from setting the pin password as mentioned

## Canceling security site mode

Please log out and sign in again as well.

Username=admin

Password=abcd \*\*\* Must be a High Class pin only \*\*\*



Go to the security site page.

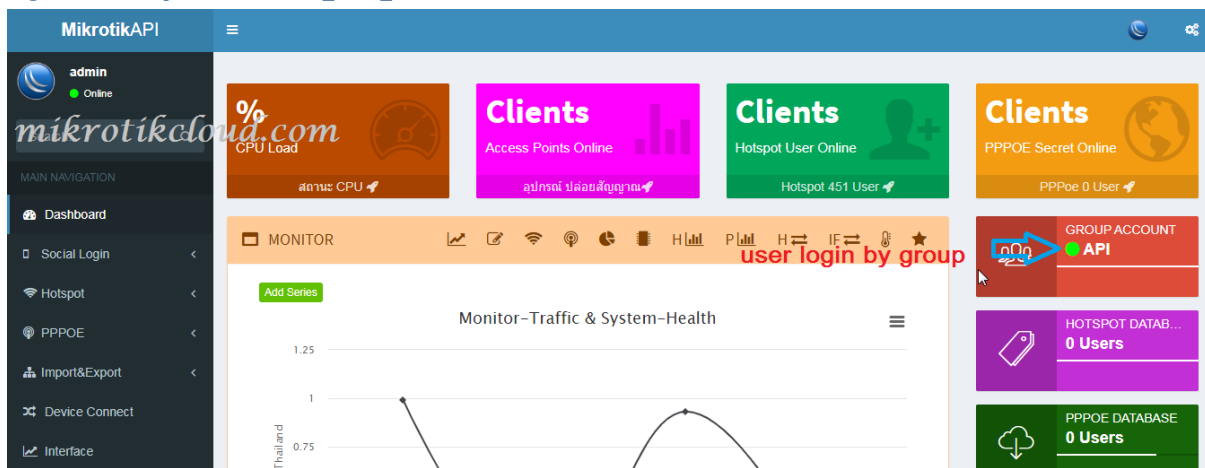
1. Enter old Security PIN = abcd \*\*\*pin High Class
2. Click the Save button.

After the system has saved the value You will be logged out. When you want to login, must use

Username=admin

Password=12345

## system/index.php



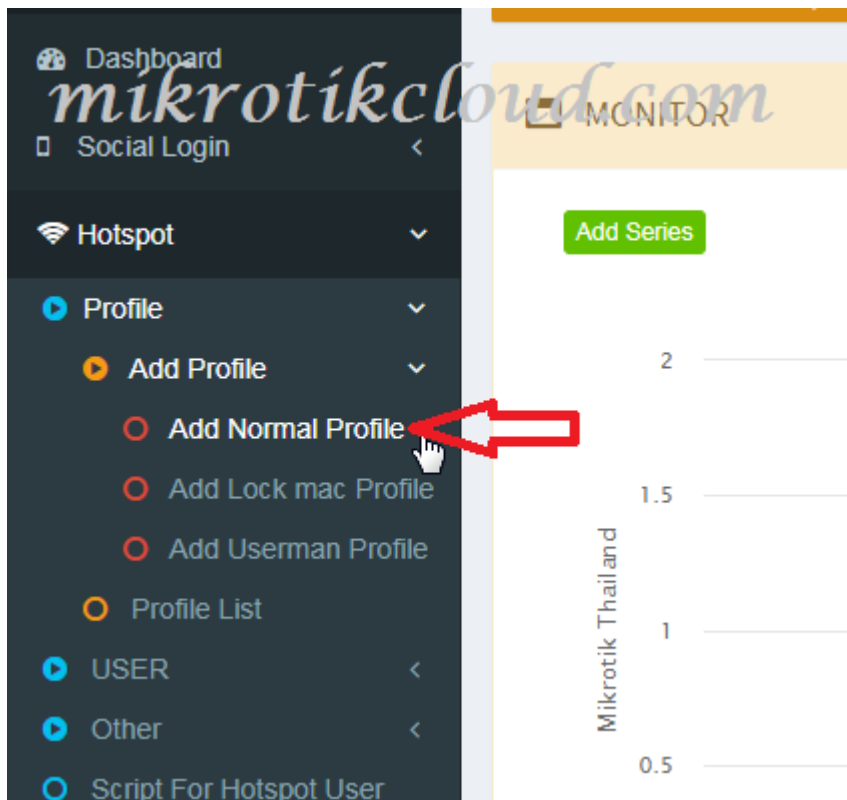
The ability to manage the system according to the "group account" will be displayed in various colors.

รายละเอียด ที่ User Account สามารถจัดการได้ในระบบ

#	Group Detail Account	● Read Group	● Write Group	● Full Group	● Other Group
1	Add user , Profile	✘	✔	✔	✔
2	Delete user , Profile	✘	✘	✔	✔
3	Edit user , Profile	✘	✔	✔	✔
4	Import user	✘	✔	✔	✔
3	Transfer user , Profile	✘	✘	✔	✔
5	Export user	✘	✔	✔	✔
6	Print Card	✘	✔	✔	✔

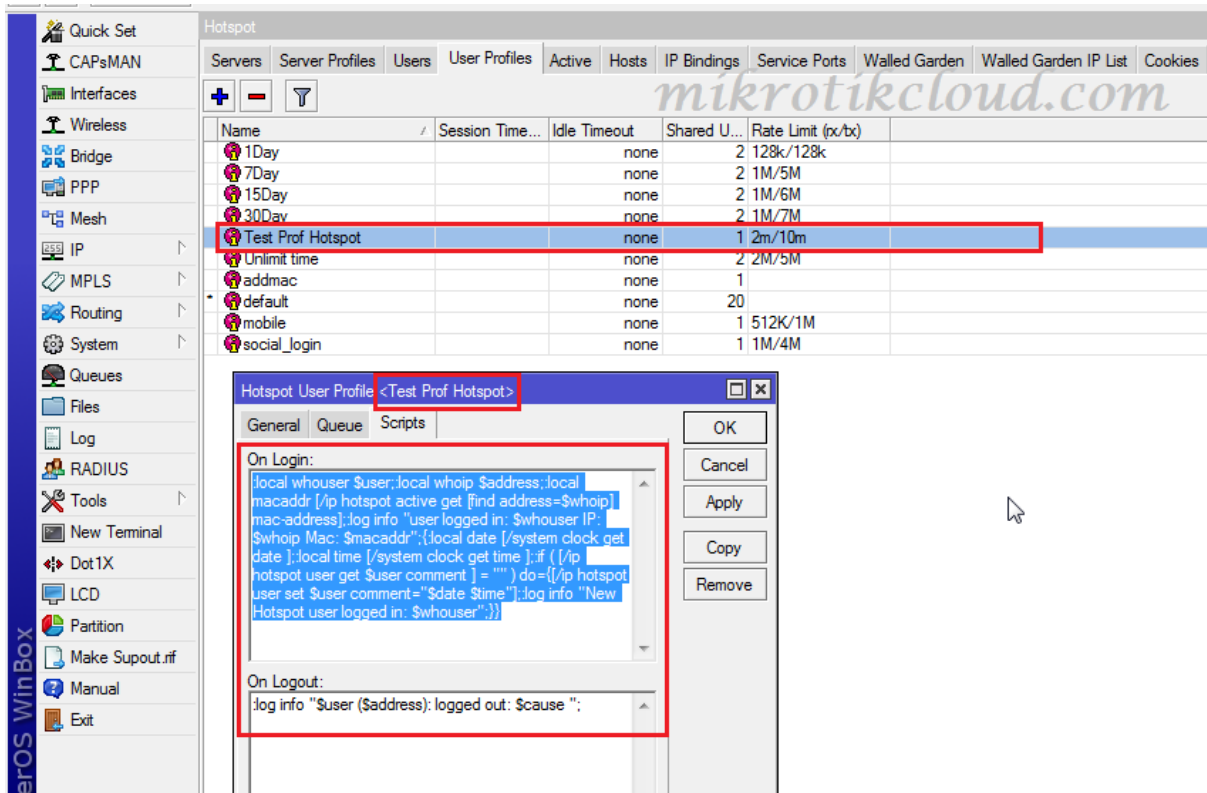
## Profile creation in hotspot with the API

The first step is to create a profile with the API.



When the settings are finished, click the Save button.

A screenshot of the 'Hotspot Add Profile' form. The form has a grey header with 'Hotspot Add Profile' and 'Uptime : 6d11h'. The form fields are arranged in two columns. The left column contains: 'Profile Name' (Test Prof Hotspot), 'Session Timeout' (Ex.04:00:00), 'Keepalive Timeout' (00:02:00), and 'Rate Limit (rx/tx)' (2m/10m). The right column contains: 'Price' (300), 'Idle Timeout' (none), 'Status Autorefresh' (00:01:00), and 'Shared Users' (1). At the bottom, there are three buttons: a green 'Save' button with a checkmark, a red 'Reset' button with a circular arrow, and a blue button with Thai text 'ข้อเสนอการใช้งาน'. A hand cursor is over the 'Save' button. A 'mikrotikcloud.com' watermark is visible over the form.

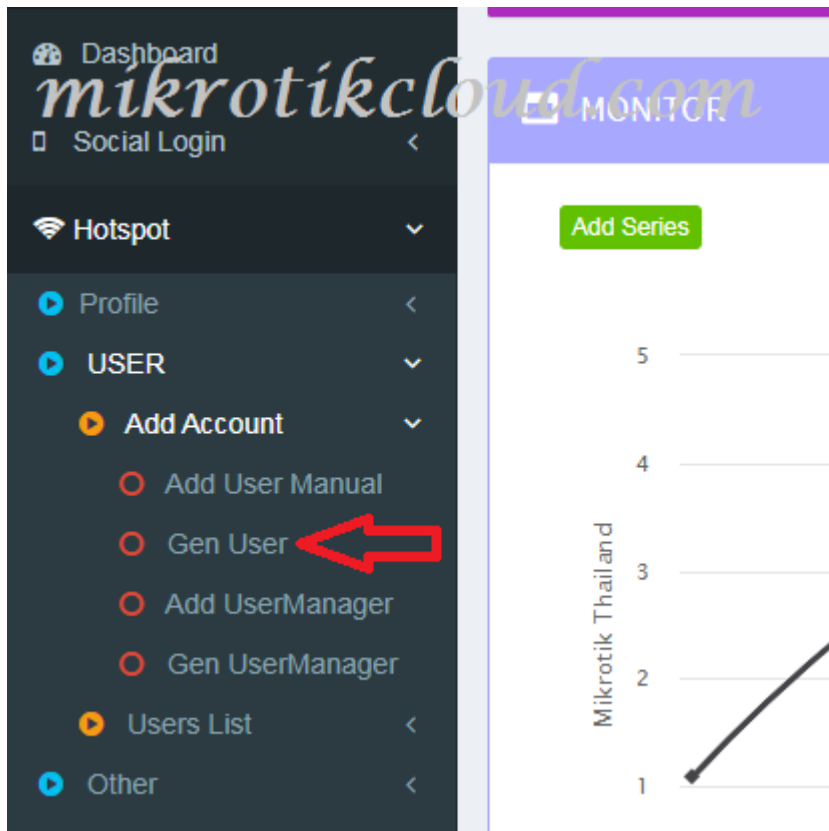


Take a look at the winbox. In the created profile there will be a script at On Login. Complete the profile creation process.

## Create a user on a hotspot with the API.

To create a user who wants to set the expiration date without usermanager can be done using the API program. But with the condition Do not set comments on the user.

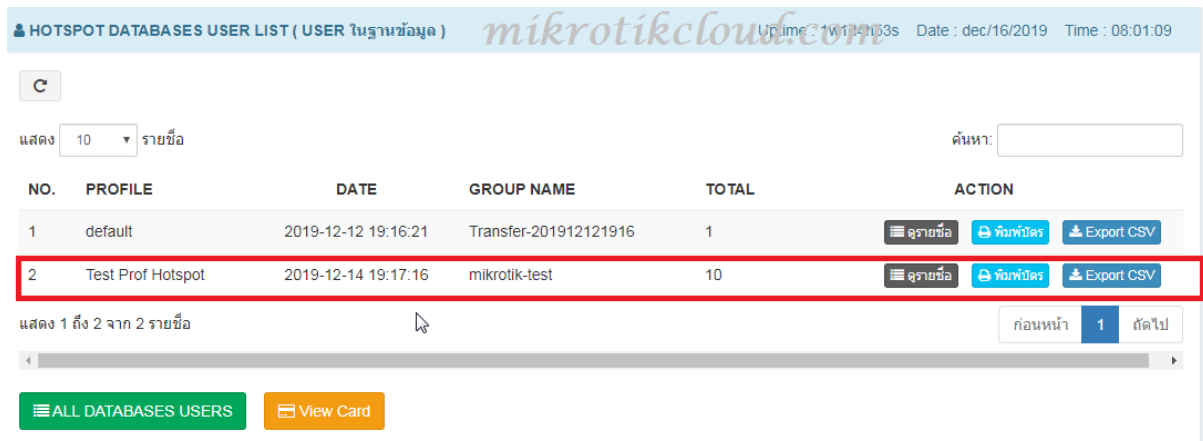
Give an example of the Generate User.



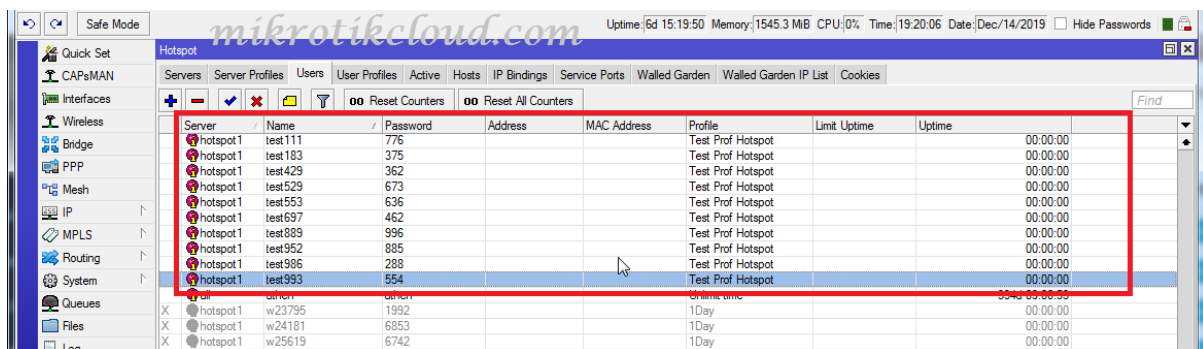
The image shows the 'Hotspot Generate User' configuration page in Mikrotik Cloud. The page has a purple header with the text 'Hotspot Generate User - สร้างบัตรอินเทอร์เน็ต' and a watermark 'mikrotikcloud.com'. The configuration is organized into several sections: 'เลือก Servers' (hotspot1), 'เลือก Package' (Test Prof Hotspot), 'จำกัดเวลาใช้งาน' (Ex. 1d or 1h), 'เจาะจง MAC Address' (Ex. 1A:2A:3A:4A:5A:6A), 'Pattern Characters' (1-9), 'Number of users' (10), 'Prefix User' (test), 'Prefix Password' (พาทน์ password), 'Username length' (3), and 'Password length' (3). There is also a 'Comment - เติมเต็ม' field with the text 'สูงสุด 30ตัวอักษร'. At the bottom, there are three buttons: 'Generate' (green), 'Reset' (red), and 'ข้อแนะนำการใช้งาน' (blue).

Various settings According to the instructions and click the Save button.

After successfully adding the user, go to the Hotspot Databases User List page.



We can customize Card or Export CSV. For the first time, you may open the website popup.



List users in winbox created with the API.

## Card Printing Settings



Print 1 sheet of paper

Destination Brother DCP-T300 Prio

Pages All

Copies 1

Layout Landscape

Color Color

More settings

Print Cancel

Print 1 sheet of paper

Color Color

More settings

Paper size Letter (215.9 x 279.4 มม.)

Pages per sheet 1

Margins Default

Scale Default



Two-sided  Print on both sides

Options  Headers and footers  Background graphics


Print using system dialog... (Ctrl+Shift+P)

Print Cancel





Mikrotikcloud WIFI		SCAN LOG IN 	Mikrotikcloud WIFI		SCAN LOG IN 
Package	1 วัน		Package	1 วัน	
Home Page	172.0.0.1/login	Home Page	172.0.0.1/login		
Time Limit	อายุใช้งาน 1วัน	Time Limit	อายุใช้งาน 1วัน		
Price	ราคา. 300 บาท	Price	ราคา. 300 บาท		
Username Password		Username Password			
<b>test111</b>	<b>776</b>	<b>test993</b>	<b>554</b>		
2m/10m	Call: 084-1234-123	2m/10m	Call: 084-1234-123		

Mikrotikcloud WIFI		SCAN LOG IN 	Mikrotikcloud WIFI		SCAN LOG IN 
Package	1 วัน		Package	1 วัน	
Home Page	172.0.0.1/login	Home Page	172.0.0.1/login		
Time Limit	อายุใช้งาน 1วัน	Time Limit	อายุใช้งาน 1วัน		
Price	ราคา. 300 บาท	Price	ราคา. 300 บาท		
Username Password		Username Password			
<b>test889</b>	<b>996</b>	<b>test429</b>	<b>362</b>		
2m/10m	Call: 084-1234-123	2m/10m	Call: 084-1234-123		

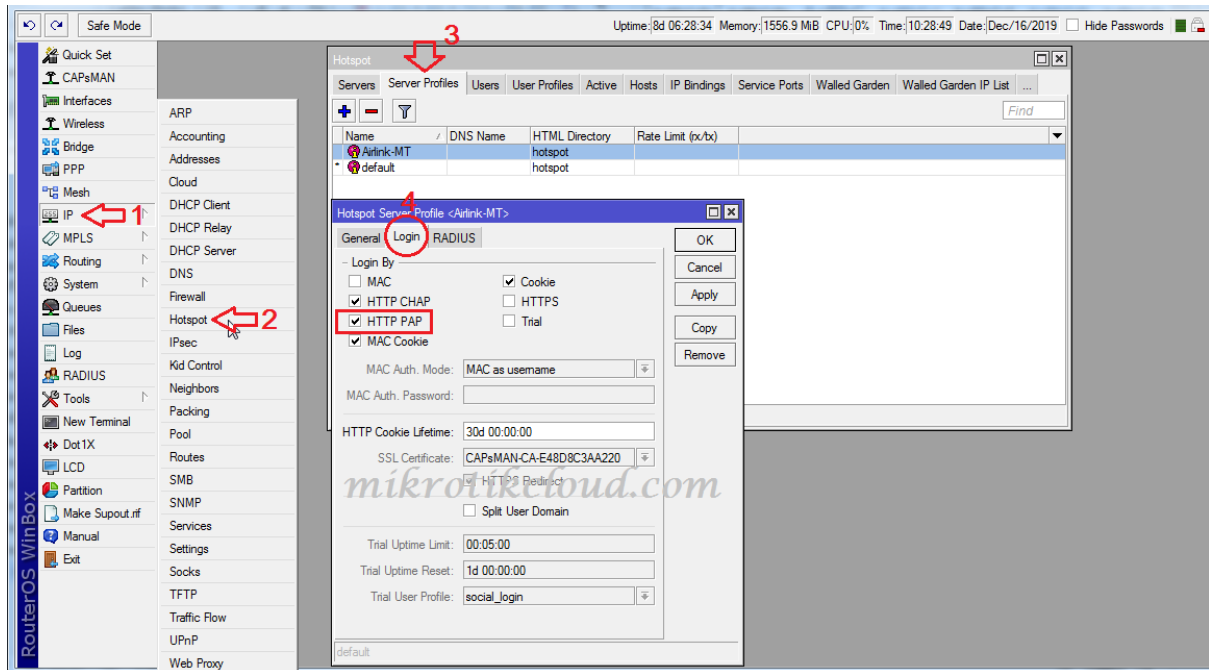
  

Mikrotikcloud WIFI		SCAN LOG IN 	Mikrotikcloud WIFI		SCAN LOG IN 
Package	1 วัน		Package	1 วัน	
Home Page	172.0.0.1/login	Home Page	172.0.0.1/login		
Time Limit	อายุใช้งาน 1วัน	Time Limit	อายุใช้งาน 1วัน		
Price	ราคา. 300 บาท	Price	ราคา. 300 บาท		
Username Password		Username Password			
<b>test529</b>	<b>673</b>	<b>test952</b>	<b>885</b>		
2m/10m	Call: 084-1234-123	2m/10m	Call: 084-1234-123		

From the QR code image. When you scan, you will get <http://172.0.0.1/login?username=test529&password=673>

If different from the example Please edit it on the Hotspot Edit Card page.

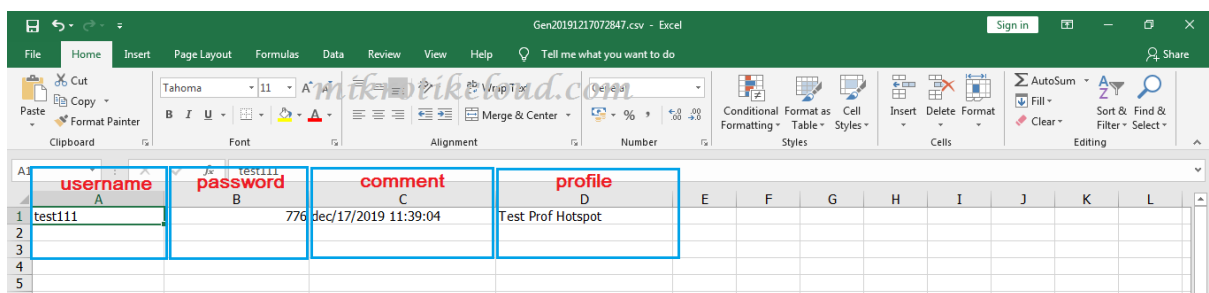
And allow you to go to winbox settings to enable HTTP PAP



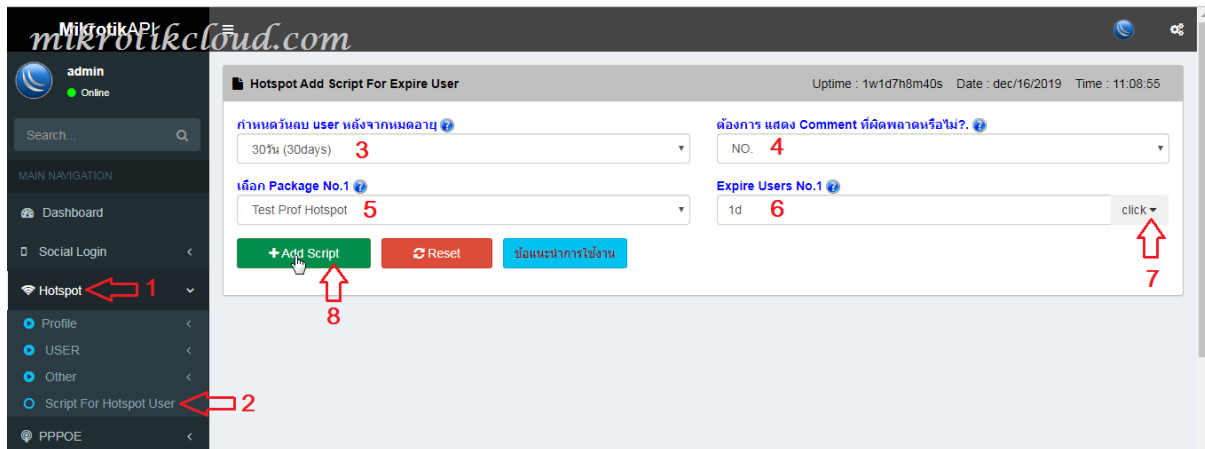
## Import/Export CSV file

Once you have created the user in the database, you can export the user directly on the hotspot databases user list page.

If you want to import, please adjust the columns A, B and C.



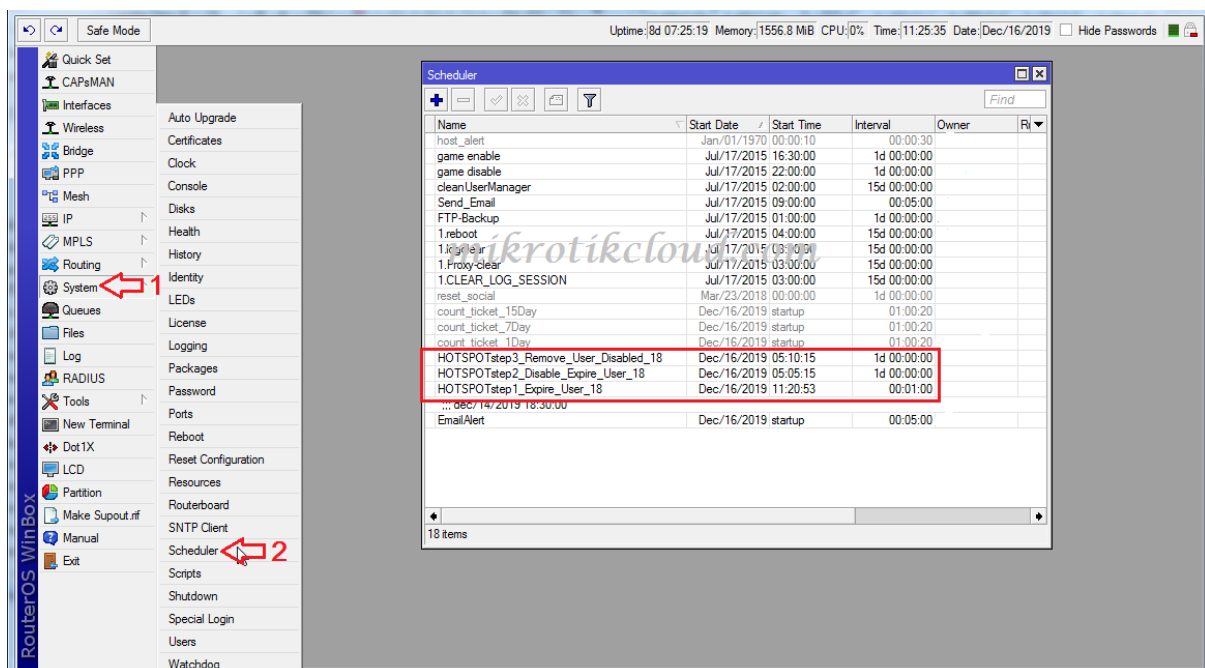
# Create a script to set the expiration date for users on Hotspot.



Go to the Hotspot Add Script For Expire User page.

Make the correct settings. If more than 1 profile, click the button 7.

When creating scripts, you should do it only once. If wrong or want to add a new profile The script should be deleted and created again.



Scripts in winbox

When the user login, there will be a comment showing the date and time.

Server	Name	Password	Address	MAC Address	Profile	Limit Uptime	Uptime
X hotspot1	s37915	2639			1Day		00:00:00
X hotspot1	s37926	2156			1Day		00:00:00
X hotspot1	s37928	2212			1Day		00:00:00
X hotspot1	s37939	2842			1Day		00:00:00
X hotspot1	s37952	9662			1Day		00:00:00
X hotspot1	s37965	3318			1Day		00:00:00
X hotspot1	s37969	5121			1Day		00:00:00
X hotspot1	s37977	1477			1Day		00:00:00
::: dec/15/2019 11:39:04							
hotspot1	test111	776			Test Prof Hotspot		00:00:00
hotspot1	test103	373			Test Prof Hotspot		00:00:00
hotspot1	test429	362			Test Prof Hotspot		00:00:00
hotspot1	test529	673			Test Prof Hotspot		00:00:00
hotspot1	test553	636			Test Prof Hotspot		00:00:00
hotspot1	test697	462			Test Prof Hotspot		00:00:00
hotspot1	test889	996			Test Prof Hotspot		00:00:00
hotspot1	test952	885			Test Prof Hotspot		00:00:00
hotspot1	test986	288			Test Prof Hotspot		00:00:00
hotspot1	test993	554			Test Prof Hotspot		00:00:00
hotspot1	time	2536			default		00:00:00
hotspot1	time2	2536			default		00:00:00
hotspot1	time3	2536			default		00:00:00
all	uthen	uthen			Unlimit time		334d 09:00:53

Server	Name	Password	Address	MAC Address	Profile	Limit Uptime	Uptime
X hotspot1	s37928	2212			1Day		00:00:00
X hotspot1	s37939	2842			1Day		00:00:00
X hotspot1	s37952	9662			1Day		00:00:00
X hotspot1	s37965	3318			1Day		00:00:00
X hotspot1	s37969	5121			1Day		00:00:00
X hotspot1	s37977	1477			1Day		00:00:00
::: dec/15/2019 11:39:04							
hotspot1	test111	776			Test Prof Hotspot	00:00:01	00:00:49
hotspot1	test103	373			Test Prof Hotspot		00:00:00
hotspot1	test429	362			Test Prof Hotspot		00:00:00
hotspot1	test529	673			Test Prof Hotspot		00:00:00
hotspot1	test553	636			Test Prof Hotspot		00:00:00
hotspot1	test697	462			Test Prof Hotspot		00:00:00
hotspot1	test889	996			Test Prof Hotspot		00:00:00
hotspot1	test952	885			Test Prof Hotspot		00:00:00
hotspot1	test986	288			Test Prof Hotspot		00:00:00
hotspot1	test993	554			Test Prof Hotspot		00:00:00

Dec/16/2019 11:39:04	memory	script, info	New Hotspot user logged in: test111				
Dec/16/2019 11:39:04	memory	system, info	Hotspot user test111 changed by admin@2188				
Dec/16/2019 11:39:53	memory	script, warning	HOTSPOT EXPIRE SCRIPT: Profile Test Prof Hotspot Set expire user :test111 first logged in dec/15/2019 11:39:04				
Dec/16/2019 11:39:53	memory	system, info	Hotspot user test111 changed by admin ADI				
Dec/16/2019 11:39:53	memory	hotspot, info, debug	test111 (172.0.0.71): logged out: admin reset				
Dec/16/2019 11:39:53	memory	script, info	test111 (172.0.0.71): logged out: admin reset				

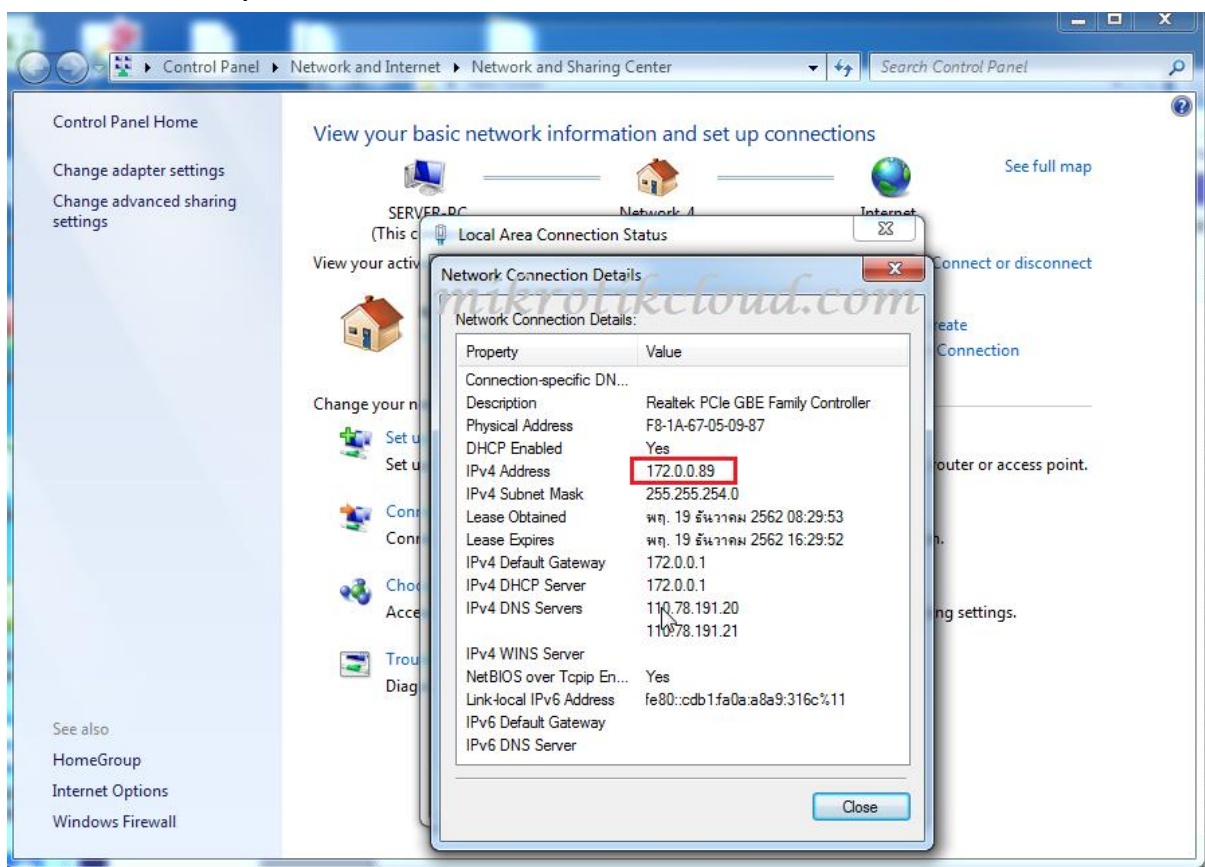
When expired, the script will set limit-uptime = 1s to users.

## Create a Host to use on Hotspot.

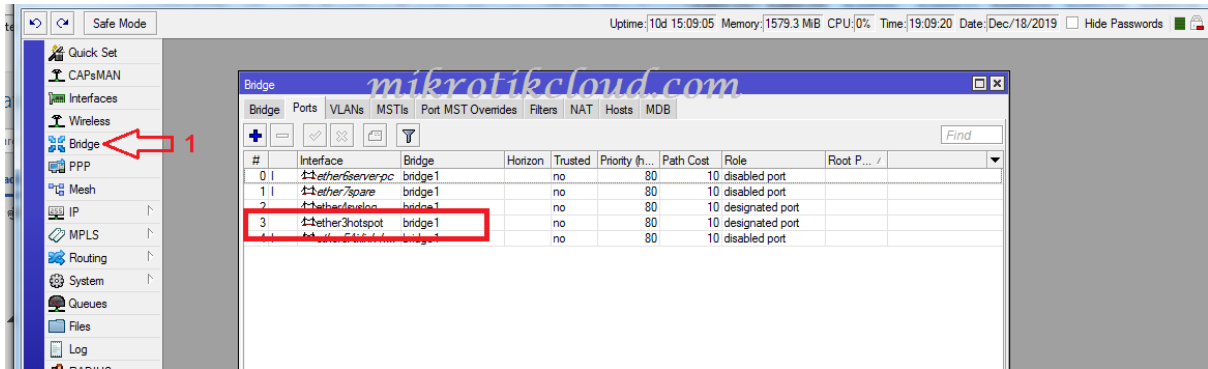
I will explain the server creation for the client to use, such as checking the expiration date, register, change password, Top-up days And to bring the API file installed in it

You may use different programs to create a different server from the example. But the connection with mikrotik is the same

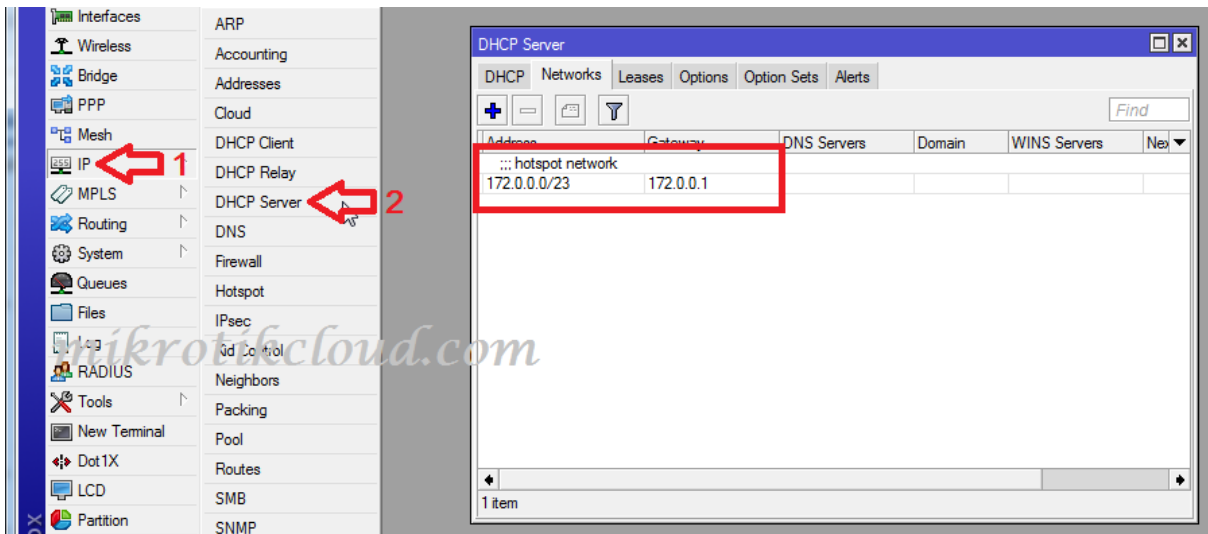
For this example, I will create in Windows.



From the picture of the PC that I will make Server IP 172.0.0.89 is a Hotspot IP.

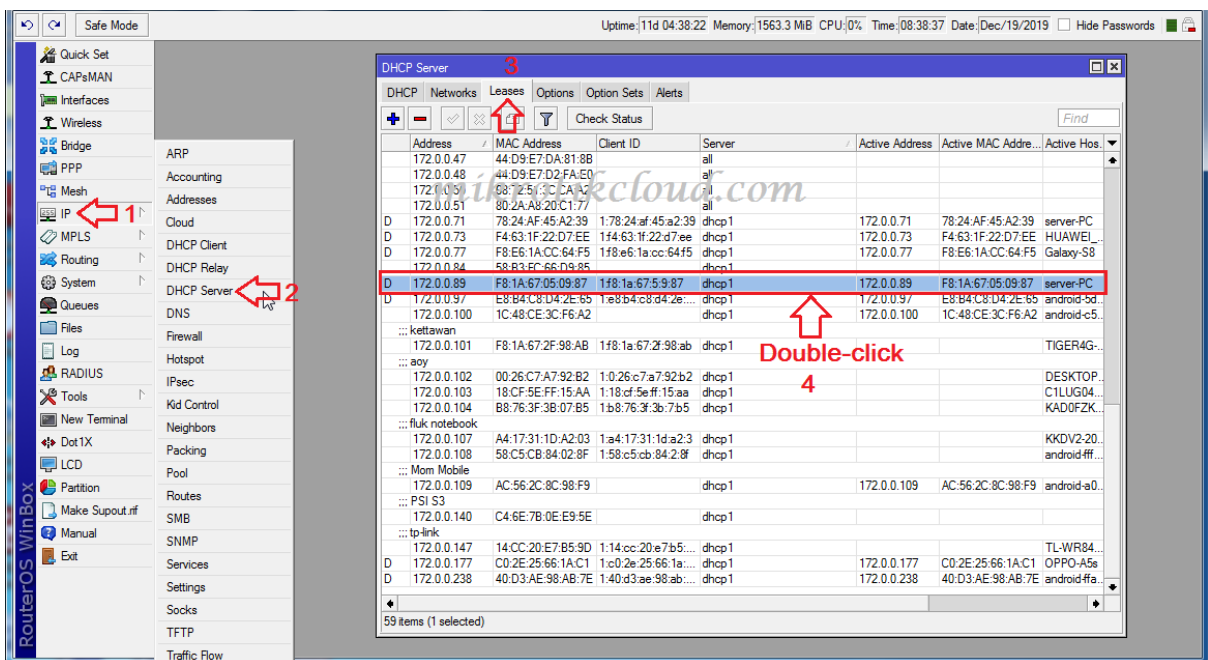


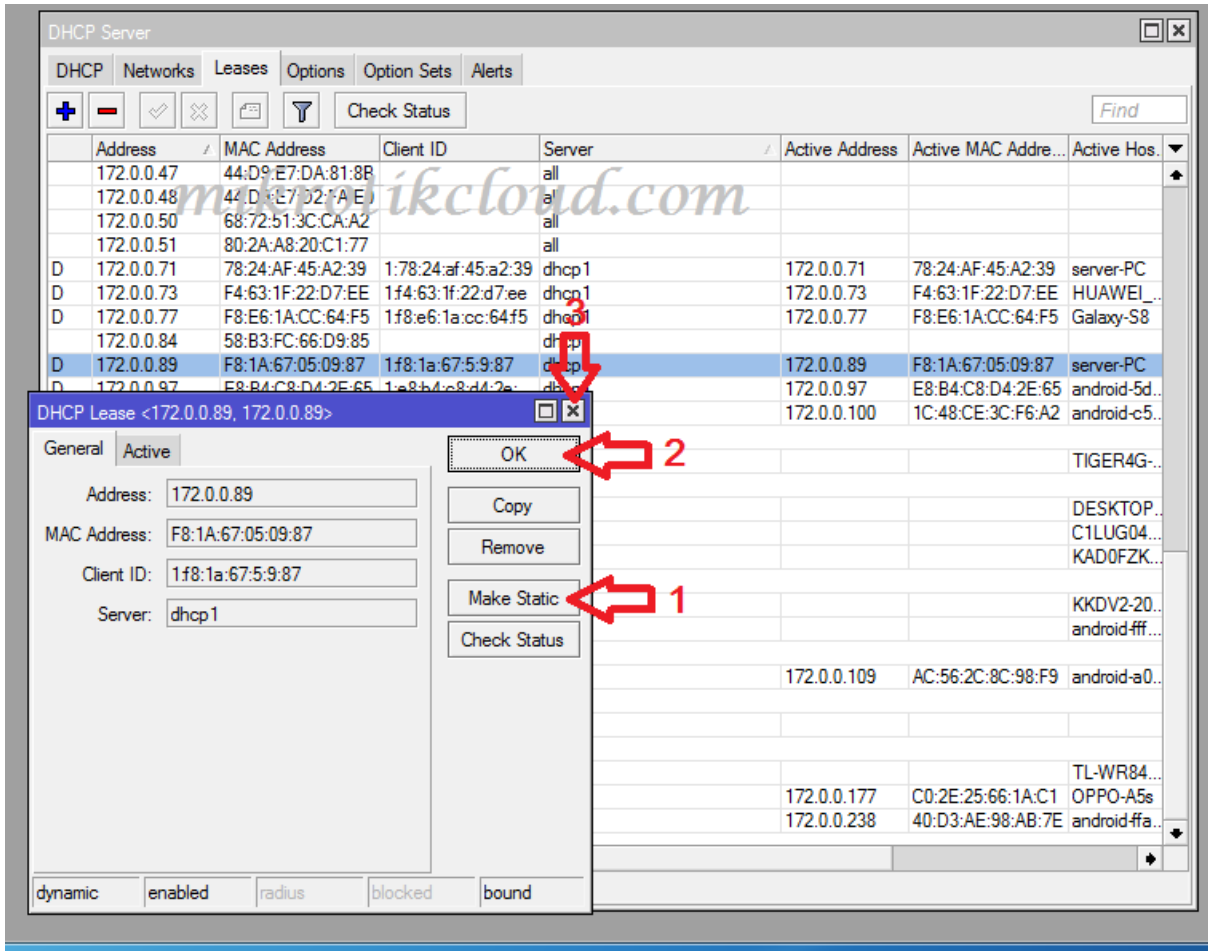
ether3hotspot is in bridge1



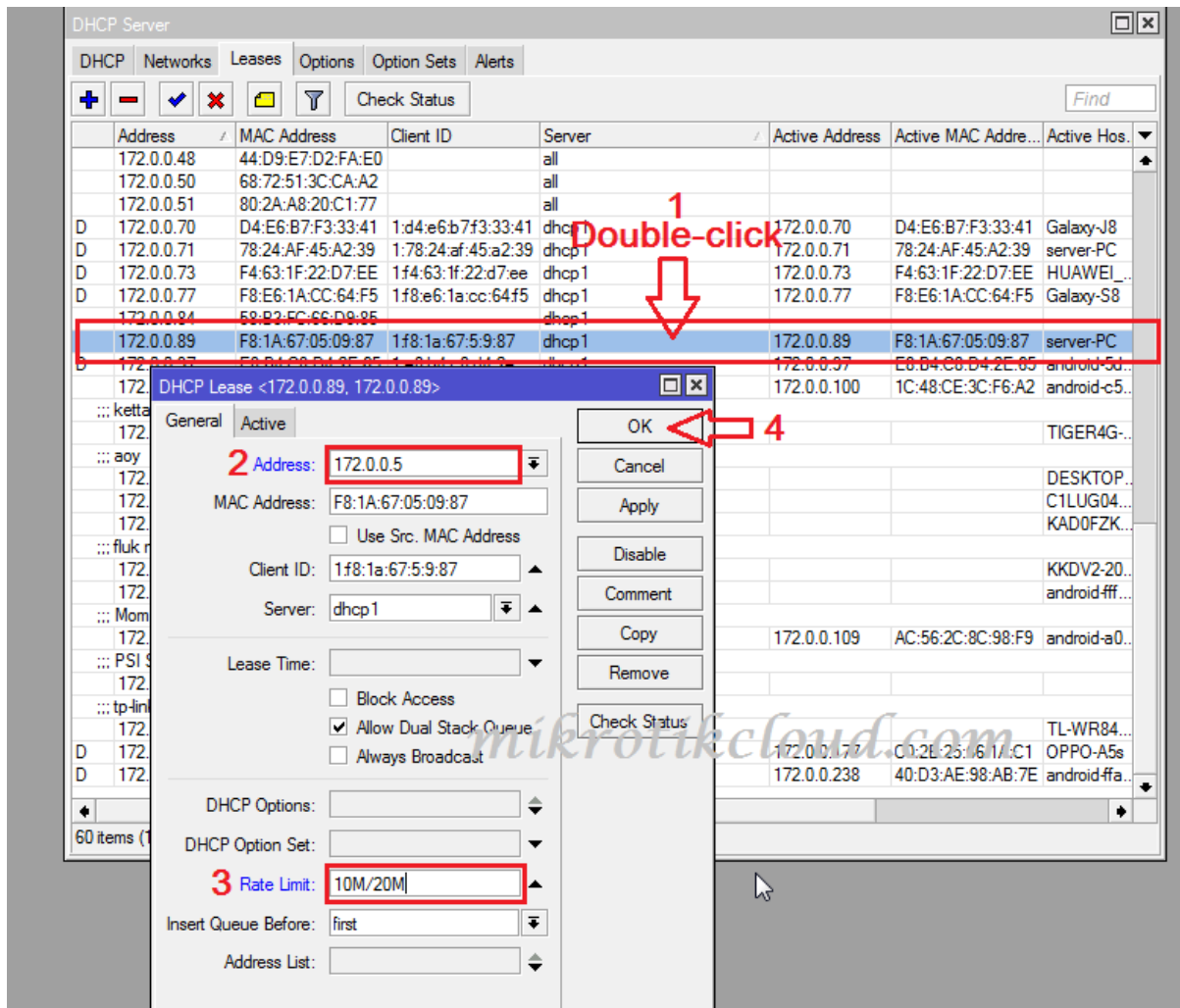
Network is 172.0.0.0/23

Next step, make a Static ip to reserve the IP for the server.





Follow the steps in the pictures above 1,2 and 3.



2. Specify the desired IP address. If you are going to use the old IP address, do not need to change it. Here I want

Changed to 172.0.0.5

3. Configure upload / download For the server, which will control the speed of ip binding

4. When every step is completed, click the OK button and close this window.



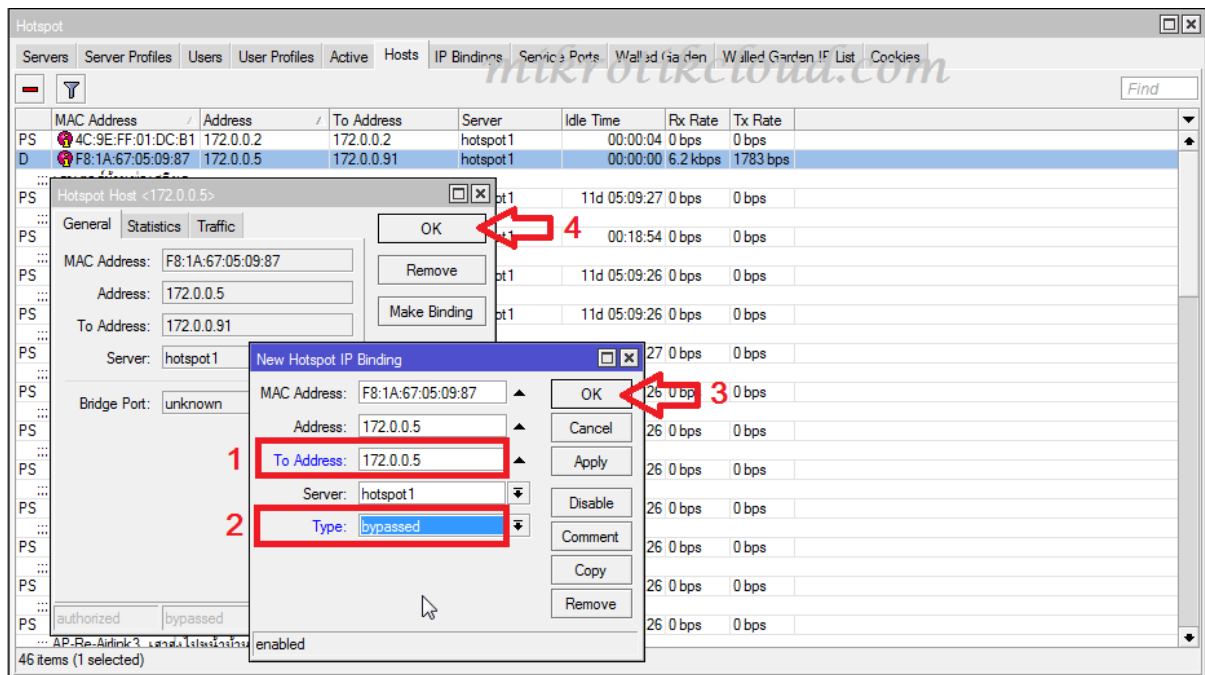
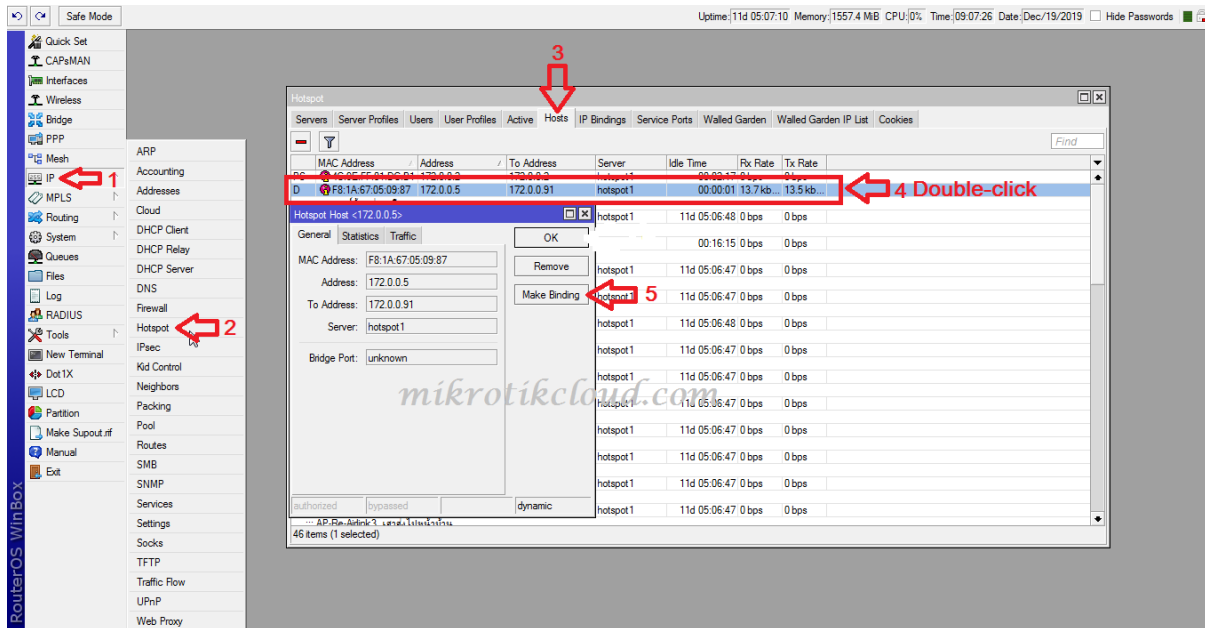
When finished, IP 172.0.0.89 will still be used. Please disconnect the LAN cable connected to the server or restart the PC.

Address	MAC Address	Client ID	Server	Active Address	Active MAC Address	Active Hostname	Expires After	Status
172.0.0.2	4C:9E:FF:01:DC:B1	1:84:39:e5:b5:8:71	dhcp1	172.0.0.2	4C:9E:FF:01:DC:B1	NSA310S	07:44:06	bound
172.0.0.4	94:39:E5:B5:8:71	1:84:39:e5:b5:8:71	dhcp1			PUVAID		waiting
172.0.0.5	F8:1A:67:05:09:87	1:f8:1a:67:5:9:87	dhcp1	172.0.0.89	F8:1A:67:05:09:87	server-PC	07:44:00	bound
172.0.0.6	78:28:06:0E:5F:D2	1:78:28:6:e:5f:d2	dhcp1					waiting
172.0.0.10	68:72:51:16:9A:90		all					waiting
172.0.0.11	04:18:D6:54:8E:91		all					waiting
172.0.0.12	68:72:51:16:EC:E2		all					waiting
172.0.0.13	68:72:51:16:98:3E		all					waiting
172.0.0.14	68:72:51:16:EA:C8		all					waiting
172.0.0.15	68:72:51:2C:93:CA		all					waiting
172.0.0.16	68:72:51:16:EF:11		all					waiting
172.0.0.17	04:18:D6:54:91:18		all					waiting
172.0.0.18	04:18:D6:54:90:F7		all					waiting
172.0.0.19	68:72:51:16:9E:A3		all			Nano Stati...		waiting
172.0.0.21	24:A4:3C:7A:F5:77		all					waiting
172.0.0.22	24:A4:3C:AA:92:1F		all					waiting
172.0.0.23	68:72:51:0A:33:08		all					waiting
172.0.0.24	04:18:D6:96:77:6A		all					waiting
172.0.0.25	04:18:D6:96:77:17		all					waiting
172.0.0.26	68:72:51:16:99:8D		all					waiting
172.0.0.27	68:72:51:16:9A:29		all					waiting
172.0.0.28	68:72:51:16:98:56		all					waiting
172.0.0.29	68:72:51:16:97:CB		all					waiting
172.0.0.30	68:72:51:12:2B:4A		all					waiting
172.0.0.31	68:72:51:0A:EC:98		all					waiting
172.0.0.32	68:72:51:12:28:D1		all					waiting
172.0.0.33	68:72:51:12:2B:1D		all					waiting
172.0.0.34	68:72:51:12:2A:30		all					waiting
172.0.0.35	68:72:51:12:2A:2D		all					waiting

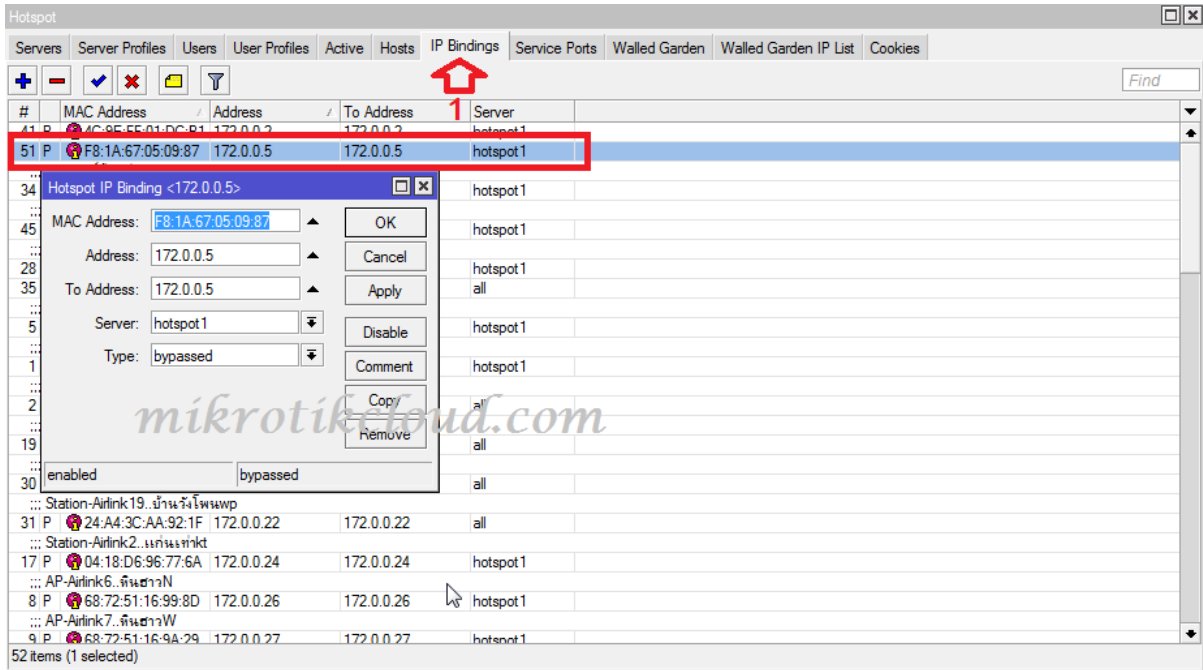
When you turn on or plug in a new LAN then get the desired IP

Address	MAC Address	Client ID	Server	Active Address	Active MAC Address	Active Hostname	Expires After	Status
172.0.0.2	4C:9E:FF:01:DC:B1	1:84:39:e5:b5:8:71	dhcp1	172.0.0.2	4C:9E:FF:01:DC:B1	NSA310S	07:40:32	bound
172.0.0.4	94:39:E5:B5:8:71	1:84:39:e5:b5:8:71	dhcp1			PUVAID		waiting
172.0.0.5	F8:1A:67:05:09:87	1:f8:1a:67:5:9:87	dhcp1	172.0.0.5	F8:1A:67:05:09:87	server-PC	07:57:33	bound
172.0.0.6	78:28:06:0E:5F:D2	1:78:28:6:e:5f:d2	dhcp1					waiting
172.0.0.10	68:72:51:16:9A:90		all					waiting
172.0.0.11	04:18:D6:54:8E:91		all					waiting
172.0.0.12	68:72:51:16:EC:E2		all					waiting
172.0.0.13	68:72:51:16:98:3E		all					waiting
172.0.0.14	68:72:51:16:EA:C8		all					waiting
172.0.0.15	68:72:51:2C:93:CA		all					waiting
172.0.0.16	68:72:51:16:EF:11		all					waiting
172.0.0.17	04:18:D6:54:91:18		all					waiting
172.0.0.18	04:18:D6:54:90:F7		all			Nano Stati...		waiting
172.0.0.19	68:72:51:16:9E:A3		all					waiting
172.0.0.21	24:A4:3C:7A:F5:77		all					waiting
172.0.0.22	24:A4:3C:AA:92:1F		all					waiting

The next step is to bypass to use the internet without login.



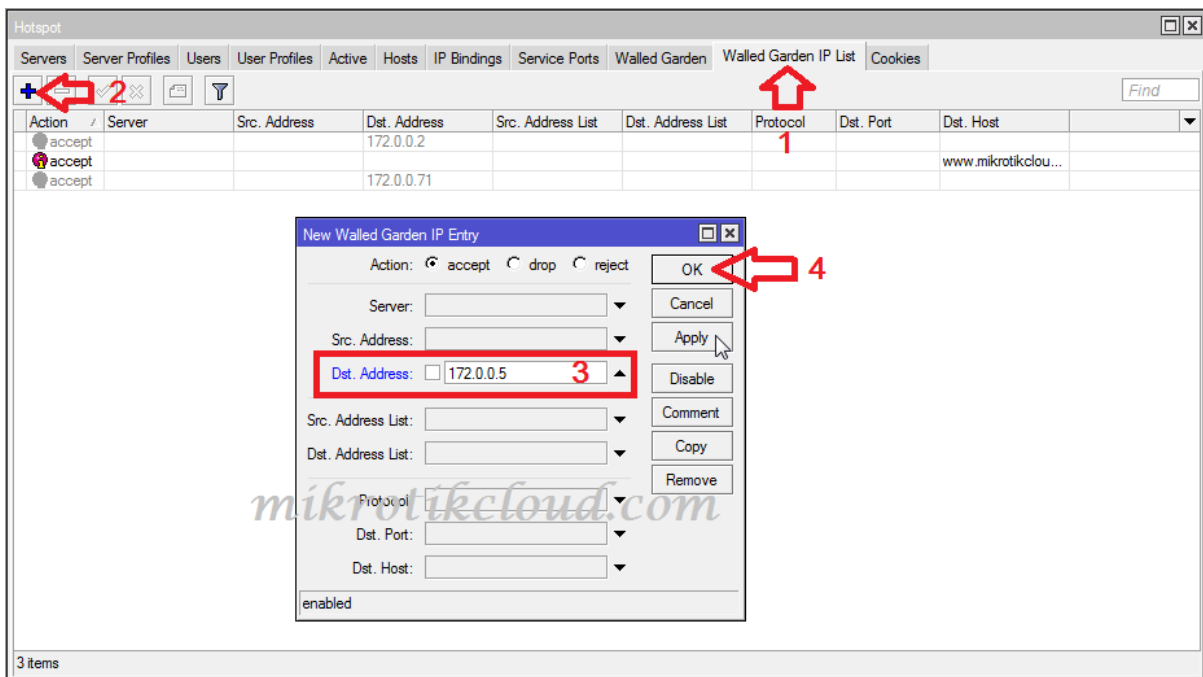
1. Set the Address and To Address the same
2. Select Type: bypassed
3. Click the OK button.



Check the accuracy of the ip bindings page.

The next step is to bypass the ip of the server to enable clients in the hotspot to access even if they are not logged in.

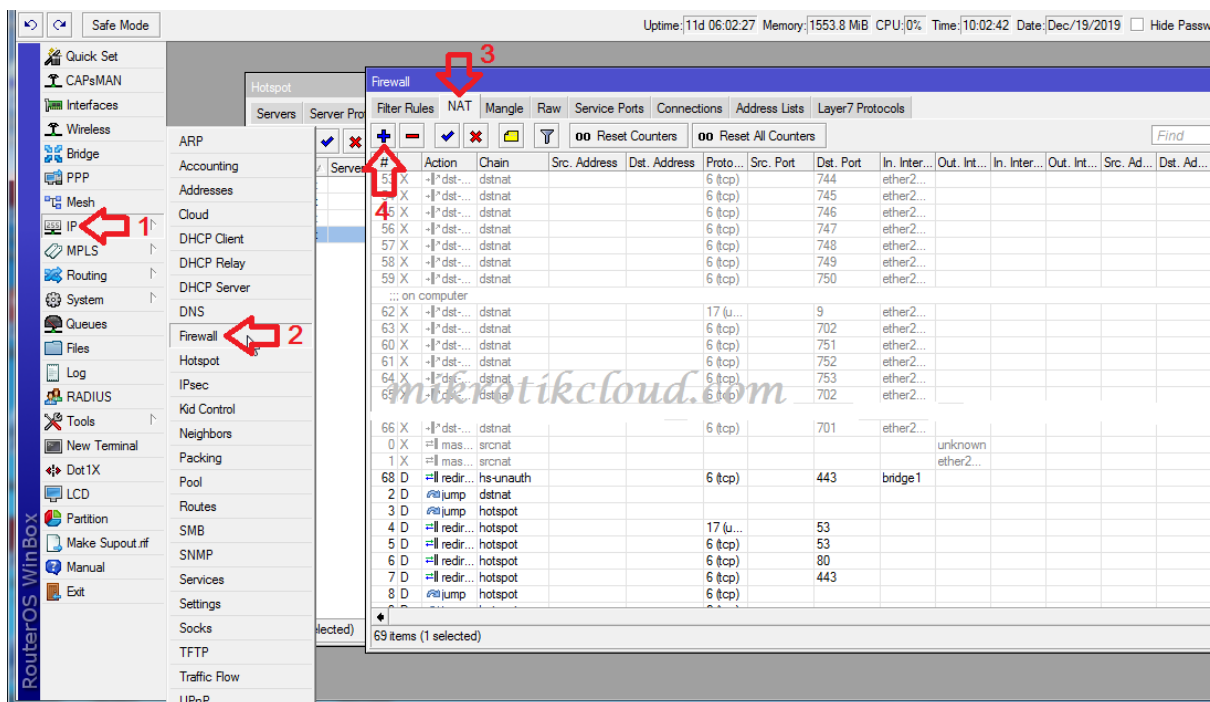
To redirect the top-up page, check the expiration date page ,  
Registration page



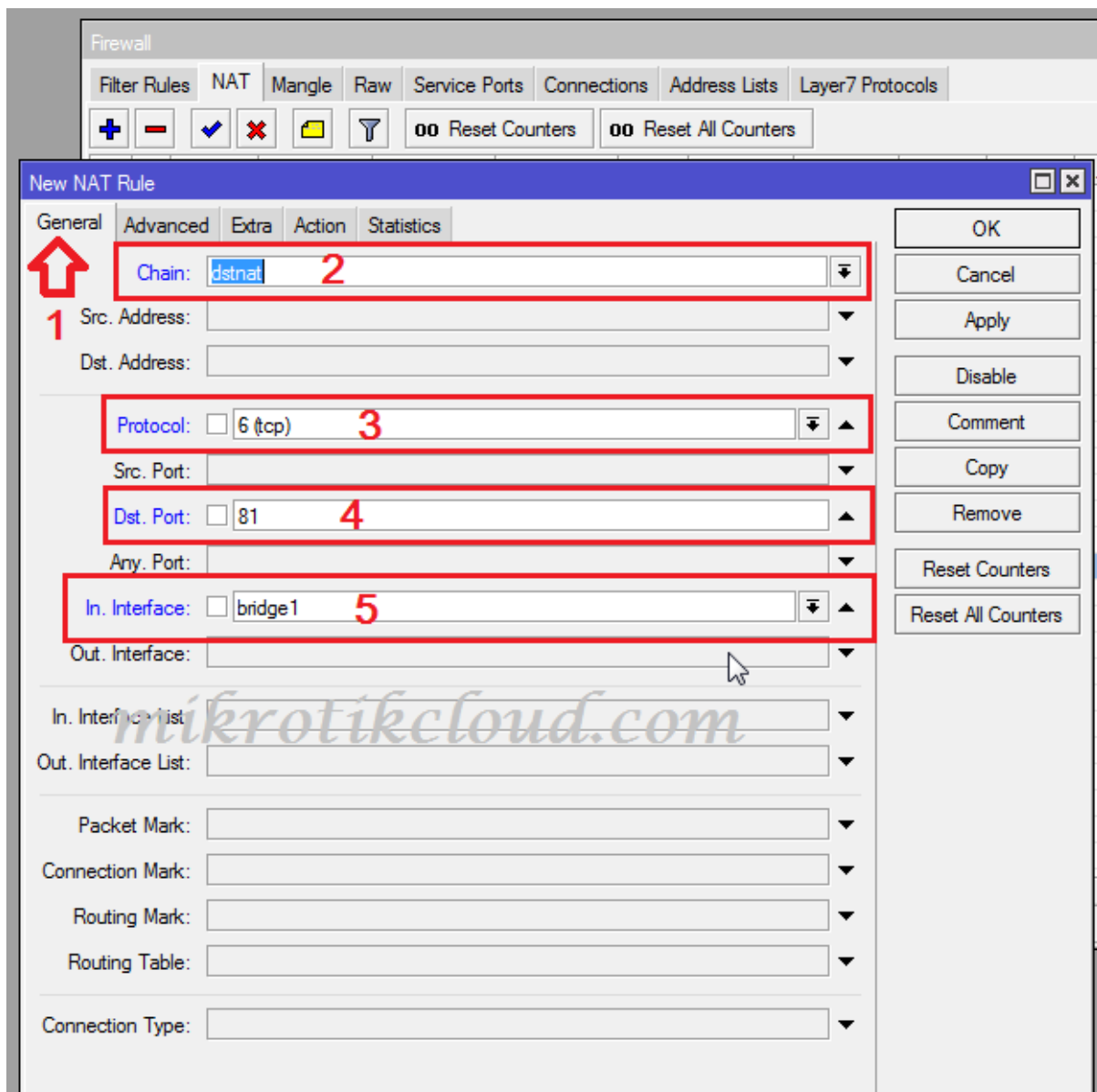
Follow the steps in the image above and press OK to finish. Walled Garden IP Procedure

The next step is to do a Redirect from the hotspot IP router, 172.0.0.1 port81.

Go to the IP of the host server is 172.0.0.5 port81 or you will specify Other ports are optional



Follow steps 1-4 as shown above.

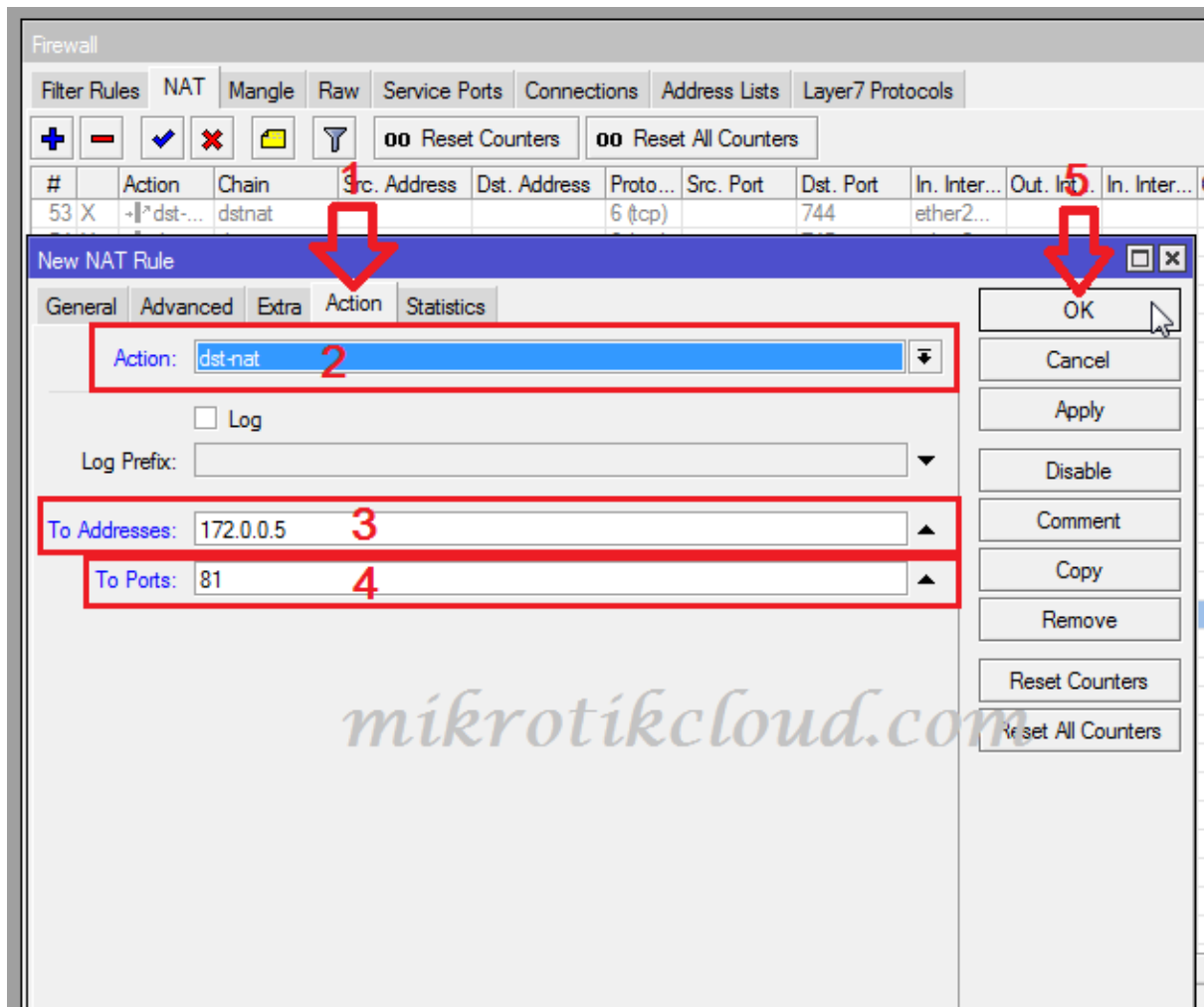


In step 4. Is port 80 of the router at URL 172.0.0.1:81/

5.in interface is for IP in bridge1 to be able to access

\*\*\* ether3hotspot is in bridge1. If your address is in other bridges or other ether, then configure it correctly.

Next, click on the Action button.

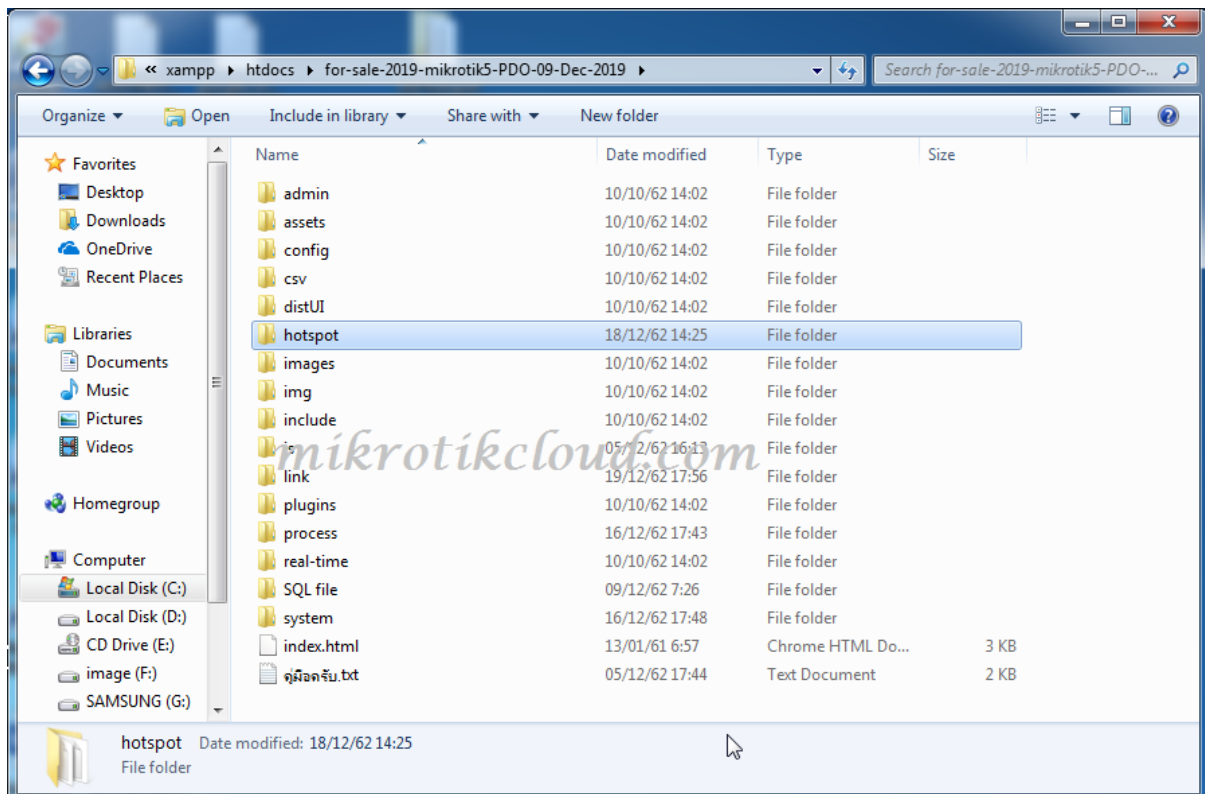


Configure items 3 and 4 according to your IP and port values. When finished, click the OK button.

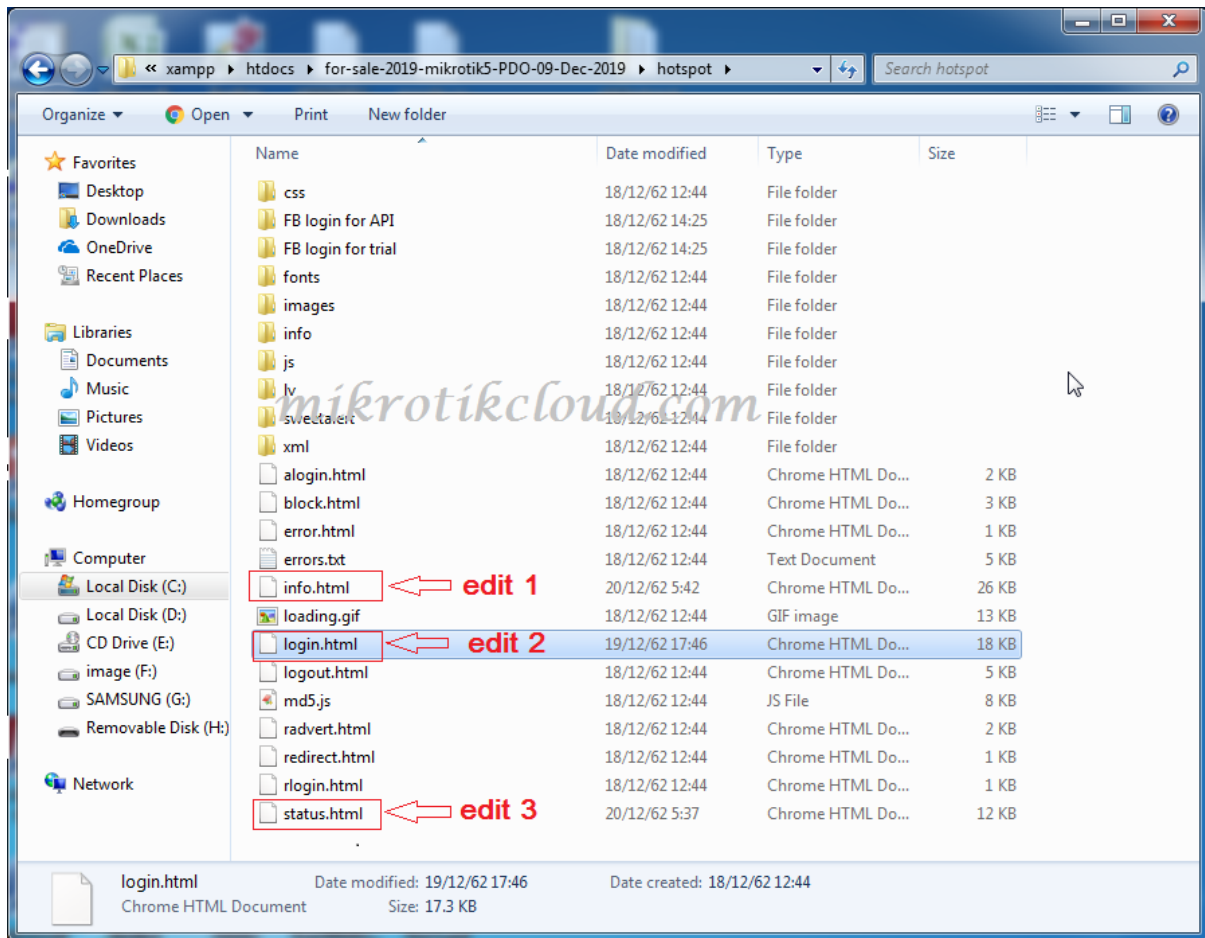
#	Action	Chain	Src. Address	Dst. Address	Proto...	Src. Port	Dst. Port	In. Inter...	Out. Int...	In. Inter...	Out. Int...	Src. Ad...	Dst. Ad...	Bytes	Packets
43	X	-!* dst...			6 (tcp)		734	ether2...						0 B	
44	X	-!* dst...			6 (tcp)		736	ether2...						0 B	
45	X	-!* dst...			6 (tcp)		735	ether2...						0 B	
46	X	-!* dst...			6 (tcp)		737	ether2...						0 B	
47	X	-!* dst...			6 (tcp)		738	ether2...						0 B	
48	X	-!* dst...			6 (tcp)		739	ether2...						0 B	
49	X	-!* dst...			6 (tcp)		740	ether2...						0 B	
50	X	-!* dst...			6 (tcp)		741	ether2...						0 B	
51	X	-!* dst...			6 (tcp)		742	ether2...						0 B	
52	X	-!* dst...			6 (tcp)		743	ether2...						0 B	
53	X	-!* dst...			6 (tcp)		744	ether2...						0 B	
54	X	-!* dst...			6 (tcp)		745	ether2...						0 B	
55	X	-!* dst...			6 (tcp)		746	ether2...						0 B	
56	X	-!* dst...			6 (tcp)		747	ether2...						0 B	
57	X	-!* dst...			6 (tcp)		748	ether2...						0 B	
58	X	-!* dst...			6 (tcp)		749	ether2...						0 B	
59	X	-!* dst...			6 (tcp)		750	ether2...						0 B	
60	X	-!* dst...			6 (tcp)		751	ether2...						0 B	
61	X	-!* dst...			6 (tcp)		752	ether2...						0 B	
... on computer															
62	X	-!* dst...			17 (u...		9	ether2...						0 B	
63	X	-!* dst...			6 (tcp)		702	ether2...						0 B	
64	X	-!* dst...			6 (tcp)		753	ether2...						0 B	
65	X	-!* dst...			6 (tcp)		702	ether2...						0 B	
66	X	-!* dst...			6 (tcp)		701	ether2...						0 B	
67	X	-!* dst...			6 (tcp)		81	bridge1						5.1 KB	1
68	X	-!* dst...			6 (tcp)		442	bridge1						289.2 KB	66
69	X	-!* dst...			6 (tcp)		81	bridge1						0 B	

Completed Redirect from 172.0.0.1:81 => 172.0.0.5:81

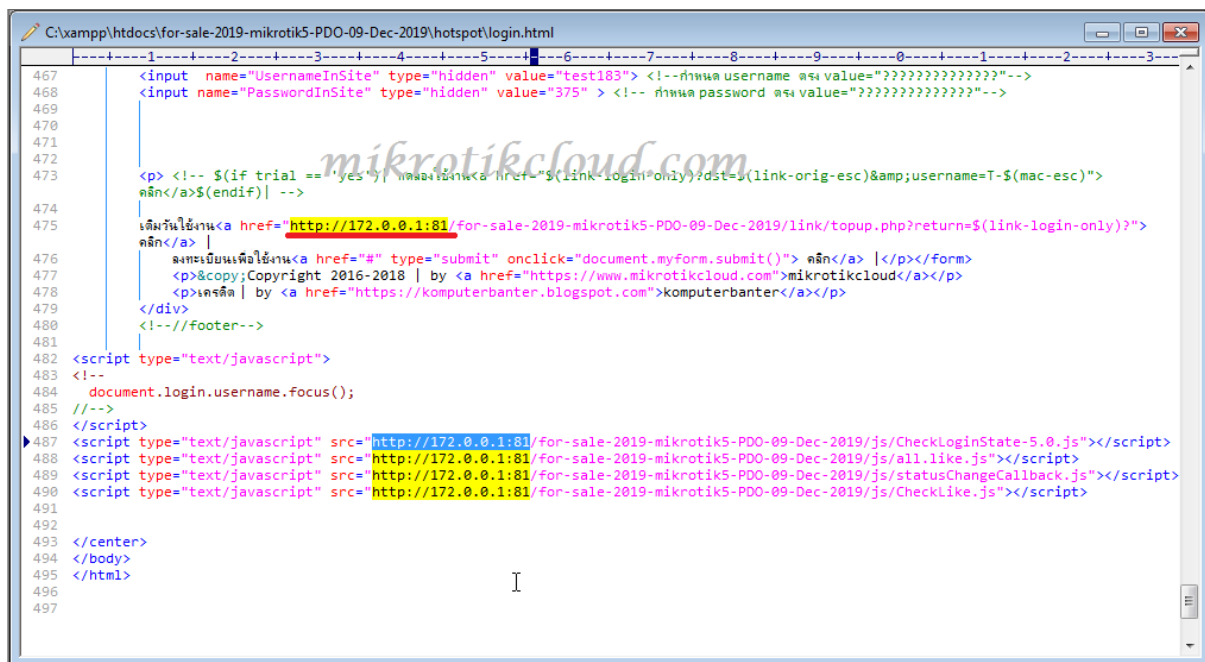
## Customizing files in the Hotspot folder



That you have to fix are 3 files as in the picture above



Modify http://172.0.0.1:81 Change to your IP.





For registering with Thailand ID card Or e-mail.

please change the value = "\*\*\*\*\*" on both lines Which will be explained in the next article

```
453 href="http://172.0.0.1:81/for-sale-2019-mikrotik5-PDO-09-Dec-2019/link/user_info.php?username=&return
454 =$(link-status)"
455 <i class="fa fa-address-card-o"></i> พิมพ์เลขบัตร
456 </a>
457 <a class="btn btn-link-2" href="/info.html">
458 <i class="fa fa-address-card-o"></i> พิมพ์เลขบัตร
459 </a>
460 </div>
461 <!-- footer -->
462 <div class="footer">
463 <form action="http://172.0.0.1:81/for-sale-2019-mikrotik5-PDO-09-Dec-2019/link/register.php?return=$(link-login-only)?"
464 enctype="multipart/form-data" id="myform" name="myform" method="post">
465
466 <!-- set for mikrotikcloud hosting / register by thailand card id -->
467 <input name="UsernameInSite" type="hidden" value="test183"> <!-- กำหนด username ค่า value="?????????????????" -->
468 <input name="PasswordInSite" type="hidden" value="375" > <!-- กำหนด password ค่า value="?????????????????" -->
469
470
471
472
473 <p> <!-- $(if trial == 'yes') | กำหนดค่า href=$(link-login-only)?dst=$(link-orig-esc)&username=T-$(mac-esc)"
คลิก</a>$(endif) | -->
474
475 <p>คลิก</a> |
476 <p>คลิก</a> |
477 <p>คลิก</a> |
478 <p>คลิก</a> |
479 </div>
480 <!-- footer -->
481
482 <script type="text/javascript">
```

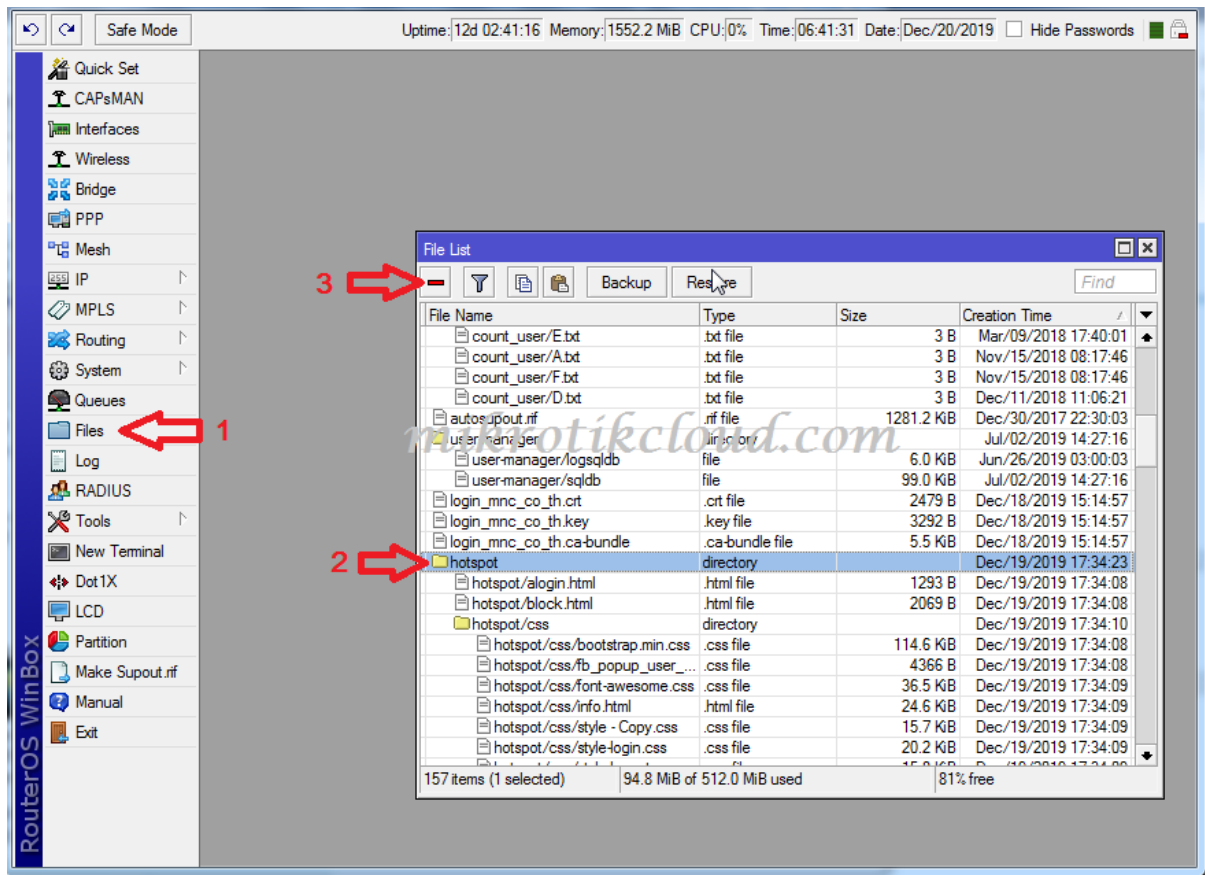
```
48 <script type="text/javascript">
49
50 if ('$(trial)' == 'no'){
51
52
53
54
55 //***** For API *****/
56 // กำหนด mikrotikcloud hosting // trial close //
57
58 var app_id='221693415066498'; //set FB your App ID here//.....1
59 var pageId='178091666281628'; //set FB your PAGE ID //.....2
60 var urlPost='https://mikrotikcloud.com/'; //set Post url web site OR facebook Page .....3
61 var user_ip=$(ip);
62 | var count=0;
63 function LoginState() {
64 $.ajax({
65 url:"http://172.0.0.1:81/for-sale-2019-mikrotik5-PDO-09-Dec-2019/link/ajax-walled-2.12.php", //file ajax-walled.php
66 dataType: "json",
67 data: { user_ip: ip,
68 app_id: app_id,
69 step: 1
70 },
71 type: 'POST',
72 success: function(data) {
73
74
75
76 if(data.status==0){
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
```

Login with Facebook. Edit as yours.

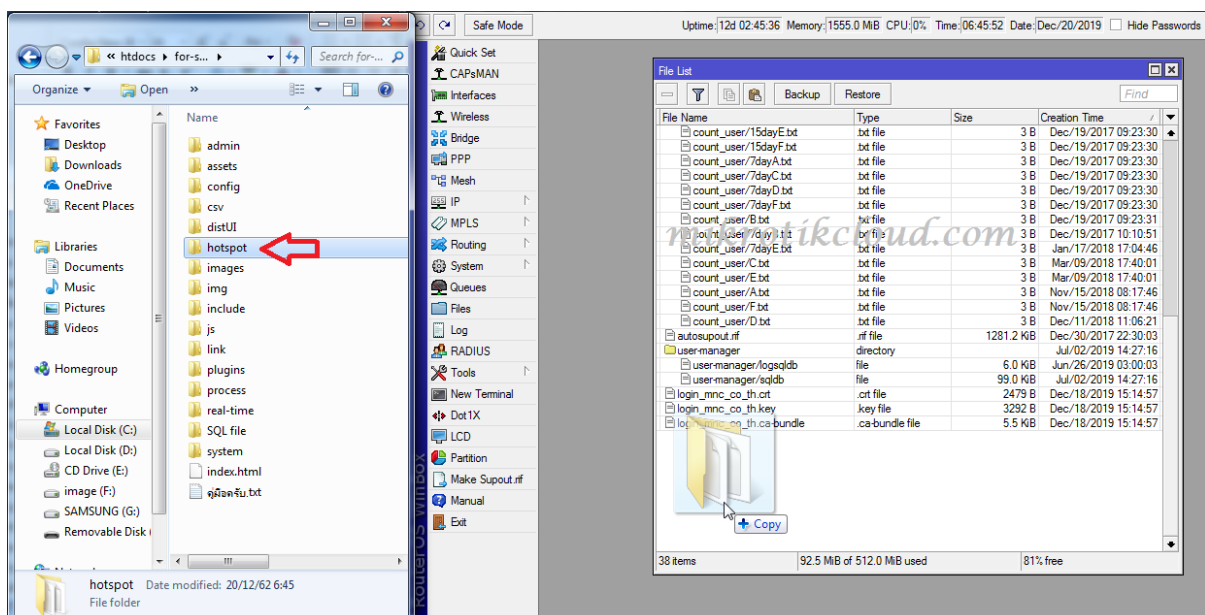
\*\*\* The URL used must be https only.

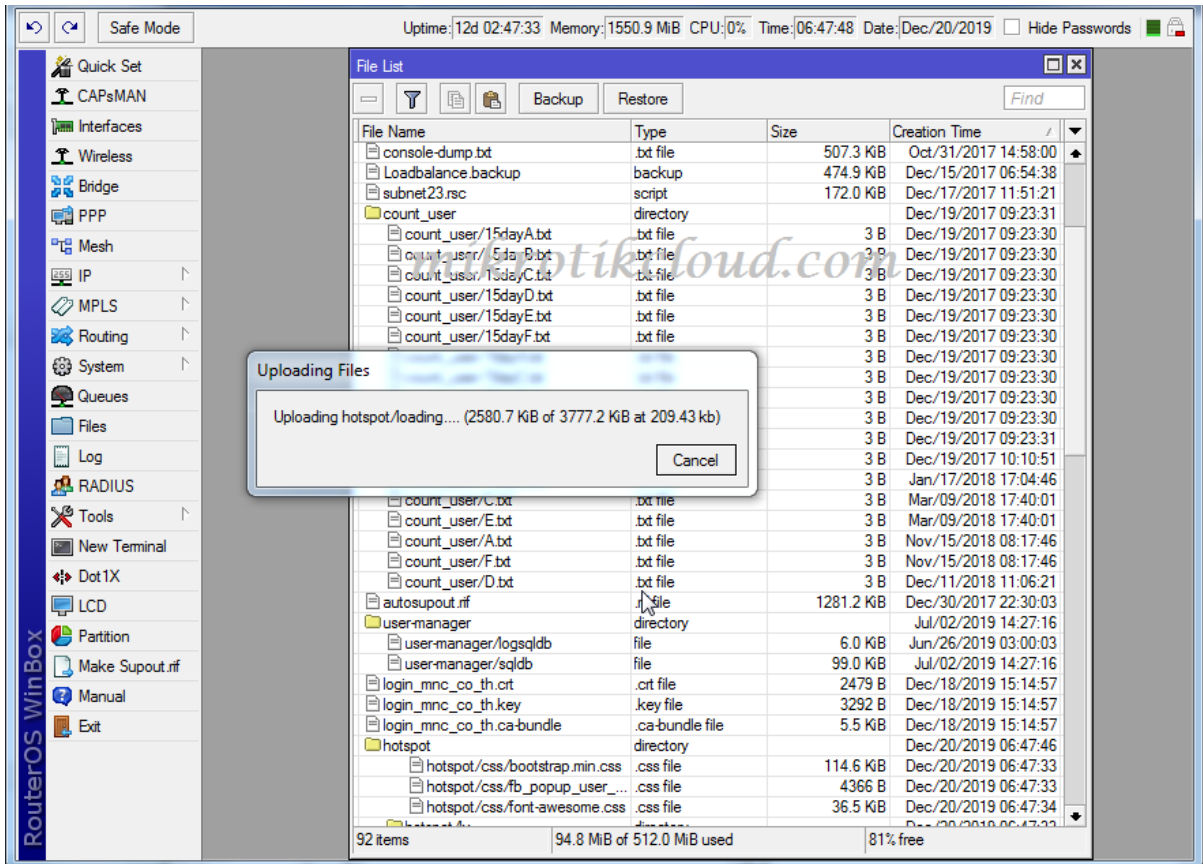
When finished editing, enter winbox.

Delete the old hotspot folder.

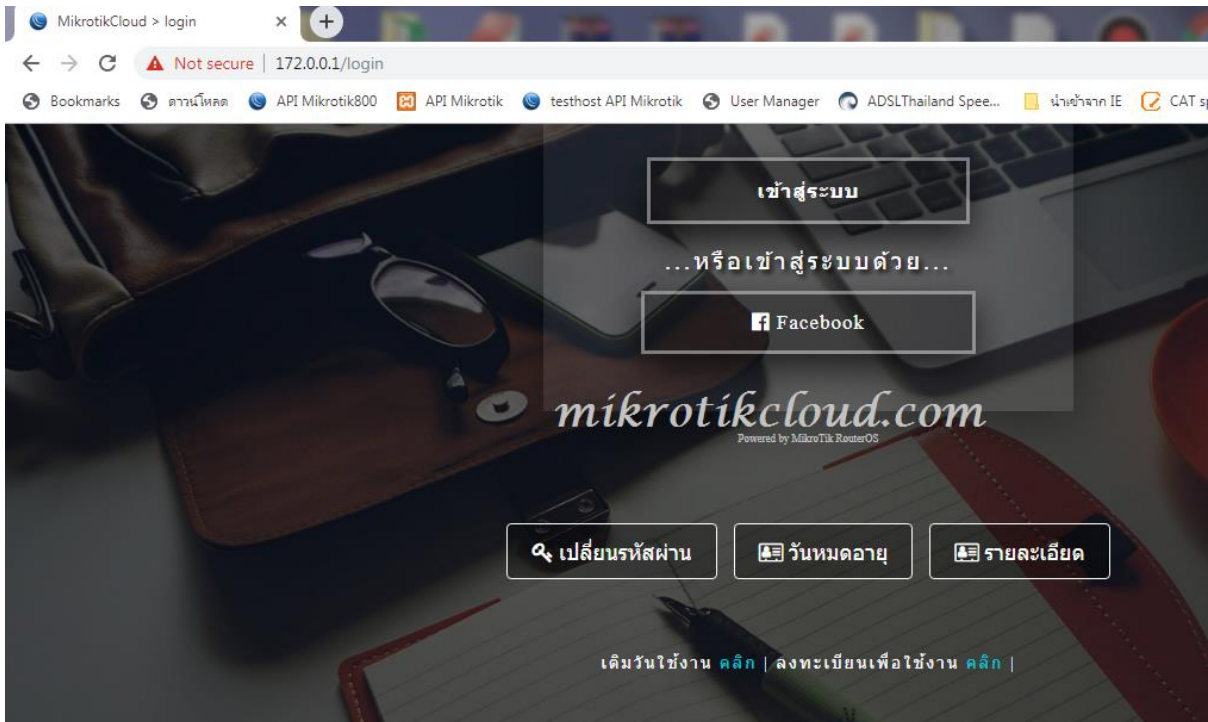


Drag the edited hotspot folder into

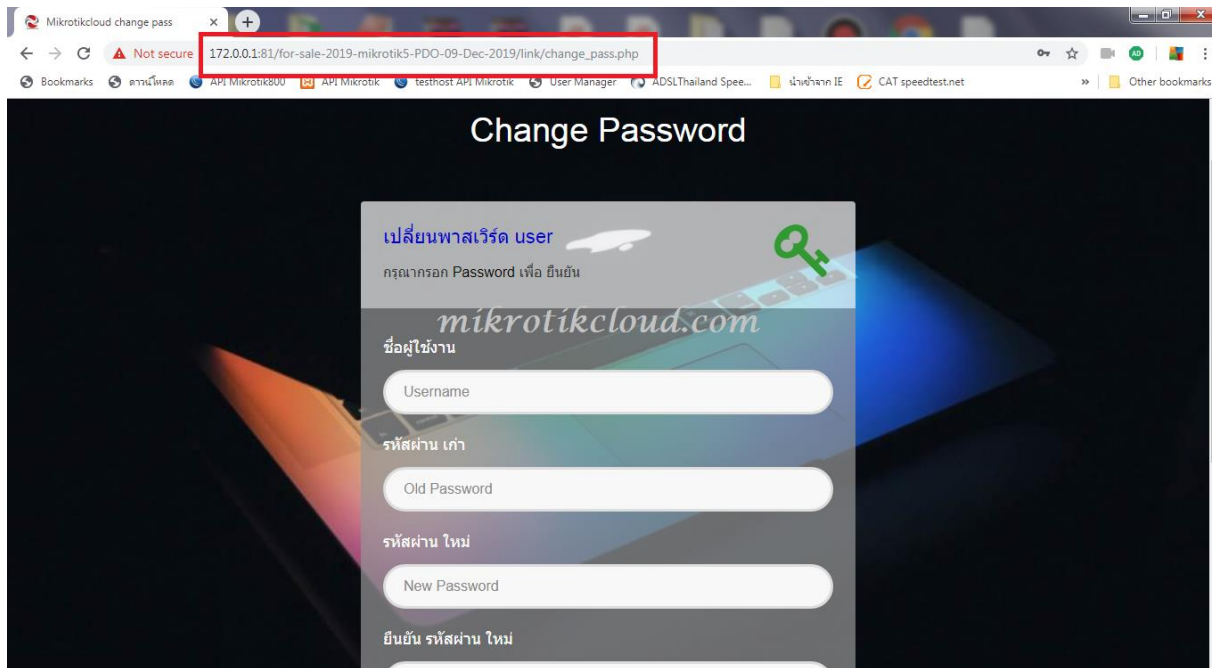




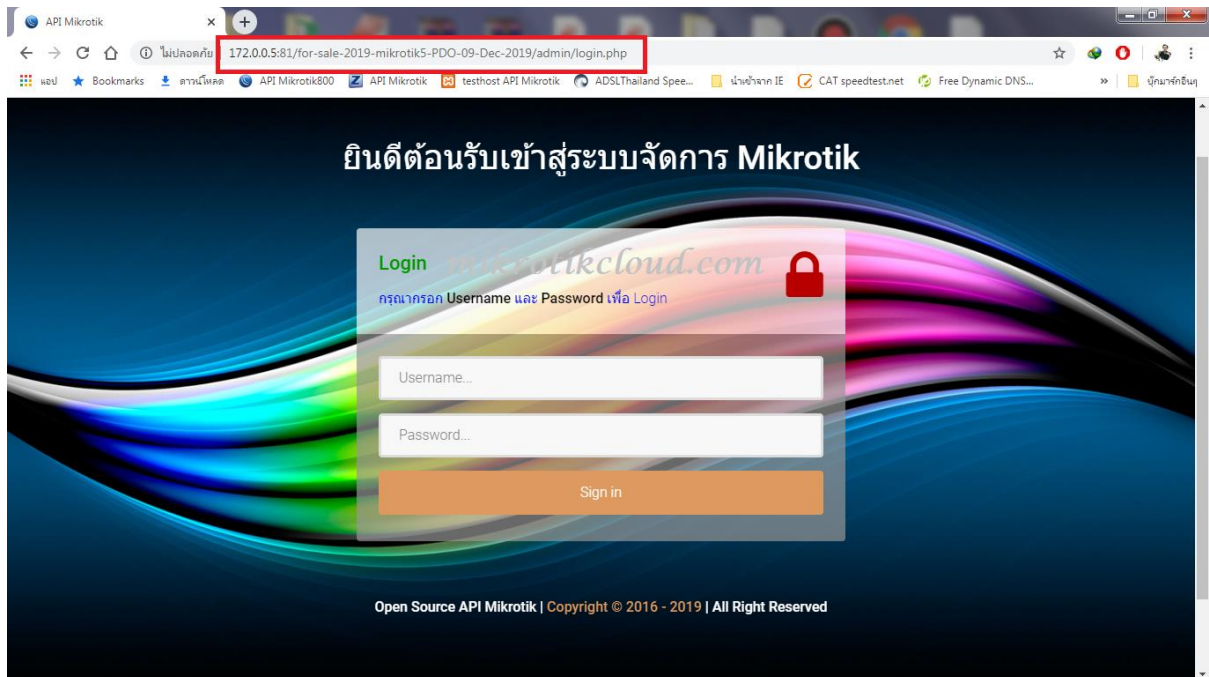
When accessing the hotspot login page with other devices

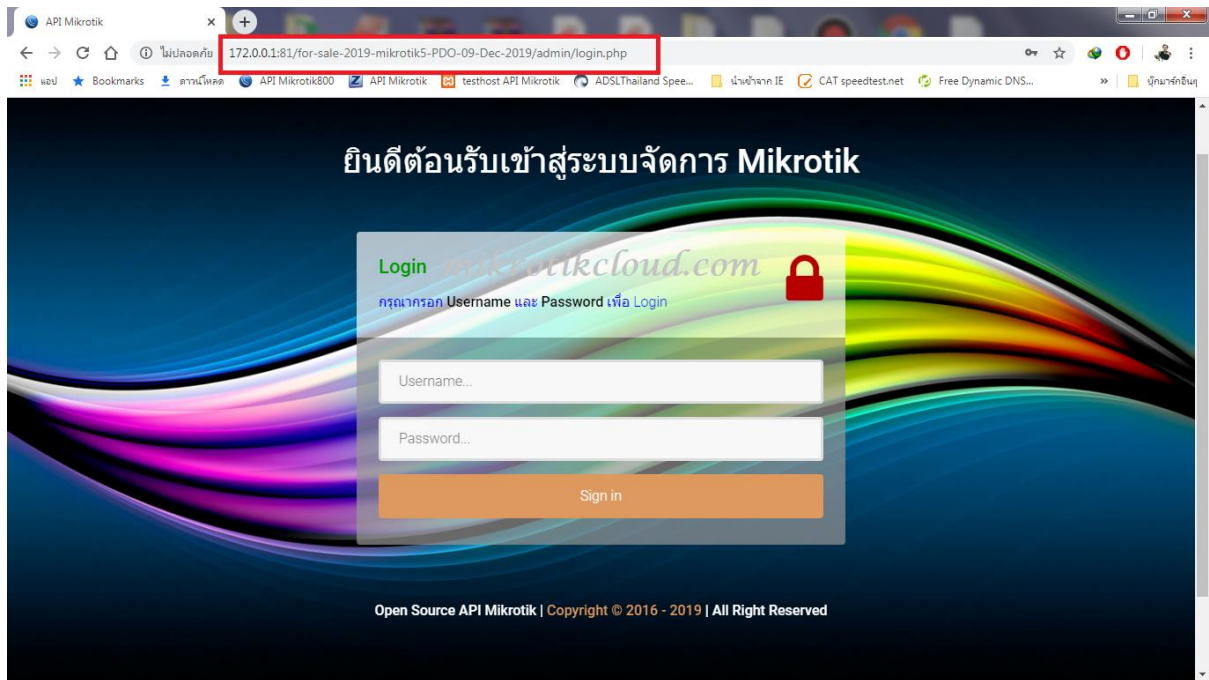


Can go to change password page, sign up page ,Top-up Page, check the expiration date page Without login



Can be managed at the API on both 2 ip

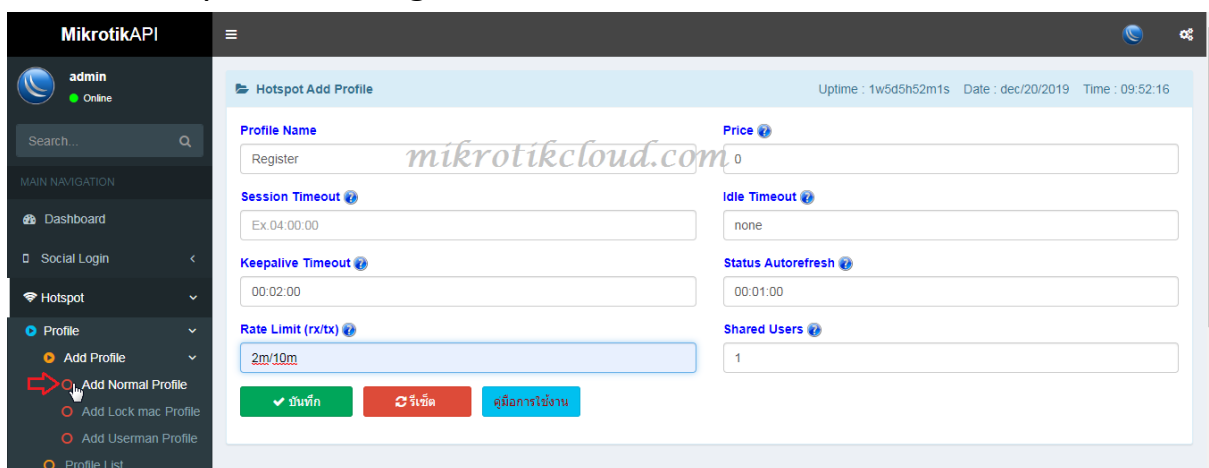




## Create a registration system for users on Hotspot.

With the following steps

### 1. Create a profile to register.



Go to the Hotspot Add Profile page. Configure as needed. And click the save button The sample is named

Register (can name as desired)

## 2. Create User in the profile.

The image shows a screenshot of the MikrotikAPI web interface. The main content area is titled "Hotspot Add User - สร้างผู้ดูแล" and includes a status bar with "Uptime : 1w5d5h54m57s", "Date : dec/20/2019", and "Time : 09:55:12". The form contains several fields: "เลือก Servers" (selected: hotspot1), "เลือก Package" (selected: Register), "Username" (register), "Password" (12345), "Limit-uptime" (1h), "เลขวง IP Address" (Ex: 172.0.0.3), "เลขวง MAC Address" (Ex: 1A:2A:3A:4A:5A:6A), "ID Card" (thailand id card), and "Comment - เพิ่มเติม" (สูงสุด 30ตัวอักษร). At the bottom, there are "Save", "Reset", and "ย้อนหน้าการตั้งค่า" buttons. A watermark "mikrotikcloud.com" is visible across the form.

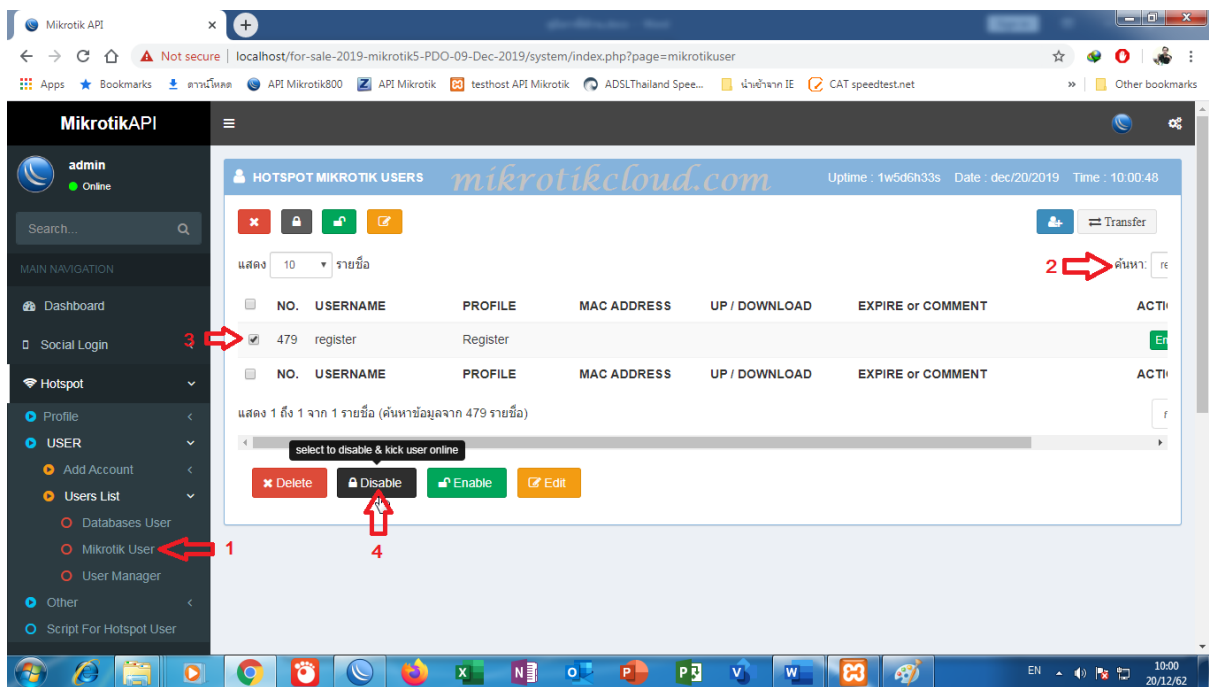
Go to the Hotspot Add User page. Set the profile to "Register".

Limit-uptime. I set it to be 1h, which is to be used for 1 hour within 1 day.

\*\*\* We have to set the script on the Hotspot Add Script For Expire User page by specifying the expiration date of the user in the profile named Register = 1d.

When finished setting, save.

### 3. Disable user

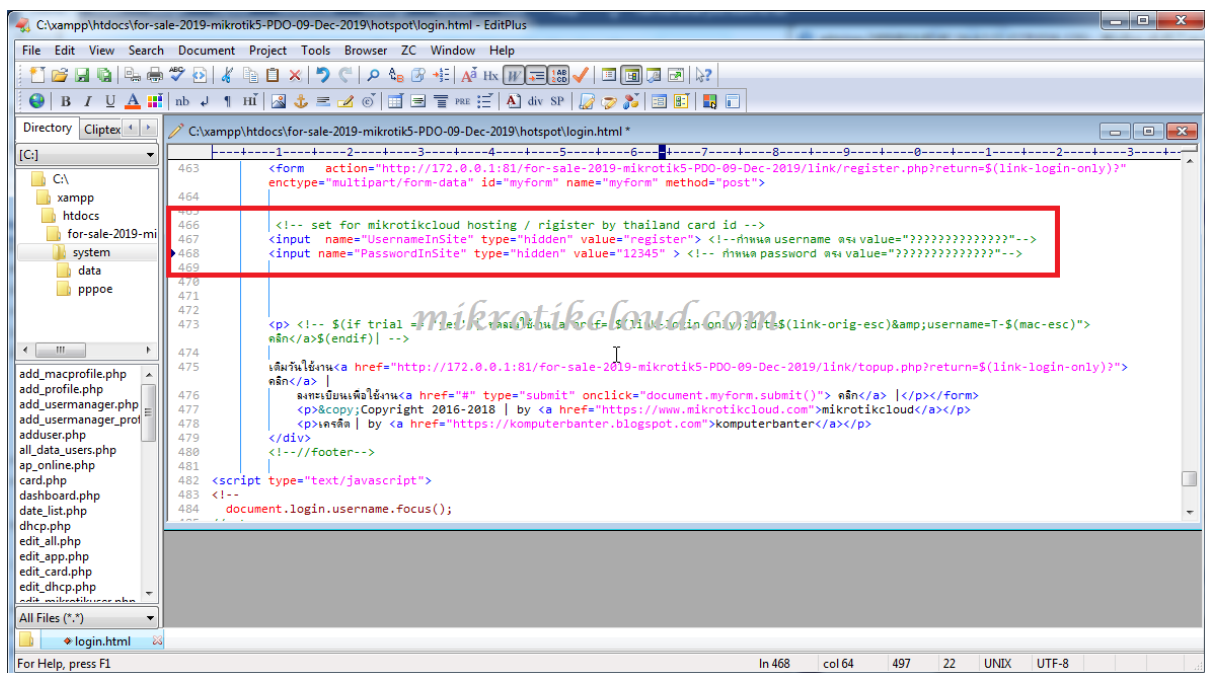


1. Go to the Hotspot Mikrotik Users page.
2. Type a name to search
3. Click on the checkbox.
4. Click on the Disable button.

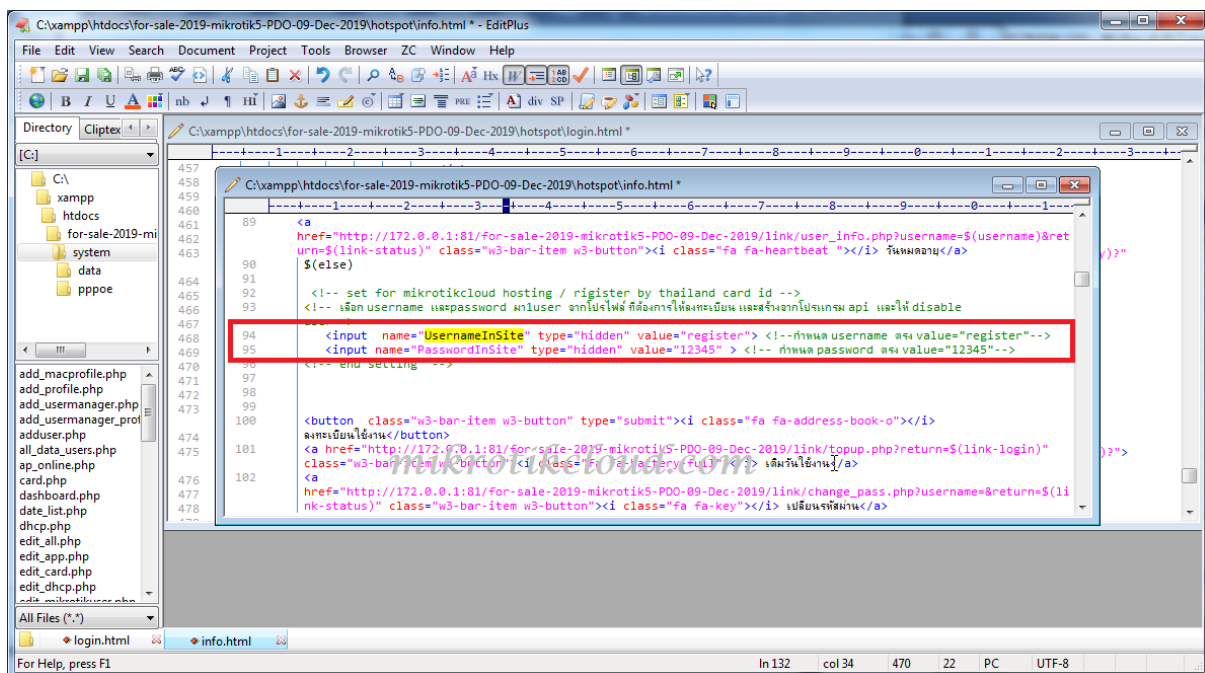
When the user has deactivated Considered complete in this step

**\*\*\* Disable because of preventing this user from logging in to the system.**

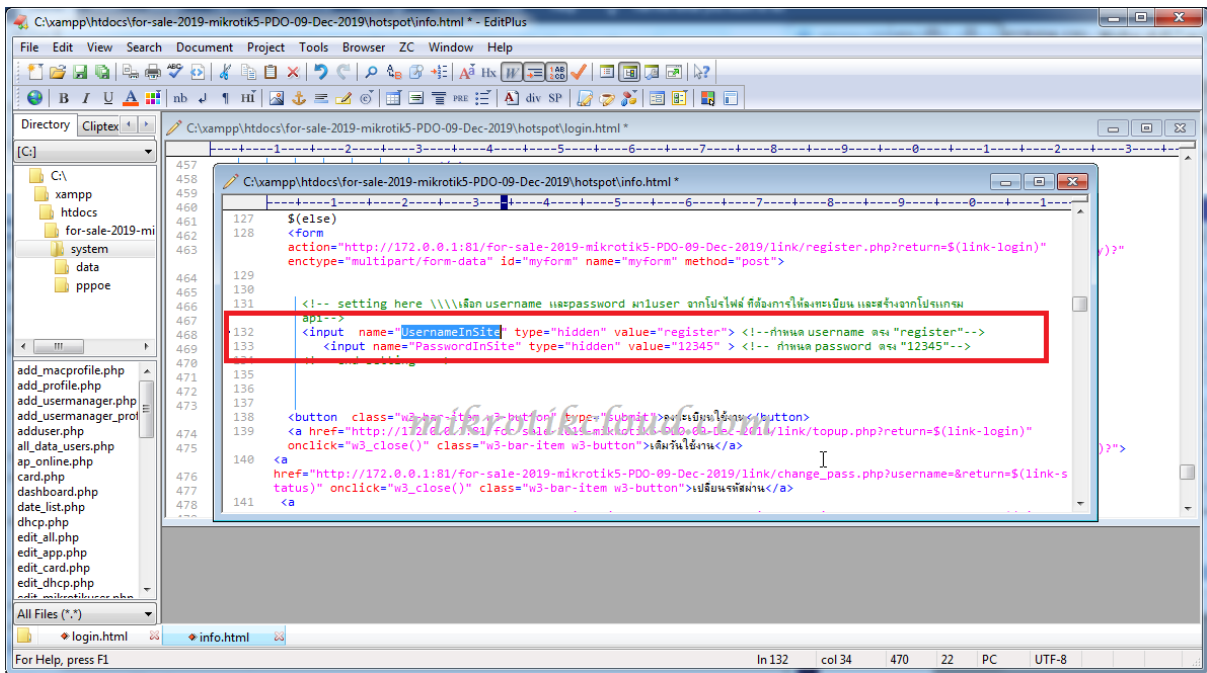
In the hotspot folder, edit the login.html and info.html files.



In login.html, edit value = "register" and value = "12345".

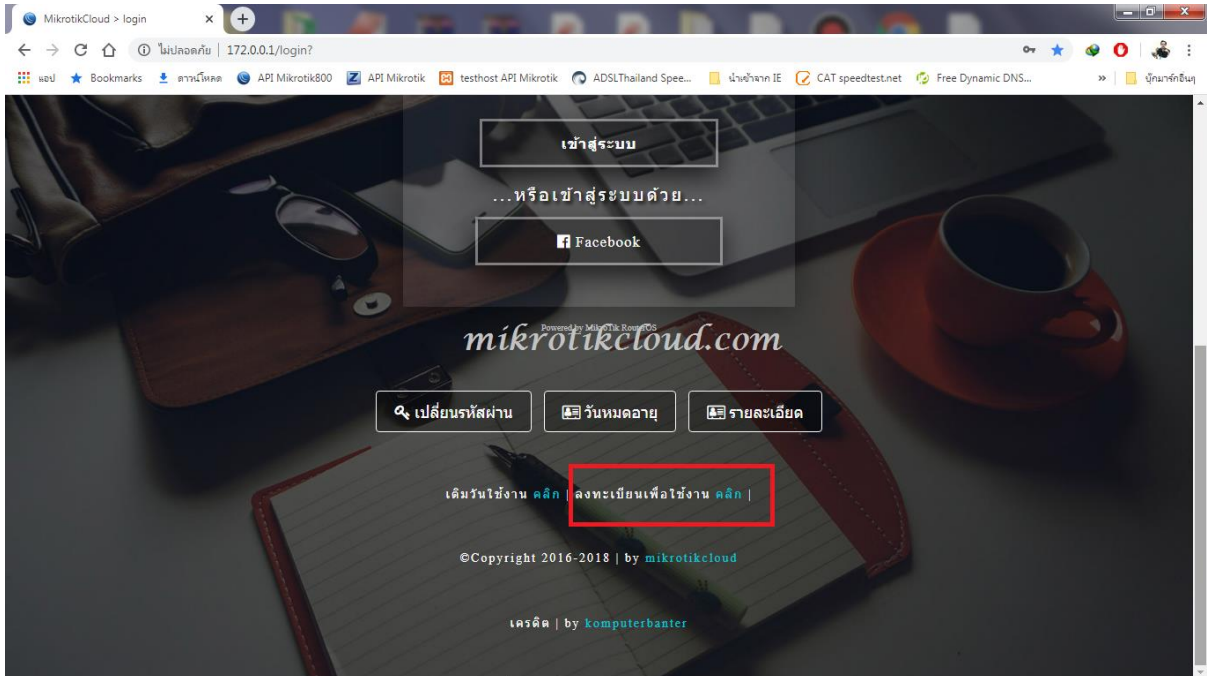




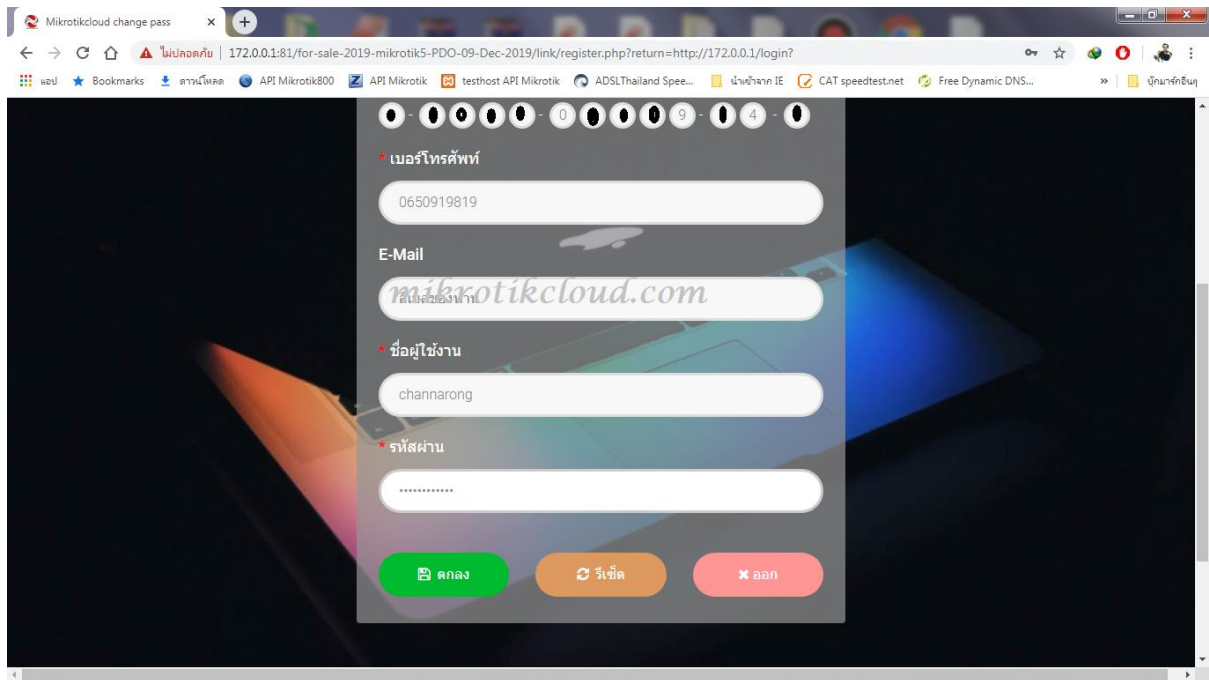


In info.html, edit lines 94-95 and 132-133.

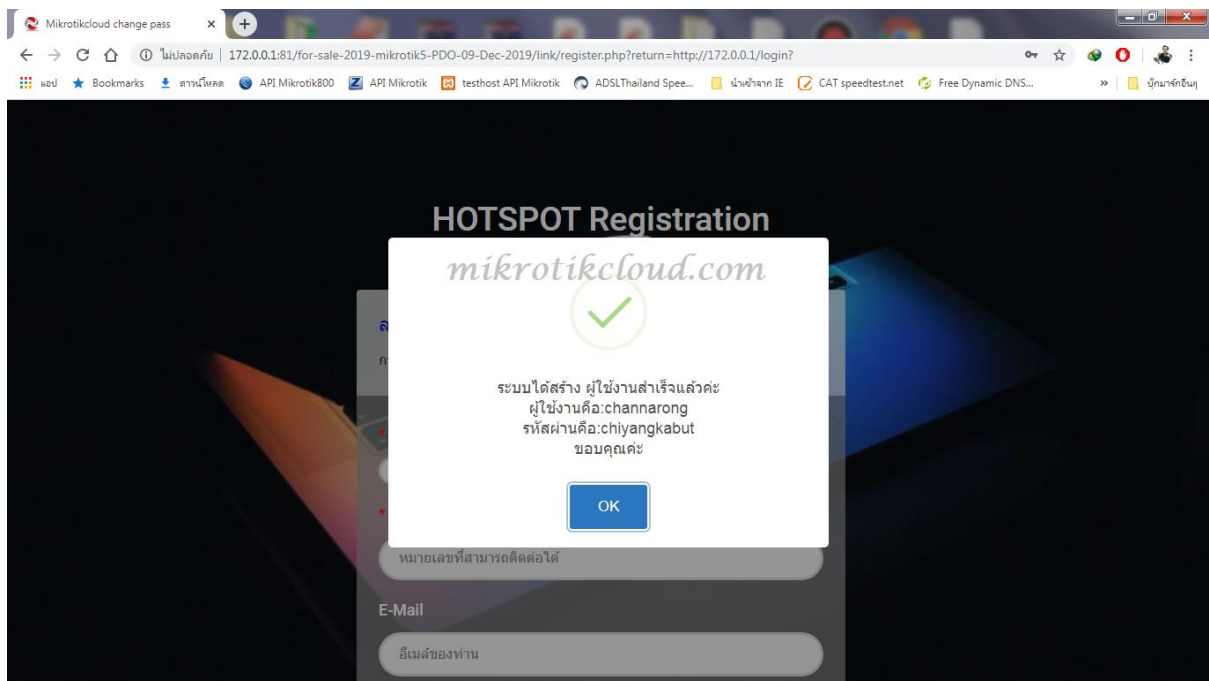
When finished editing Import the files into the winbox files.  
Complete the configuration process.



Test, go to login page, click on register

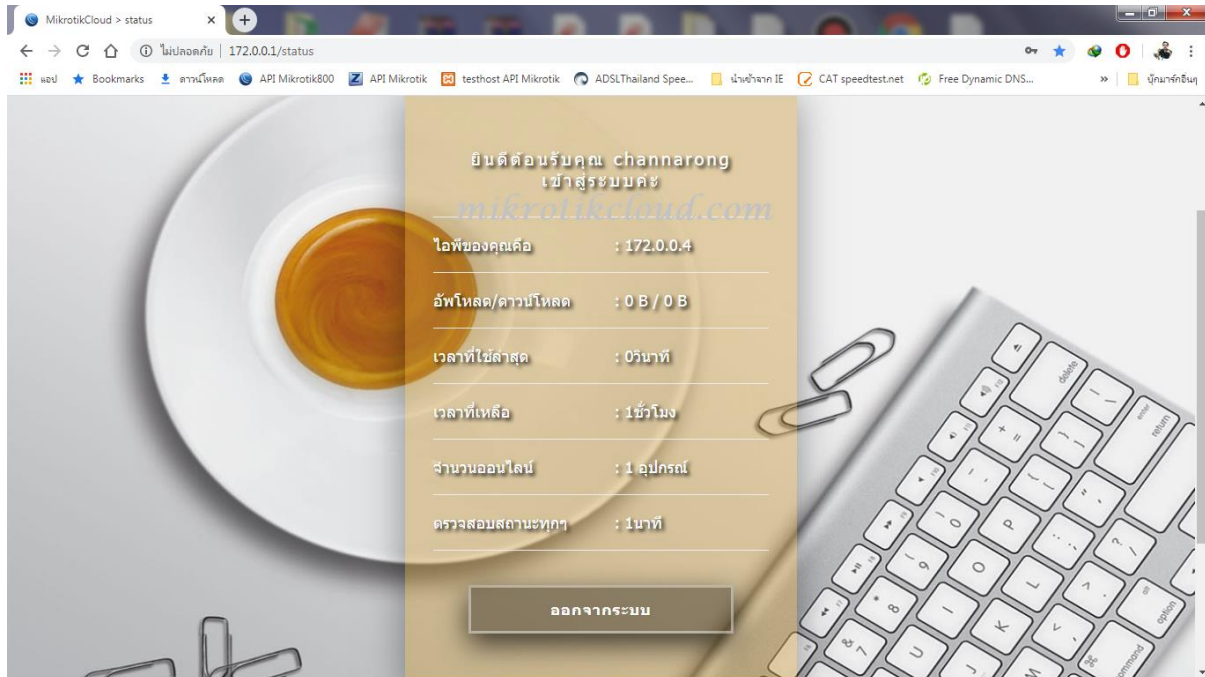


Set the correct value and click OK.

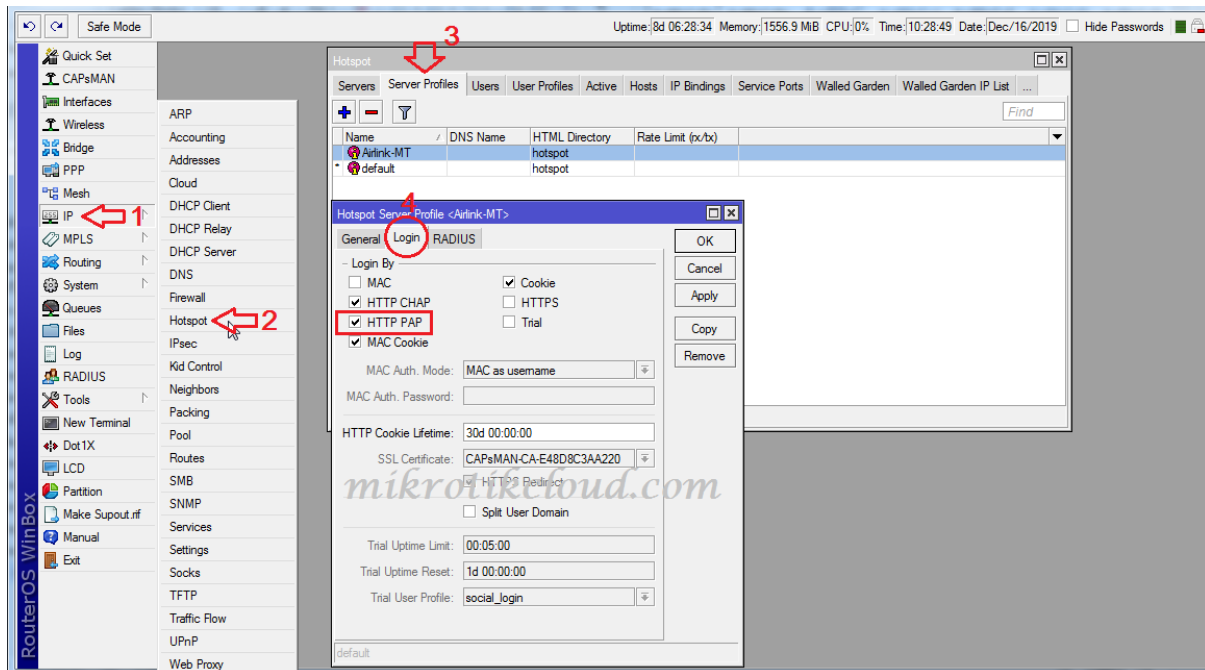


When registration is completed, click the OK button.

Will log in automatically to page 172.0.0.1/status

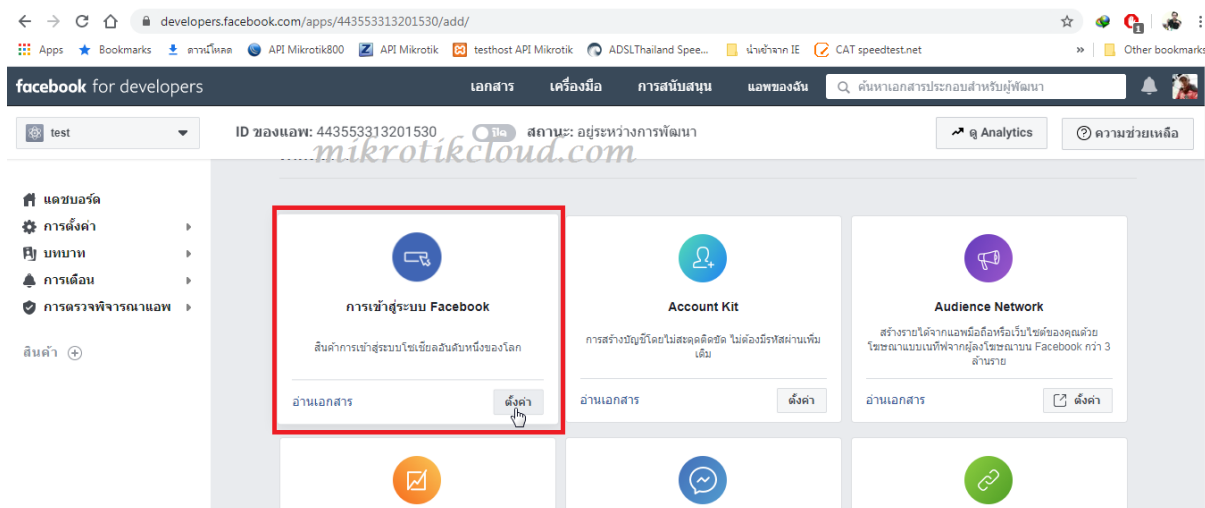
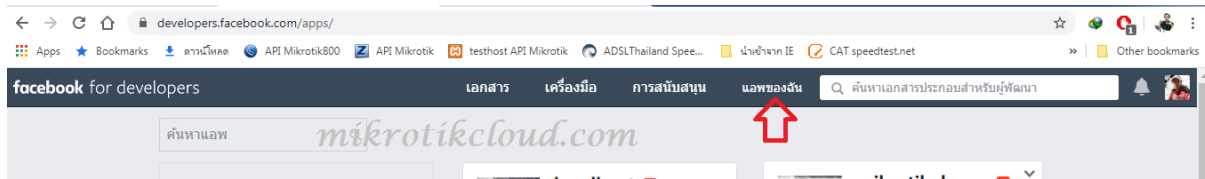


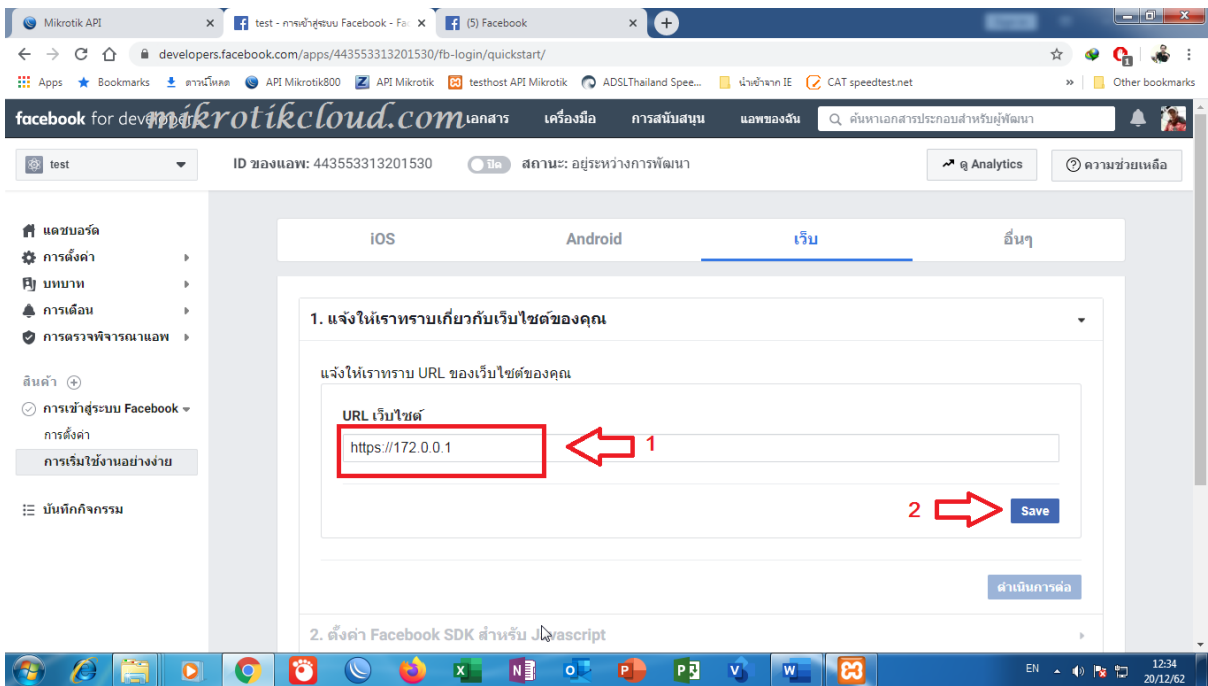
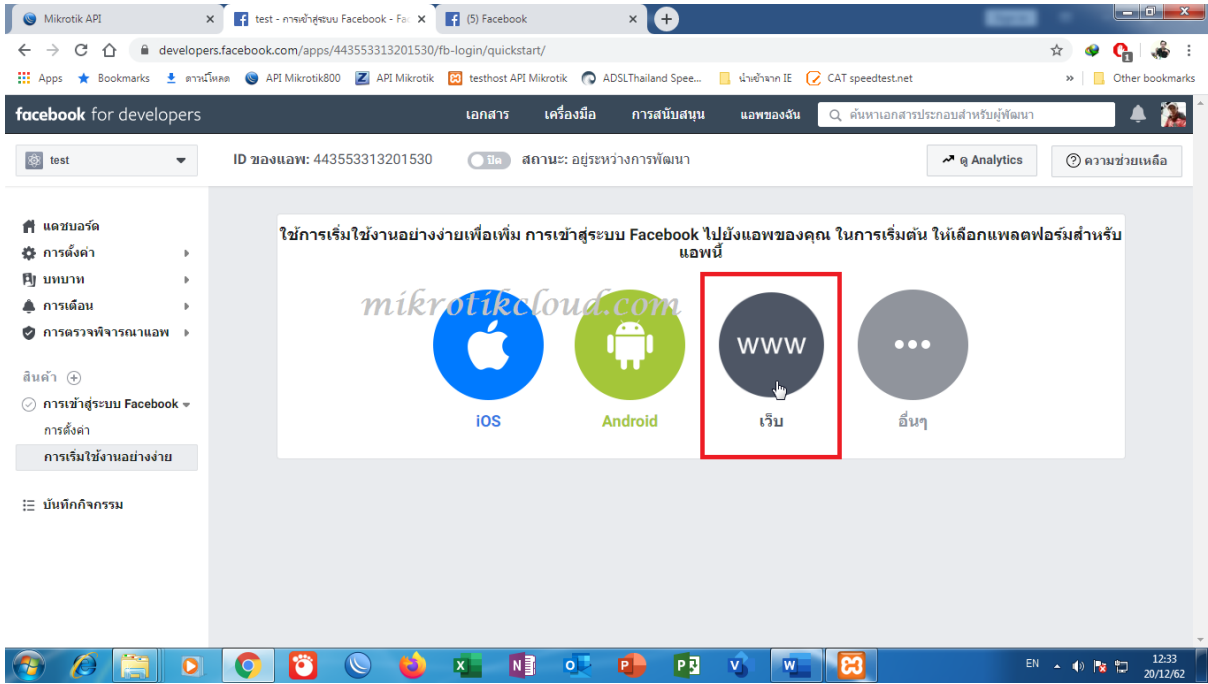
If the user is not logged in, you will need to go to winbox settings to enable HTTP PAP.



# Set up login with Facebook.

Go to <https://developers.facebook.com/apps/>





Must be HTTPS only

Mikrotik API x test x MIKROTIK CLOUD x +

developers.facebook.com/apps/443553313201530/settings/basic/

facebook for developers

test ID ของแพล: 443553313201530 สถานะ: อยู่ระหว่างการพัฒนา

Analytics ความช่วยเหลือ

แดชบอร์ด การตั้งค่า ข้อมูลพื้นฐาน

ข้อมูลพื้นฐาน

ชื่อที่แสดง: test

อีเมลติดต่อ: p0610624569@gmail.com

URL นโยบายความเป็นส่วนตัว: https://mikrotikcloud.com/

ไอคอนแอป (1024 x 1024)

หมวดหมู่: เลือกหมวดหมู่

ค้นหาข้อมูลเพิ่มเติมเกี่ยวกับหมวดหมู่แอปที่นี่

บันทึกการเปลี่ยนแปลง

Mikrotik API x test - การเข้าสู่ระบบ Facebook - Fa x +

developers.facebook.com/apps/443553313201530/fb-login/settings/

facebook for developers mikrotikcloud.com

test ID ของแพล: 443553313201530 สถานะ: อยู่ระหว่างการพัฒนา

Analytics ความช่วยเหลือ

แดชบอร์ด การตั้งค่า การตรวจสอบการแจ้งเตือน การตรวจสอบการแจ้งเตือน

การตั้งค่า OAuth ของไคลเอ็นต์

การเข้าสู่ระบบ OAuth ของไคลเอ็นต์

การเข้าสู่ระบบ OAuth ของเว็บ

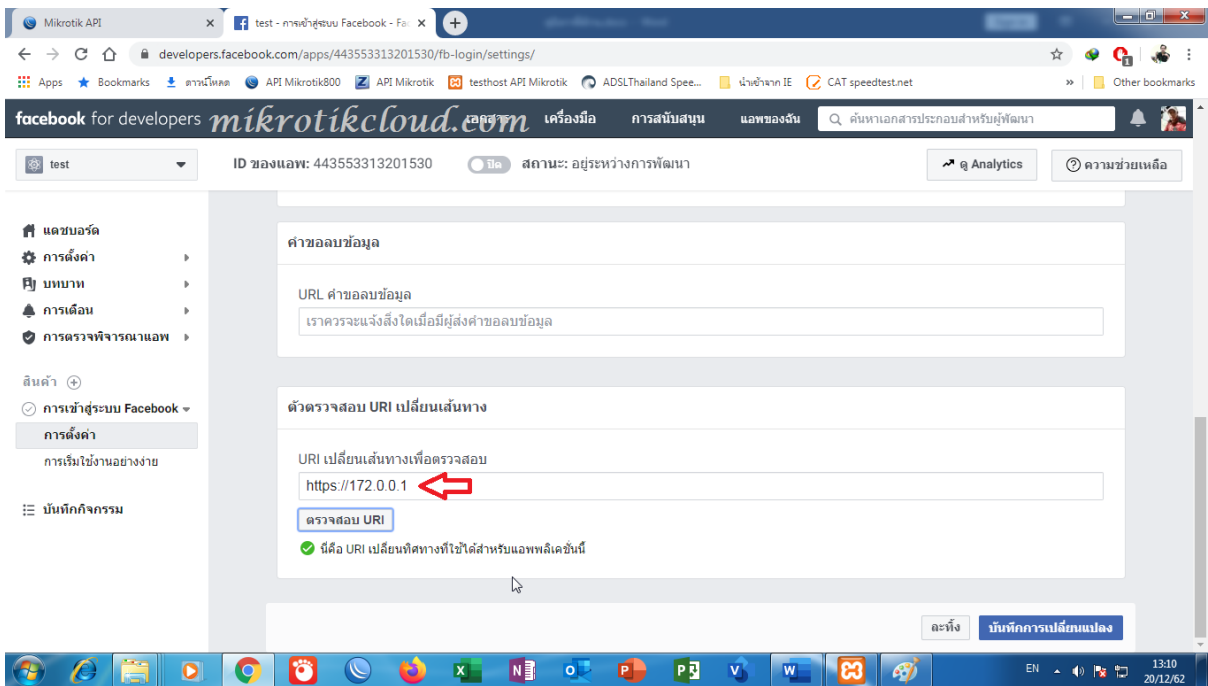
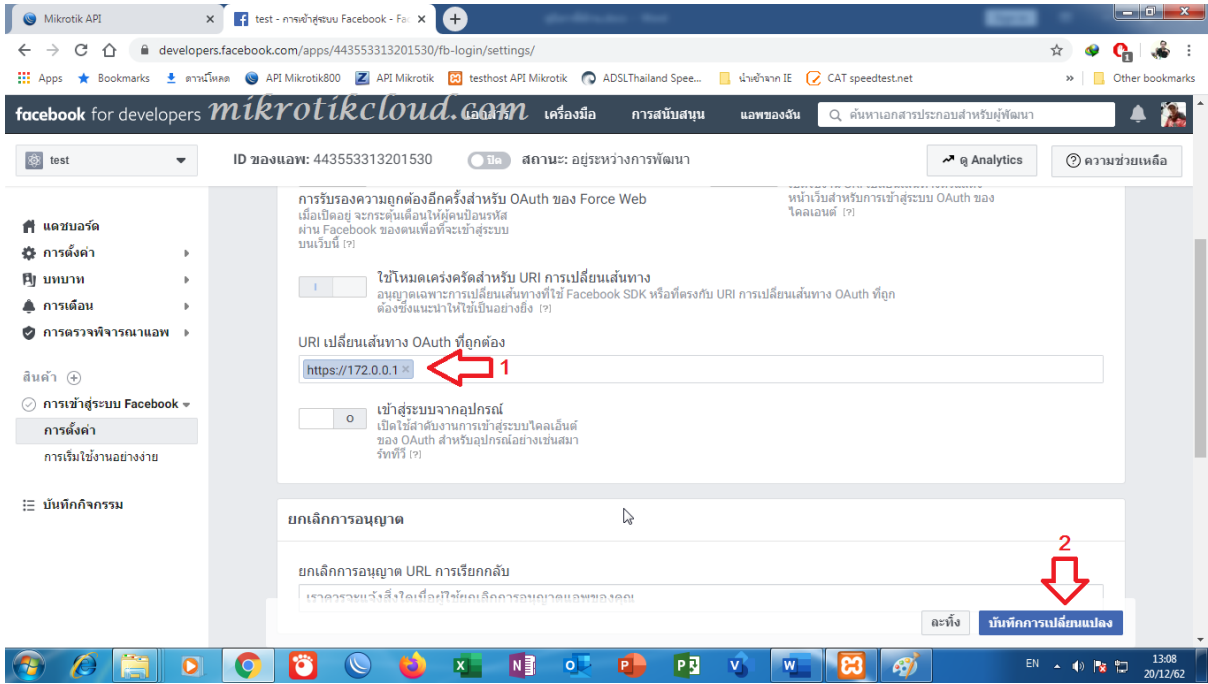
บังคับใช้ HTTPS

การเข้าสู่ระบบ OAuth ของเบราว์เซอร์แบบฝัง

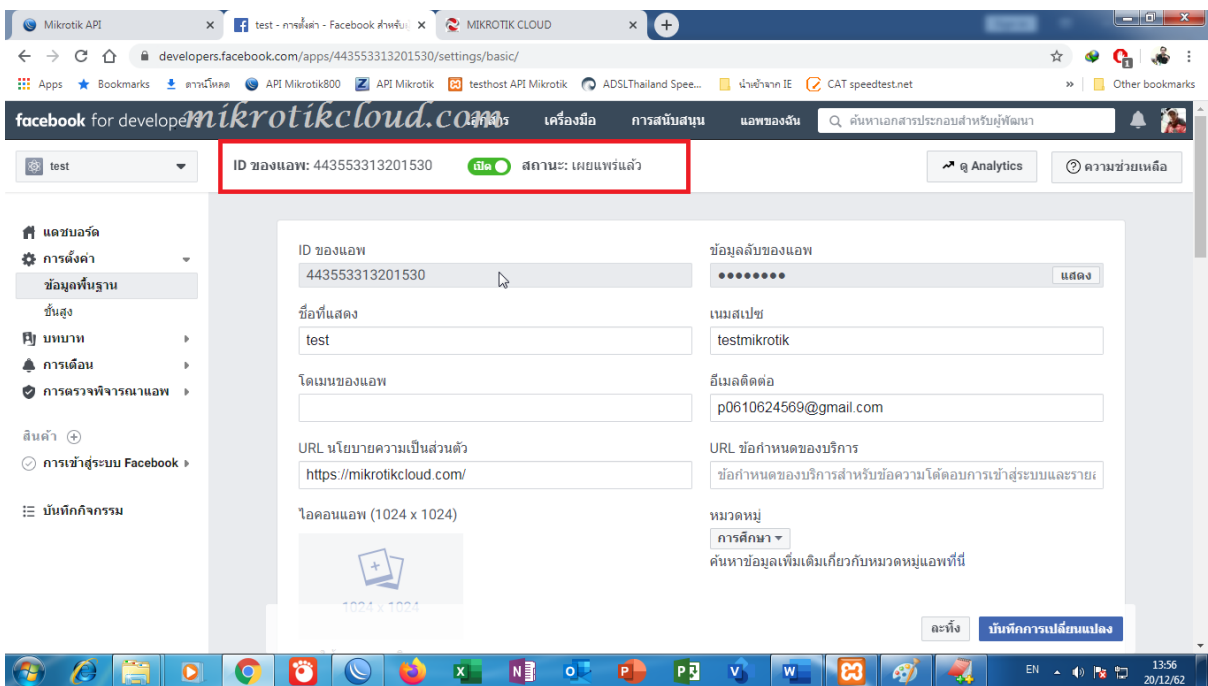
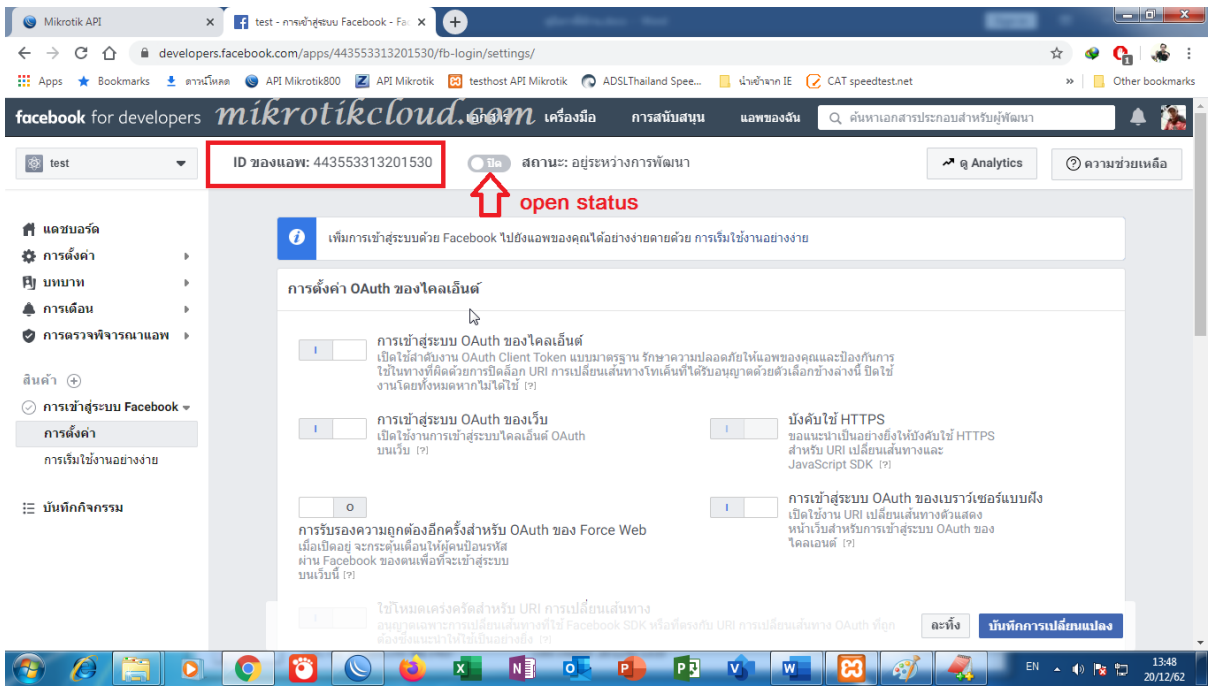
ใช้โหมดเครดิครีสำหรับ URI การเปลี่ยนเส้นทาง

URL เปลี่ยนเส้นทาง OAuth ที่ถูกต้อง

บันทึกการเปลี่ยนแปลง



Check URL



App ID to enter values in hotspot login and API



## Facebook login By API

For social login that closes trial and use with api with control bypass web

The advantage is

1.user can not use on facebook If not pressing the facebook login button

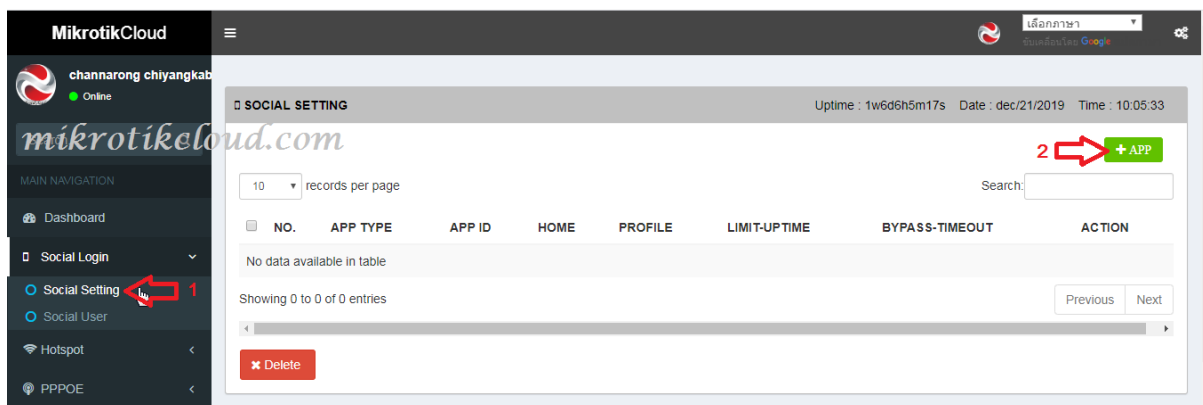
2. Control the time to bypass facebook website.

3. Keep a list of available users.

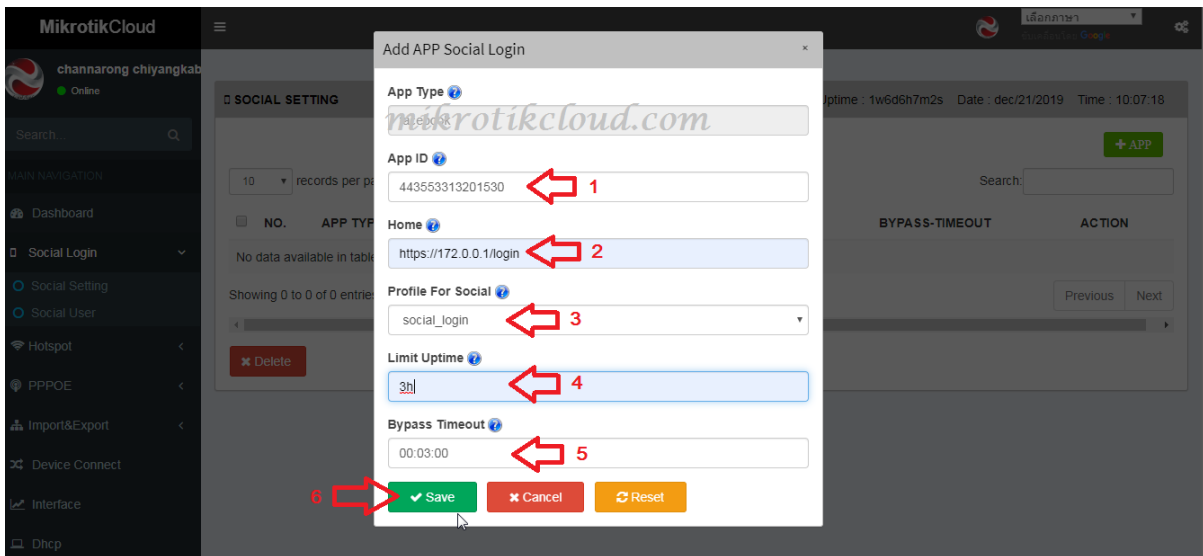
The disadvantage is

There was a delay in connecting to facebook api It may take 5-10 seconds after the api server is bypass the web.

\*\*\* But you can bypass the facebook website to fix the time delay issue.



Enter the APP settings on the social setting page. Click the + APP button.



1. App id obtained from facebook

2. Hotspot login page

3. profile for user \*\*\* You must specify a Script For Expire User.

Or create a script to reset the uptime every day by copying the script below to the new terminal in winbox

```
/system scheduler
```

```
add interval=1d name=reset_social on-event=" {\r\
```

```
\n:local setprof \"social_login\";###set here\r\
```

```
\n:global prof;\r\
```

```
\n :foreach stu in [ /ip hotspot user find where  
disabled=no(profile=\"\${s}\
```

```
etprof\" )] do={\r\
```

```
\n:local namestart [/ip hotspot user get \${stu name};\r\
```

```
\n:set \${s}prof [/ip hotspot user get \${stu profile};\r\
```

```
\n[ /ip hotspot user reset-counters \${stu}];\r\
```

```
\n:log warning \"Reset-count user \${namestart} profile \${prof} Successfully\
```

```
\";\r\
```

```
\n}}\" policy=\
```

```
ftp,reboot,read,write,policy,test,password,sniff,sensitive,romon \
```

```
start-date=Dec/20/2019 start-time=00:00:00
```

```
/
```

The screenshot shows the 'Schedule' dialog box in WinBox. The task name is 'reset\_social', starting on 'Mar/23/2018' at '00:00:00' with a '1d 00:00:00' interval. The owner is 'admin'. The policy section has several options checked: ftp, read, policy, password, sensitive, reboot, write, test, sniff, and romon. The 'dude' option is unchecked. The 'Run Count' is set to 1, and the 'Next Run' is 'Dec/23/2019'. The 'On Event' script is as follows:

```
{
:local setprof "social_login";
:global prof;
foreach stu in [ /ip hotspot user find where disabled=no
(profile="setprof" ) ] do={
:local namestart [ /ip hotspot user get $stu name];
:set $prof [ /ip hotspot user get $stu profile];
[ /ip hotspot user reset-counters $stu];
:log warning "Reset-count user $namestart profile $prof Successfully";
}}
```

A red arrow points to the 'social\_login' string in the script. The dialog box has standard buttons (OK, Cancel, Apply, Disable, Comment, Copy, Remove) and an 'enabled' status indicator at the bottom.

Change social\_login to the profile name that the user uses.

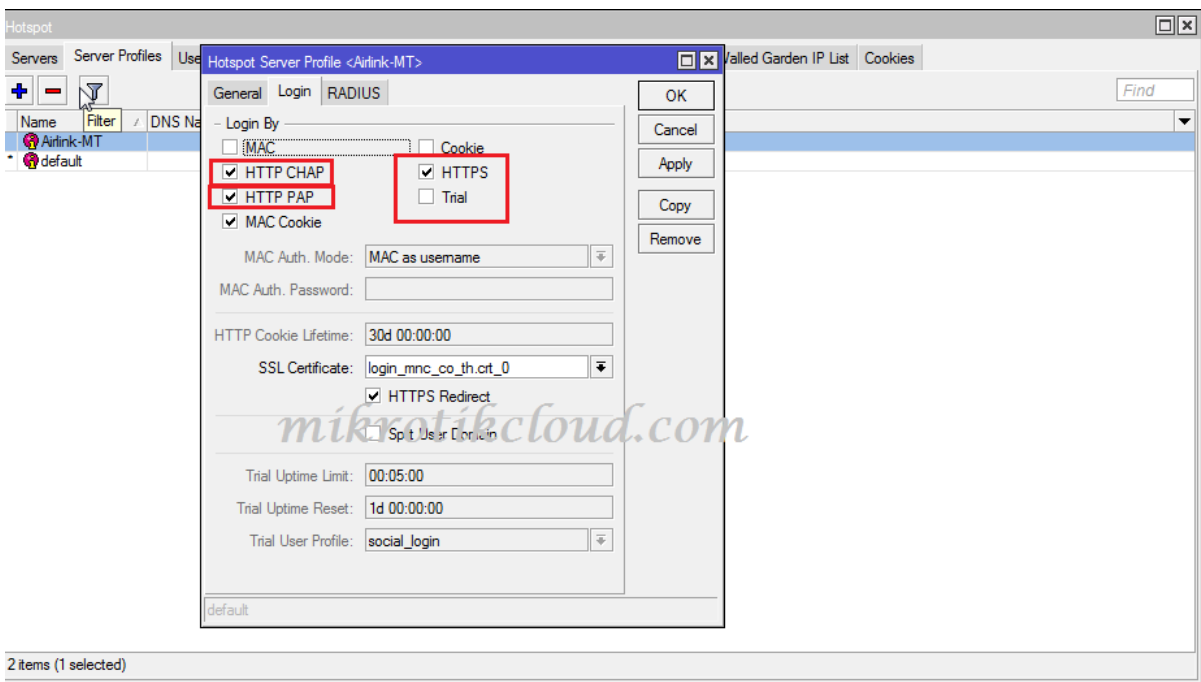
4. Set the user time

5. Schedule bypass facebook to log in.



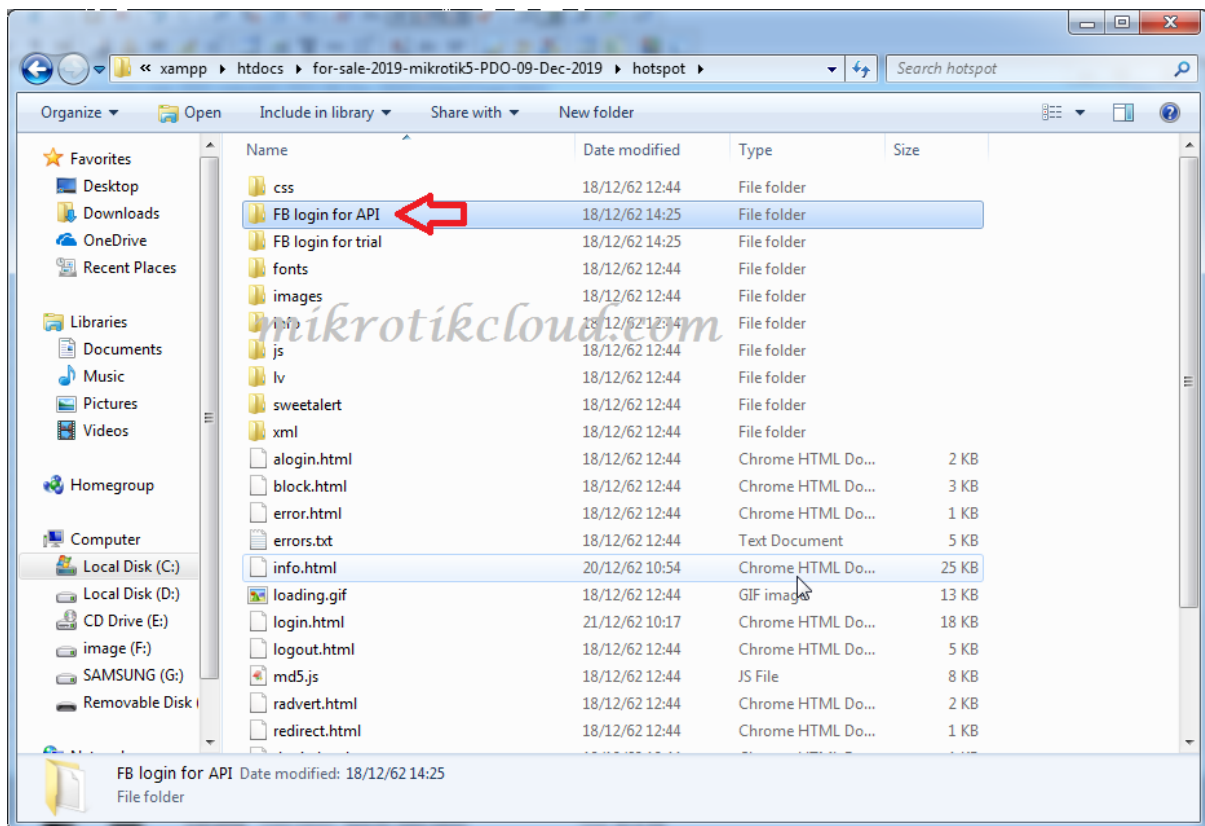
Complete for settings in the API.

For settings in winbox, I would like to give an example only for the hotspot server profile page.

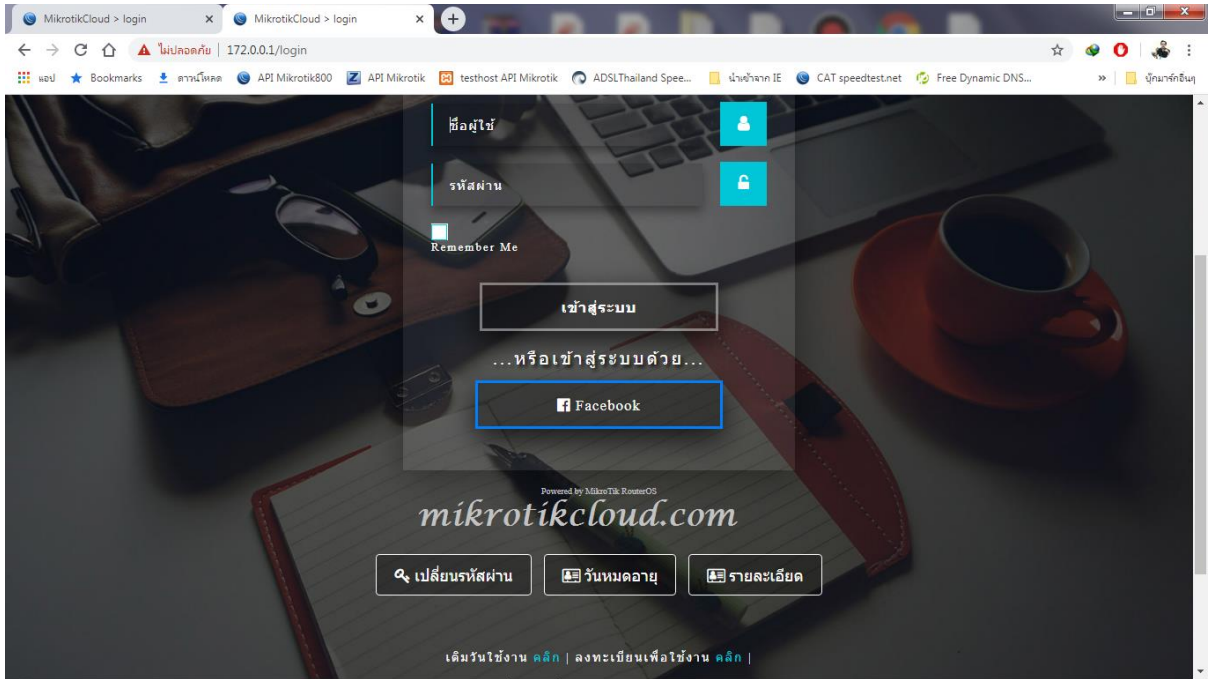


Ip/hotspot=>server Profile (Mark the picture and do not open Trial)

Open the login.html file in the hotspot / Facebook login By API folder for editing.

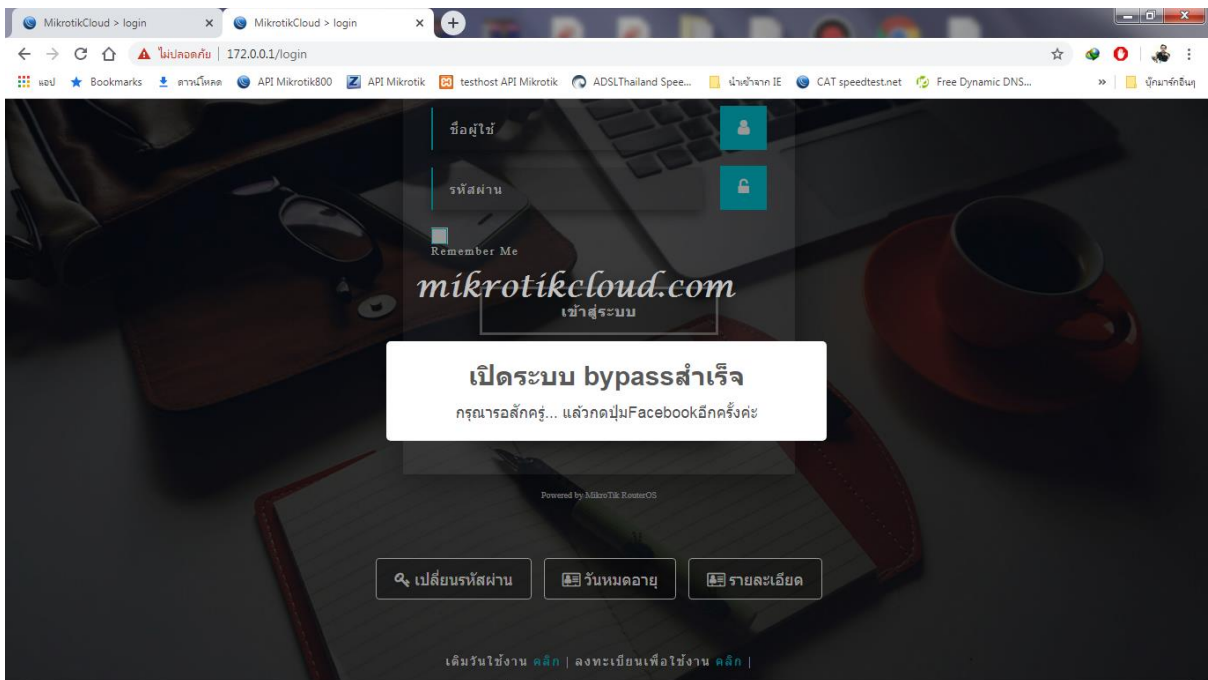


Edit the information to be yours. Then import the file into winbox.



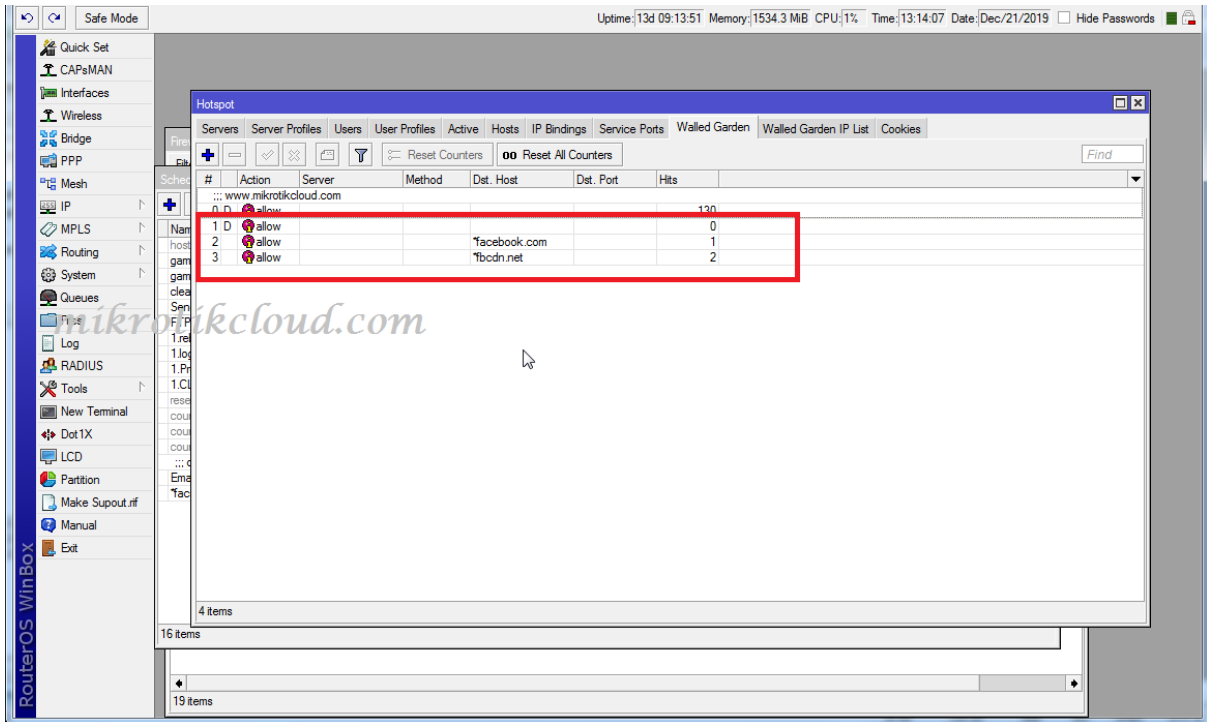
Facebook button while still not bypass web site

Click on the Facebook button.

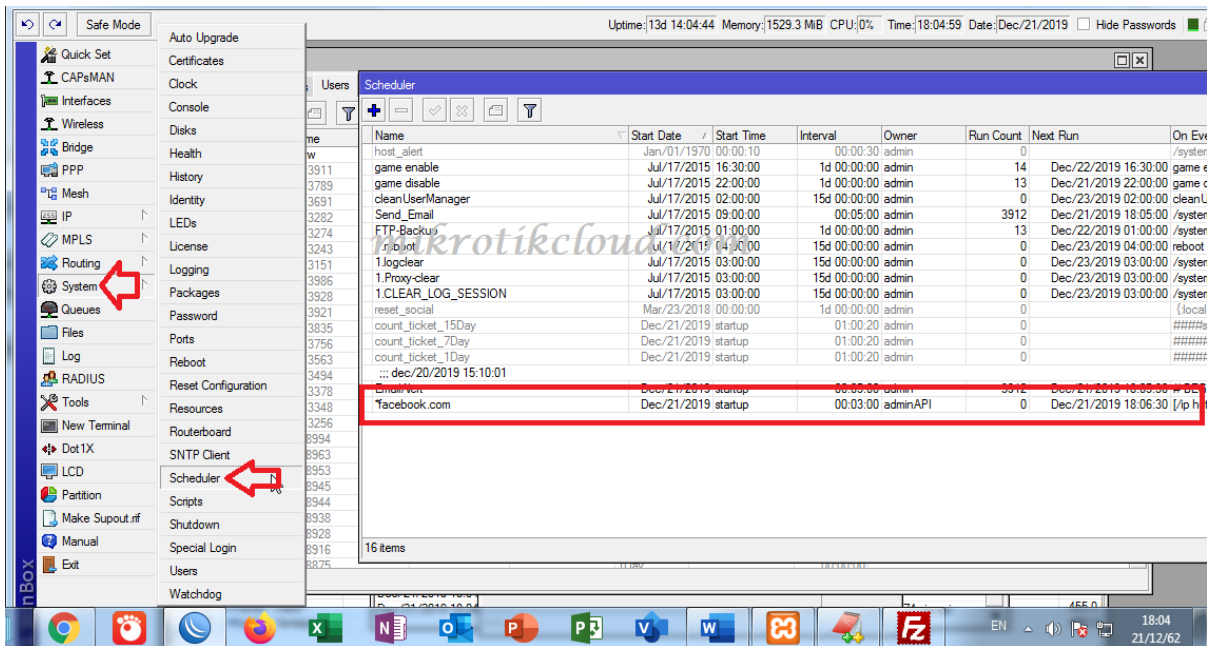


The API will open the bypass web for login.

The system will create a walled garden on the mikrotik router.

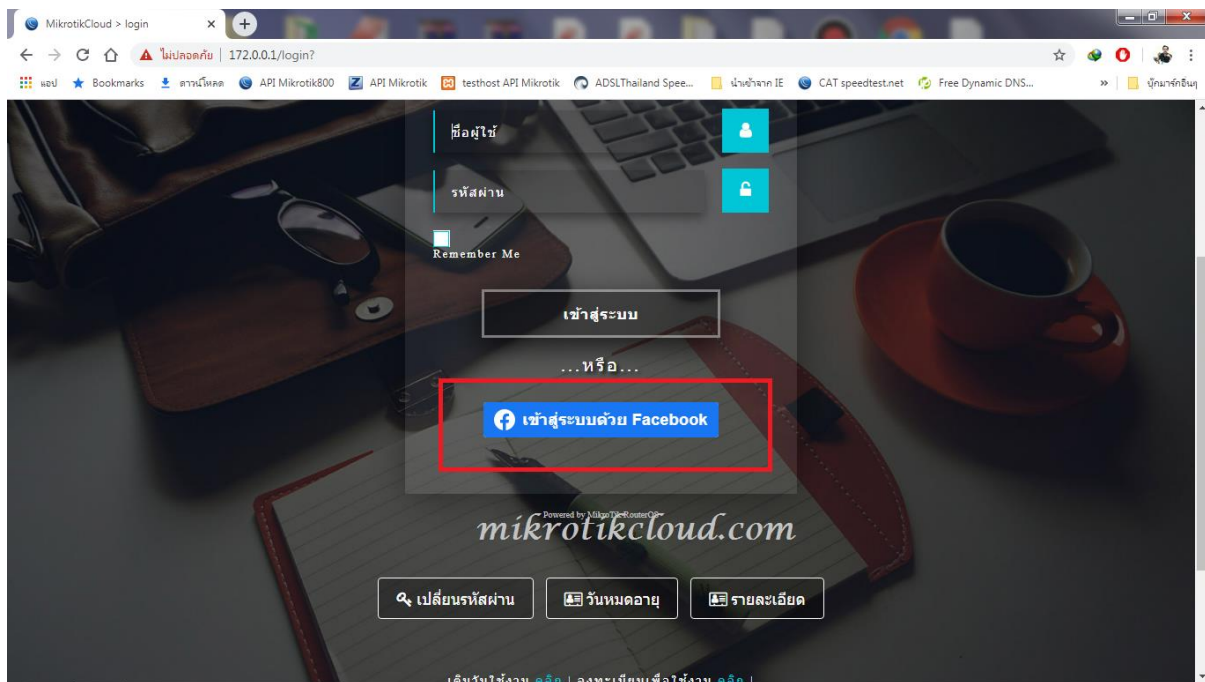


And the Scheduler is created to delete scripts in the walled garden and itself.

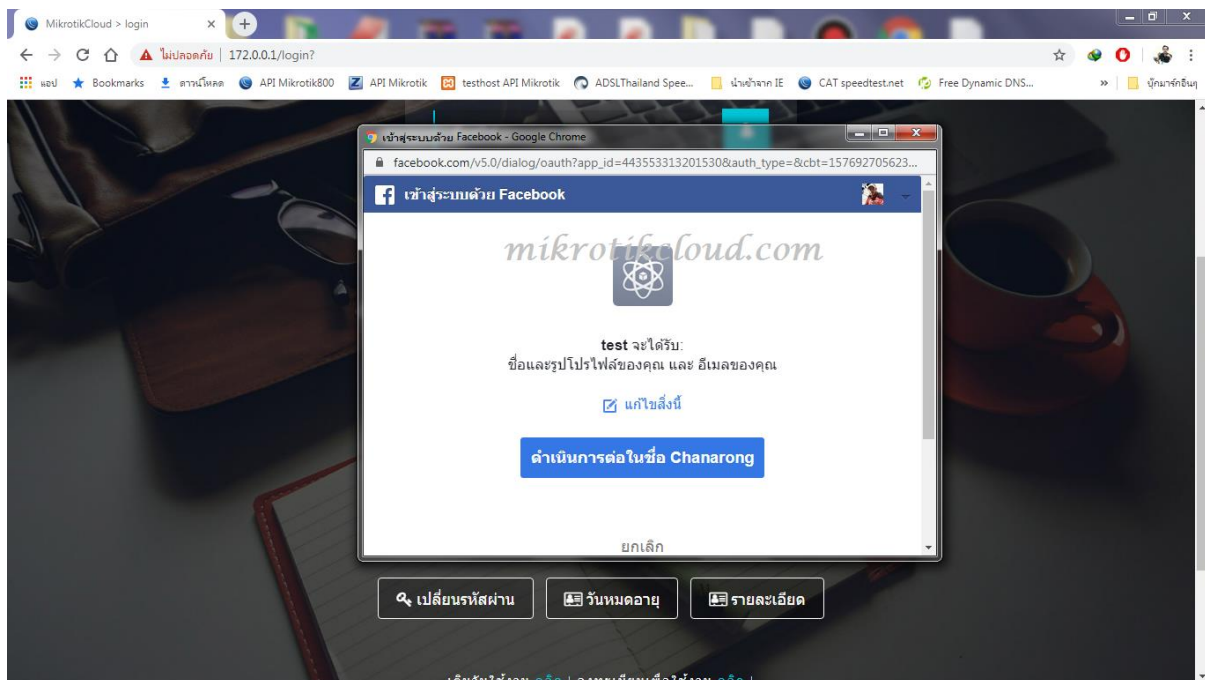


\*\*\* Which, if you have this Disable Script, can fix the delay time bypass web

When the facebook web site is bypass, there will be a facebook login button. Come up to login

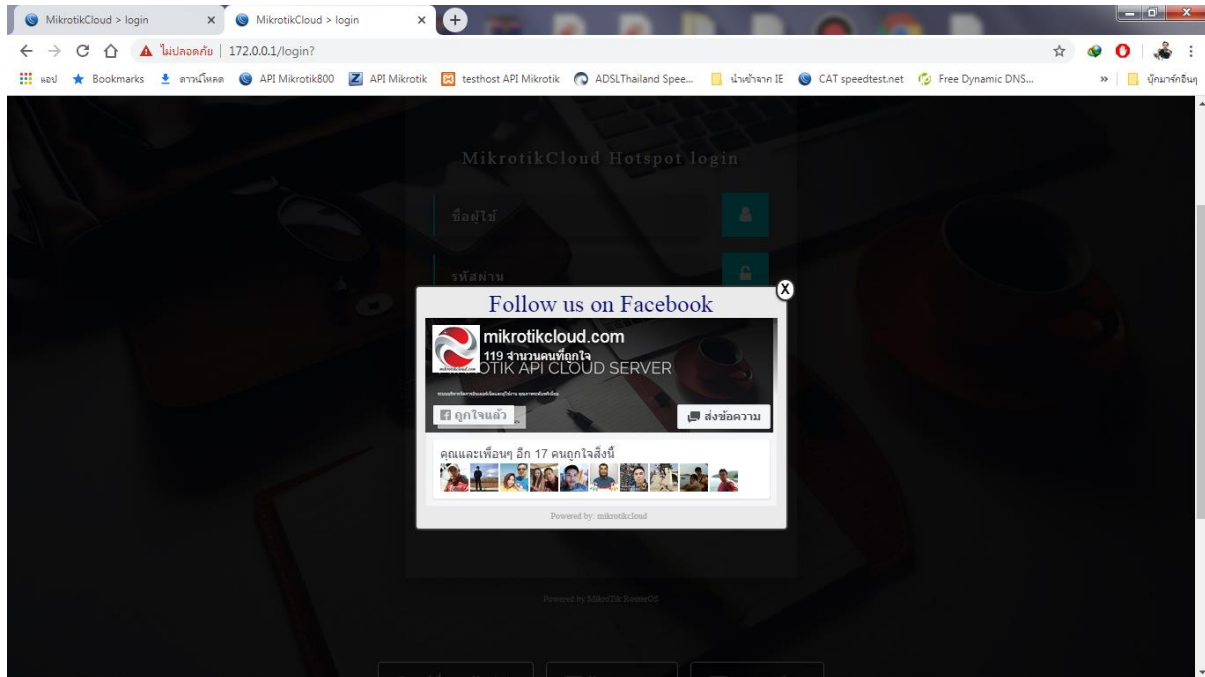


Requests for access to data depend on the facebookc agreement with the app you created.

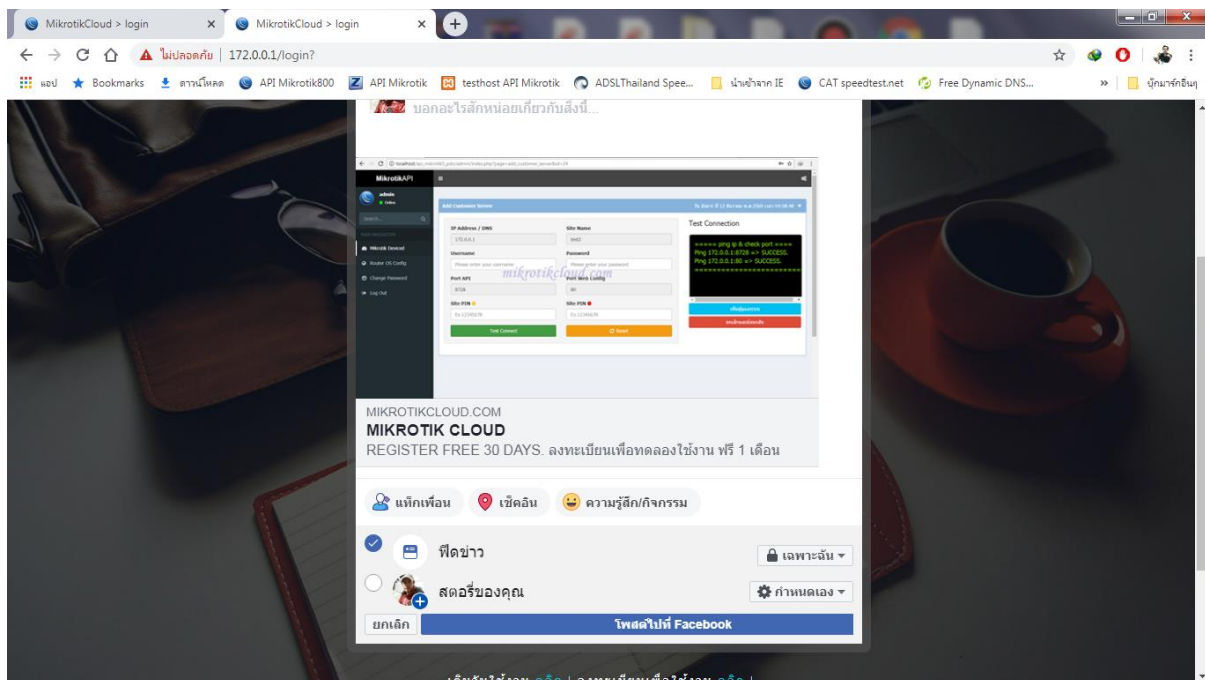




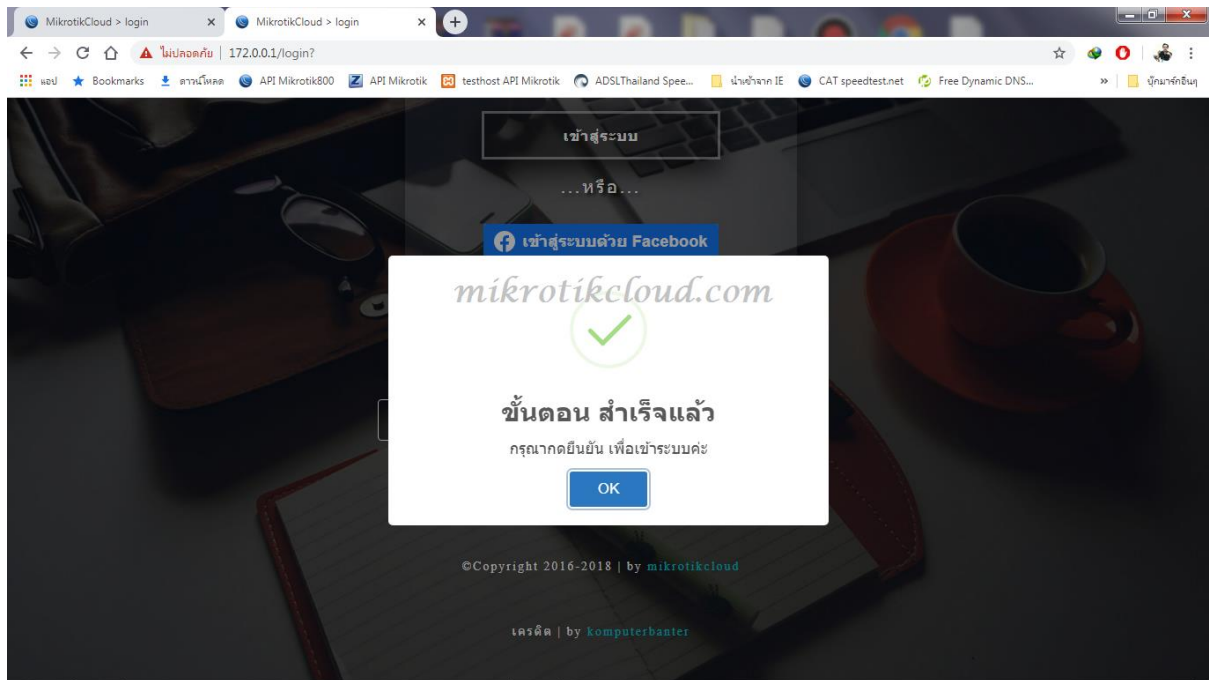
## Like function



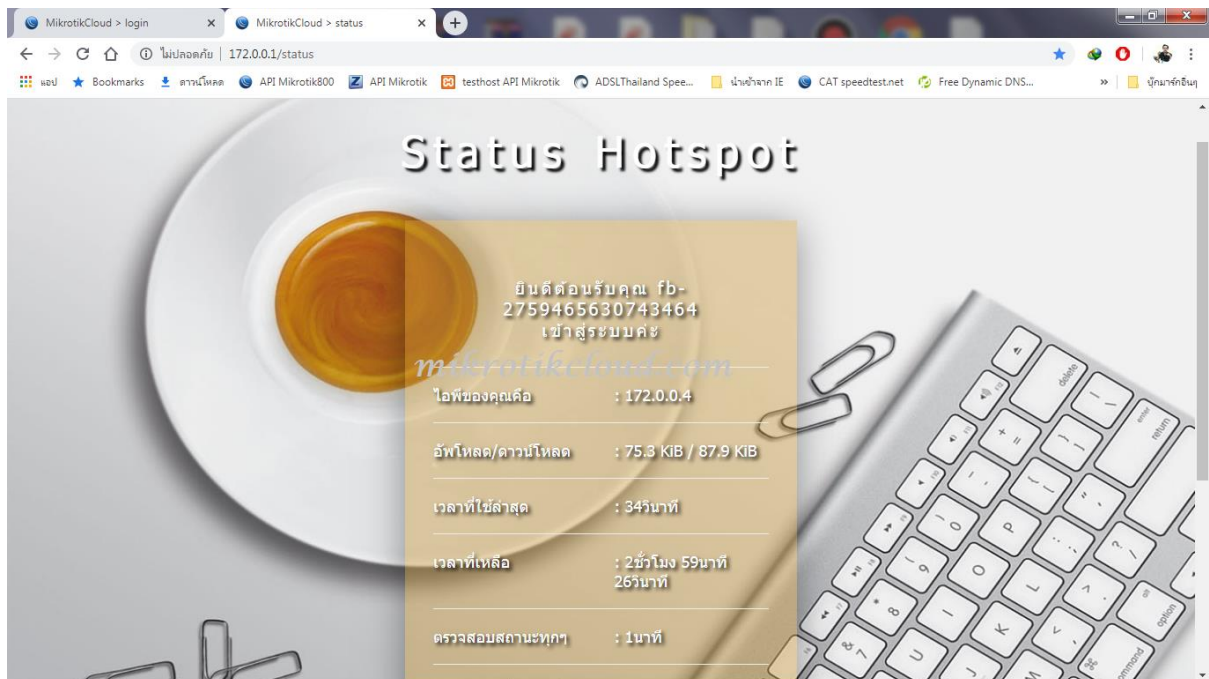
## Post Function



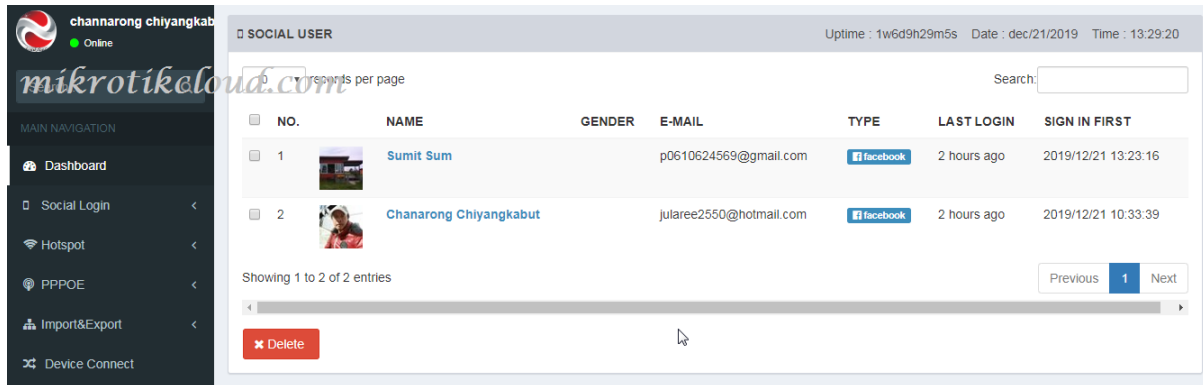
When all the steps have been completed, the system will notify You click the OK button.



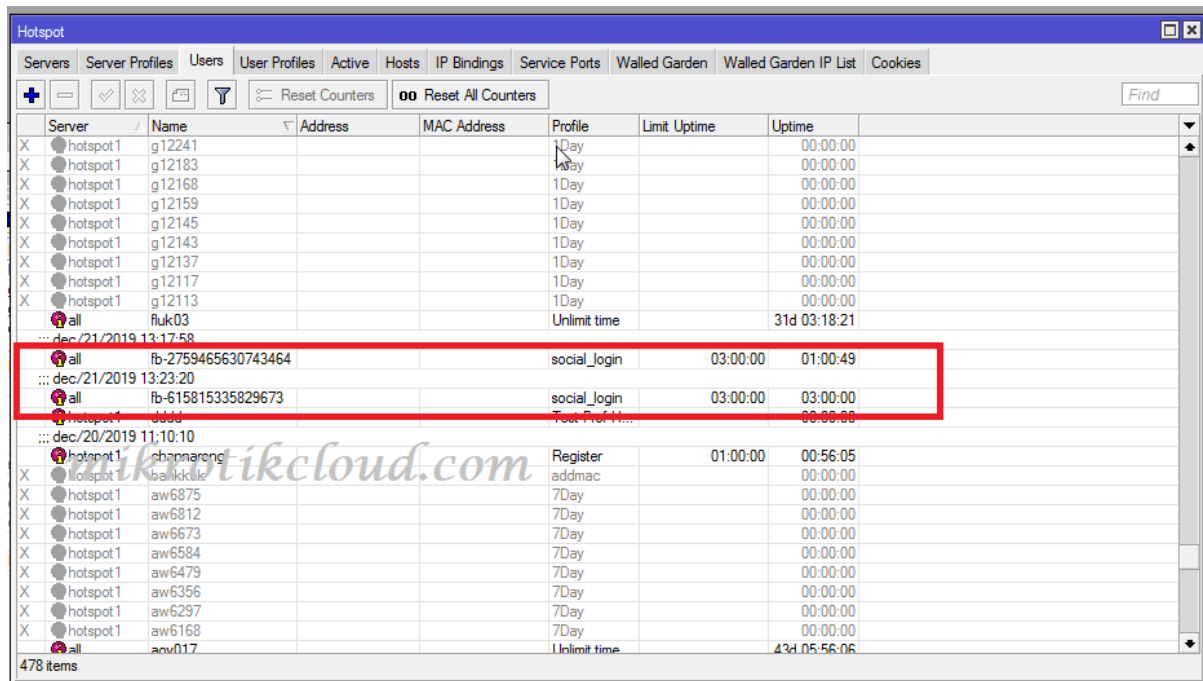
User will log in automatically.



The API on the social user page will display a list of users.



User created in mikrotik winbox



## Facebook login By Trial Function (Don't use api)

For social login trials that don't require api

The advantage is

1. Work connected with api of facebook at any time

2. You don't need a server or other device other than a single mikrotik.

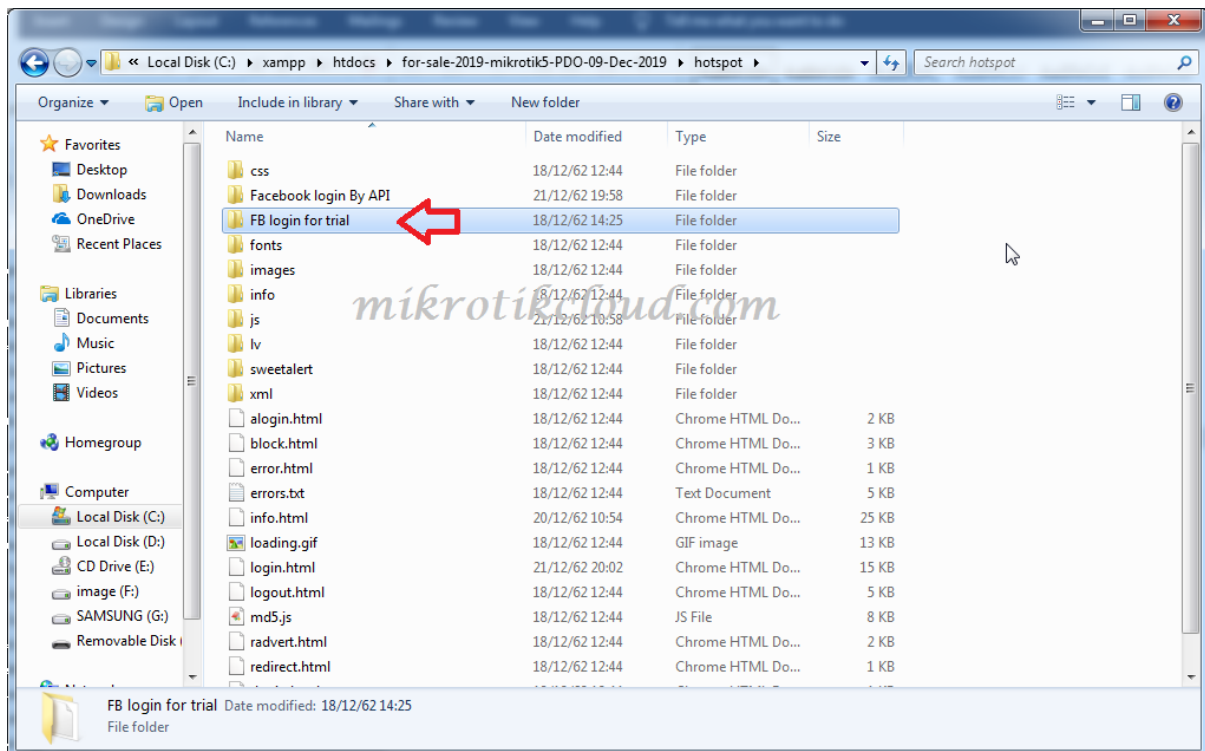
The disadvantage is

1. user can use on facebook at any time as well without having to login via Hotspot login page.

2. Cannot collect usage data of users.

The configuration steps for use are as follows:

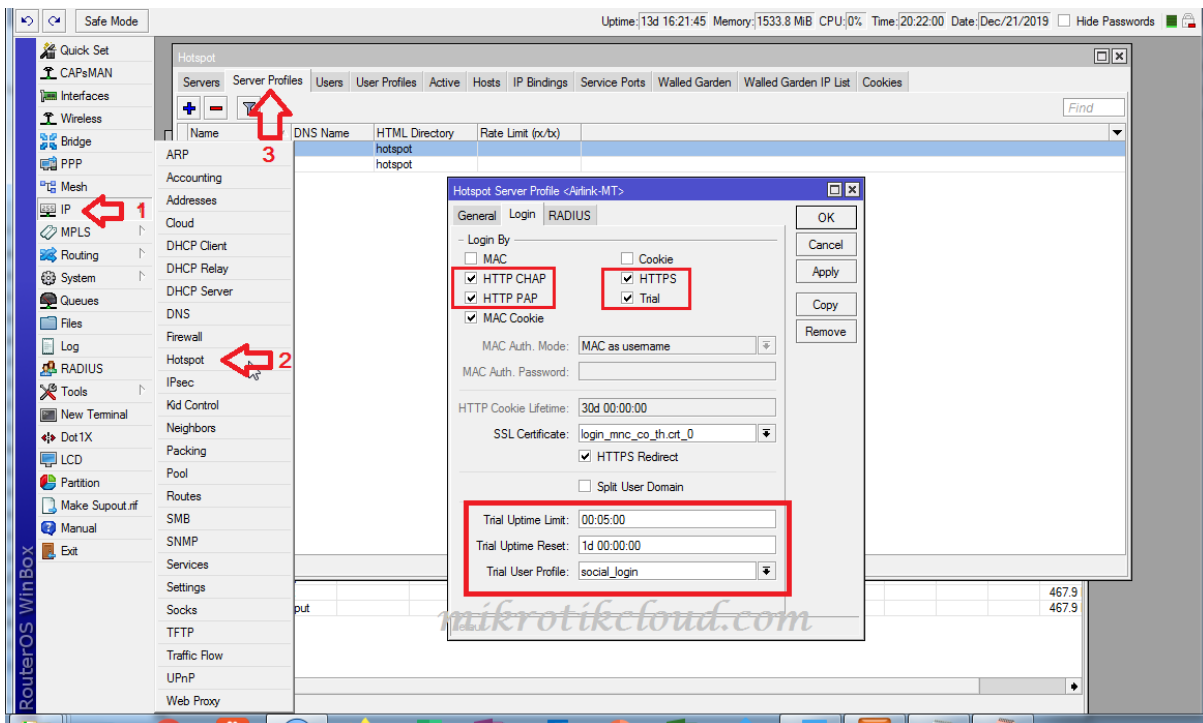
Copy the file name login.html to override the old login.html and open the file.



Edit all 3 lines and import into files in winbox

```
40 <!-- ***** สำหรับ เช้าจรชมด้วย Facebook ***** -->
41 <!-- json -->
42 <script src="js/jquery-1.10.2.js"></script>
43 <script src="js/1.7.2-jquery.min.js"></script>
44 <script src="js/facebook-popup-box.js"></script>
45 <link rel="stylesheet" href="css/fb_popup_user_like.css">
46 <script type="text/javascript" src="/md5.js"></script>
47
48
49
50 <script type="text/javascript">
51 if ('$?trial') == 'yes' {
52 //***** For Trial buags facebook website *****/
53 // Load the SDK asynchronously for button
54 var app_id='44355313201530'; //set FB your App ID here//.....1
55 var pageId='178091666281628'; //set FB your PAGE ID //.....2
56 var urlPost='https://mikrotikcloud.com'; //set Post url web site OR facebook Page .....3
57
58 function checkLoginState() {
59
60 FB.getLoginStatus(function(response) {
61
62 APIstatusChangeCallback(response);
63
64 });
65 }
66 //****/
67
68 // Load the SDK asynchronously for button
69 (function(d, s, id) {
70 var js, fjs = d.getElementsByTagName(s)[0];
71 if (d.getElementById(id)) return;
72 js = d.createElement(s); js.id = id;
73 js.src = "https://connect.facebook.net/th_TH/sdk.js";
74 fjs.parentNode.insertBefore(js, fjs);
75 }(document, 'script', 'facebook-jssdk'));
76
77 function PostFunction(){
```

Enter winbox to enable Trial and set the 3 boxes below according to usage.



Then copy the script below to put in the New Terminal

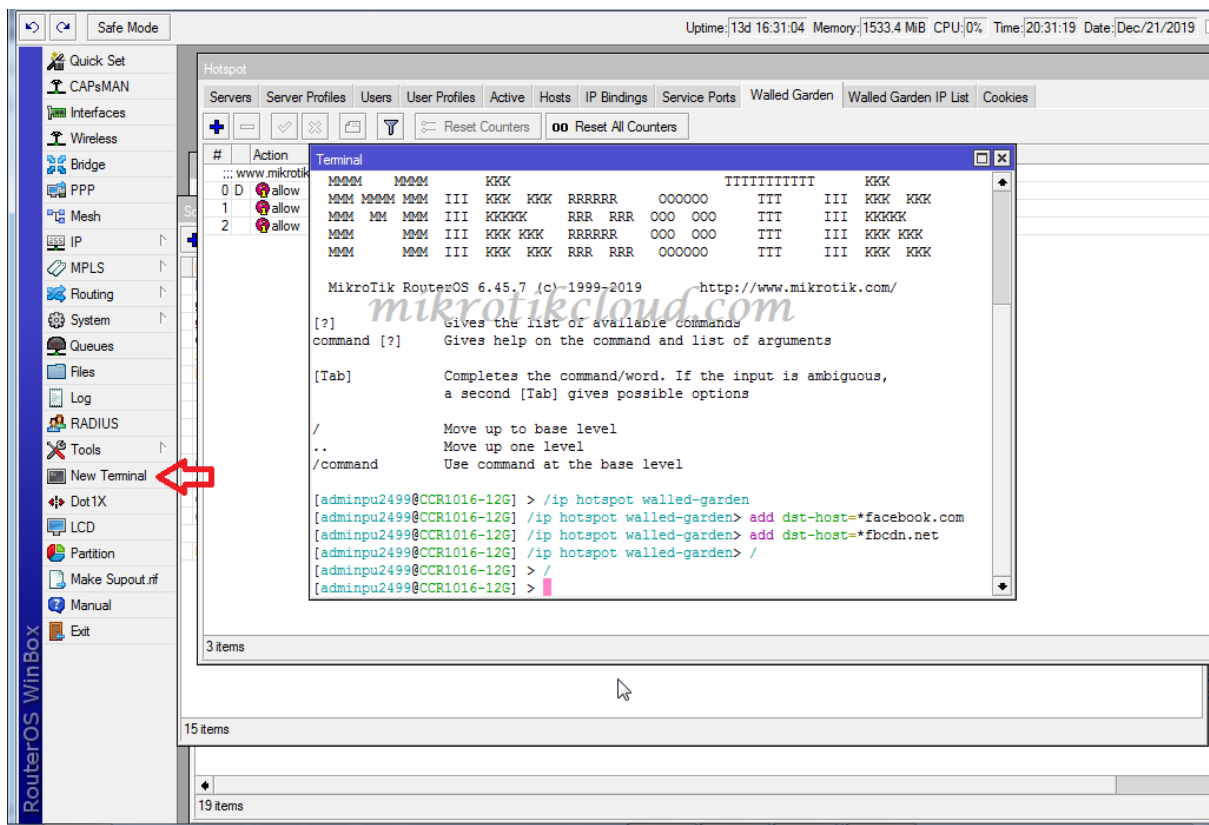
/ip hotspot walled-garden

add dst-host=\*facebook.com

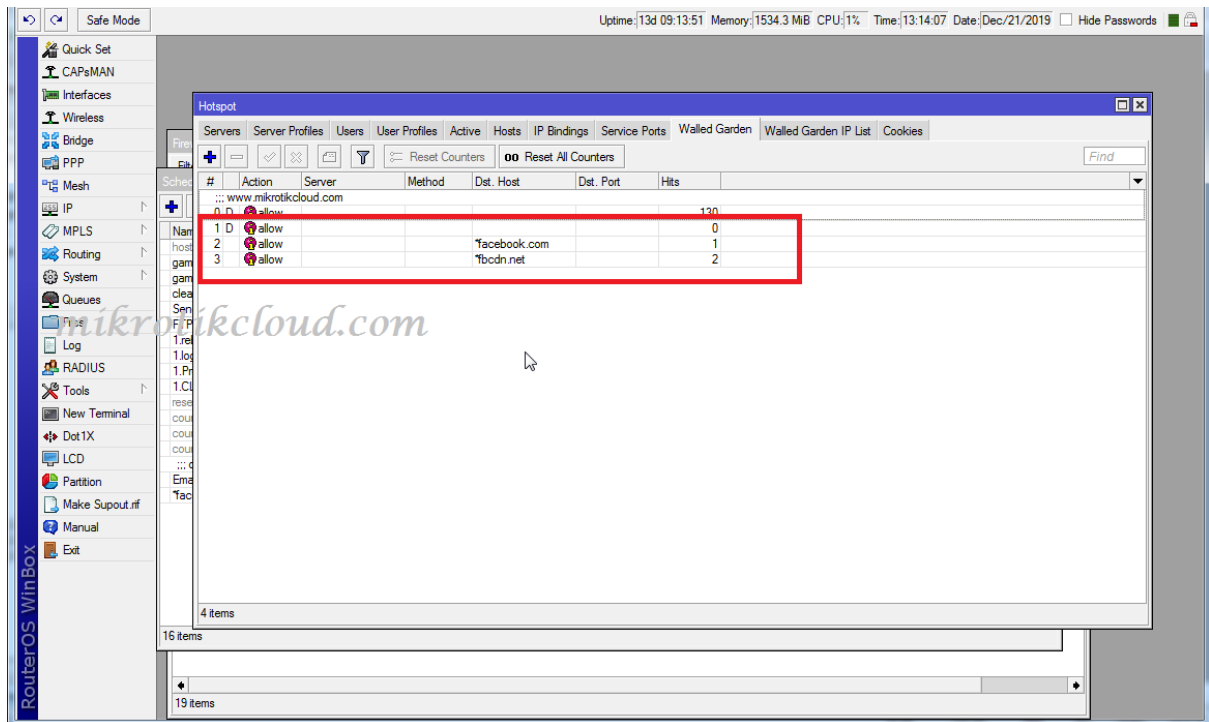
add dst-host=\*fbcdn.net

/

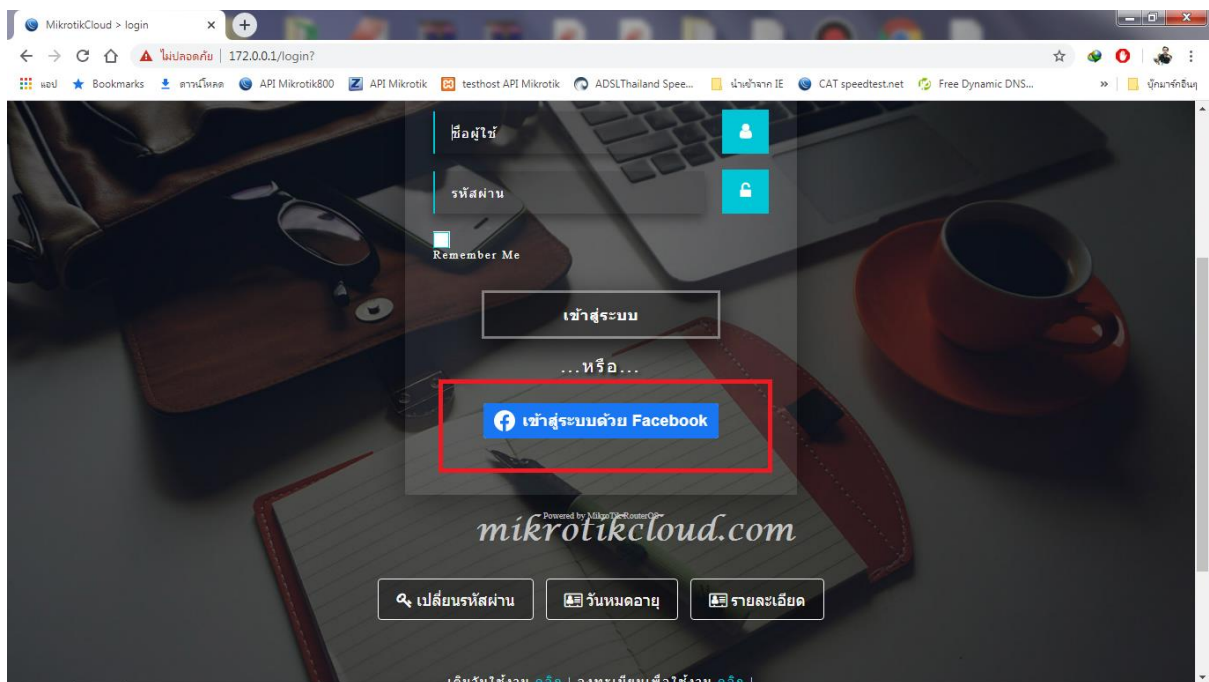
/



Finished

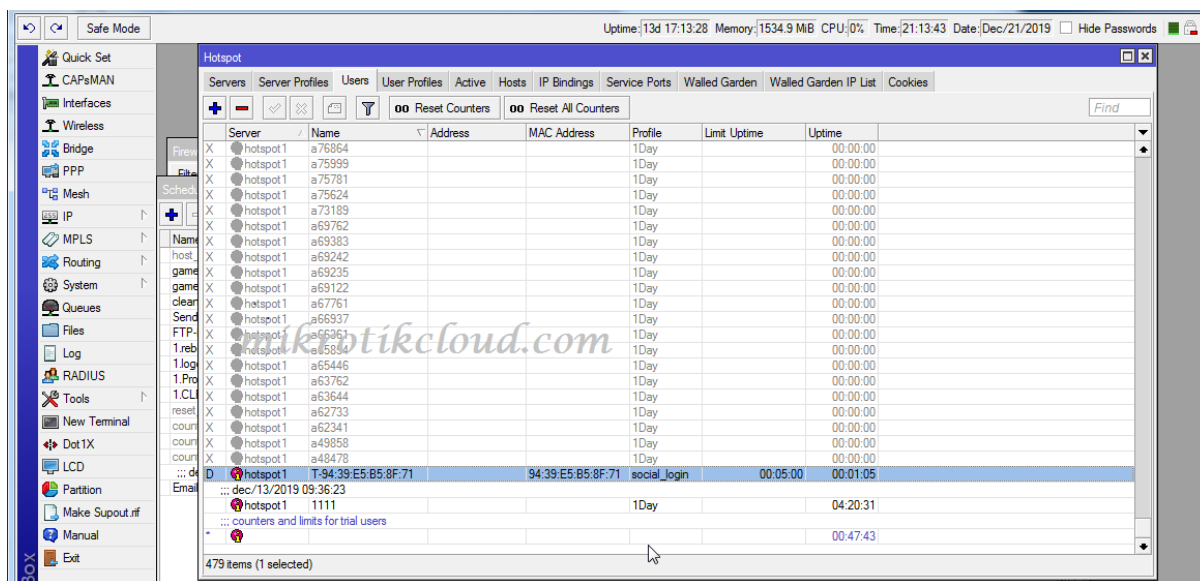


Test in the hotspot login page.



The login button will come, no need to wait. The behavior is the same as login by API.

## User created



## Notify when unable to use internet

This will be a javascript function to ping whether the mikrotik router is connected to the internet or not, by inserting the script below into the New Terminal.

Which will display the message on the login.html and status.html pages

---

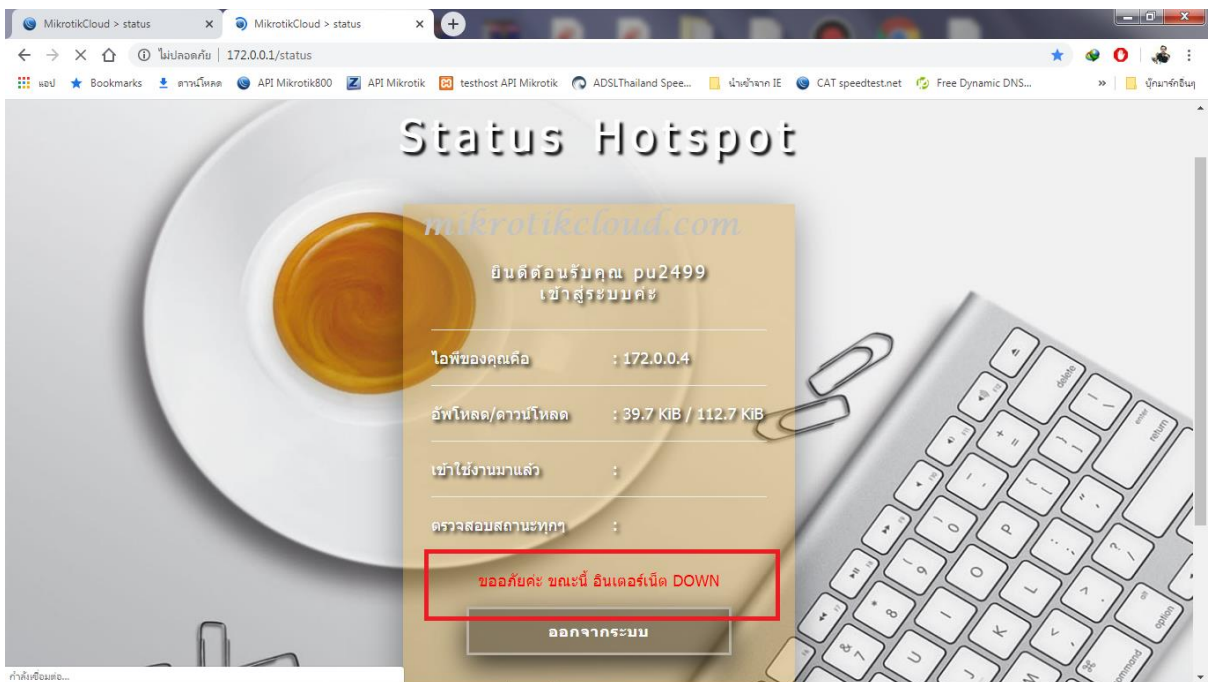
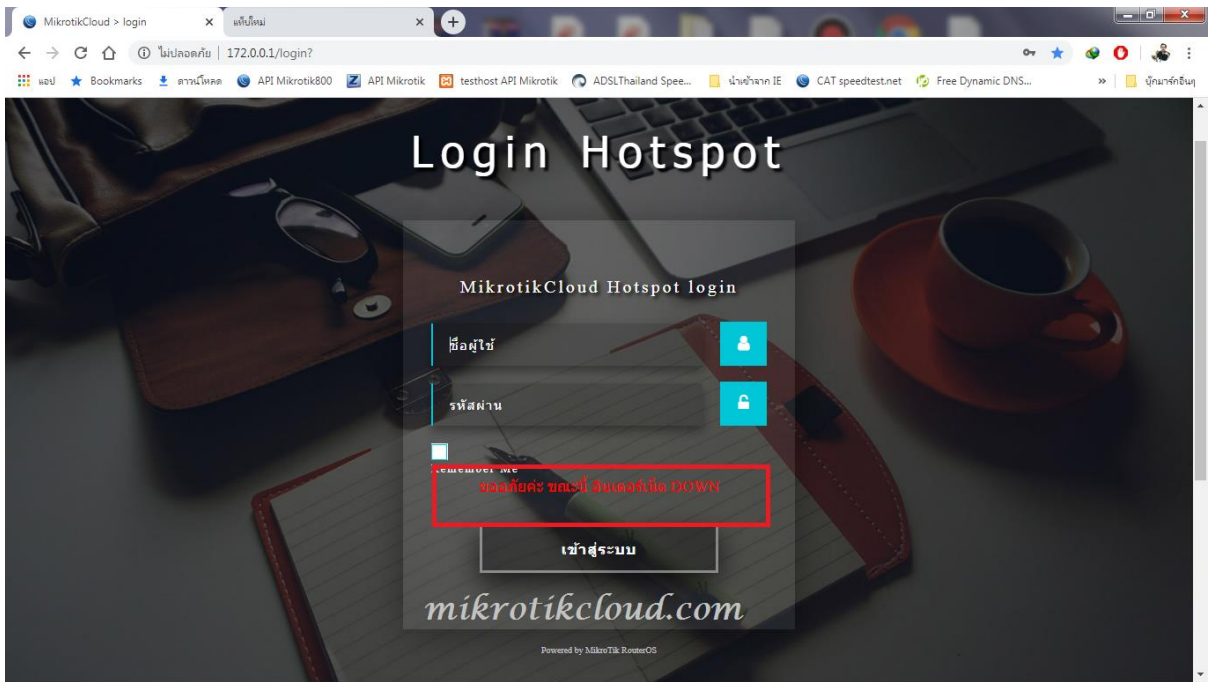
```
/ip hotspot walled-garden ip
```

```
add action=accept disabled=no dst-host=www.mikrotikcloud.com
```

```
/
```

---





## PPPoE server with user notifications

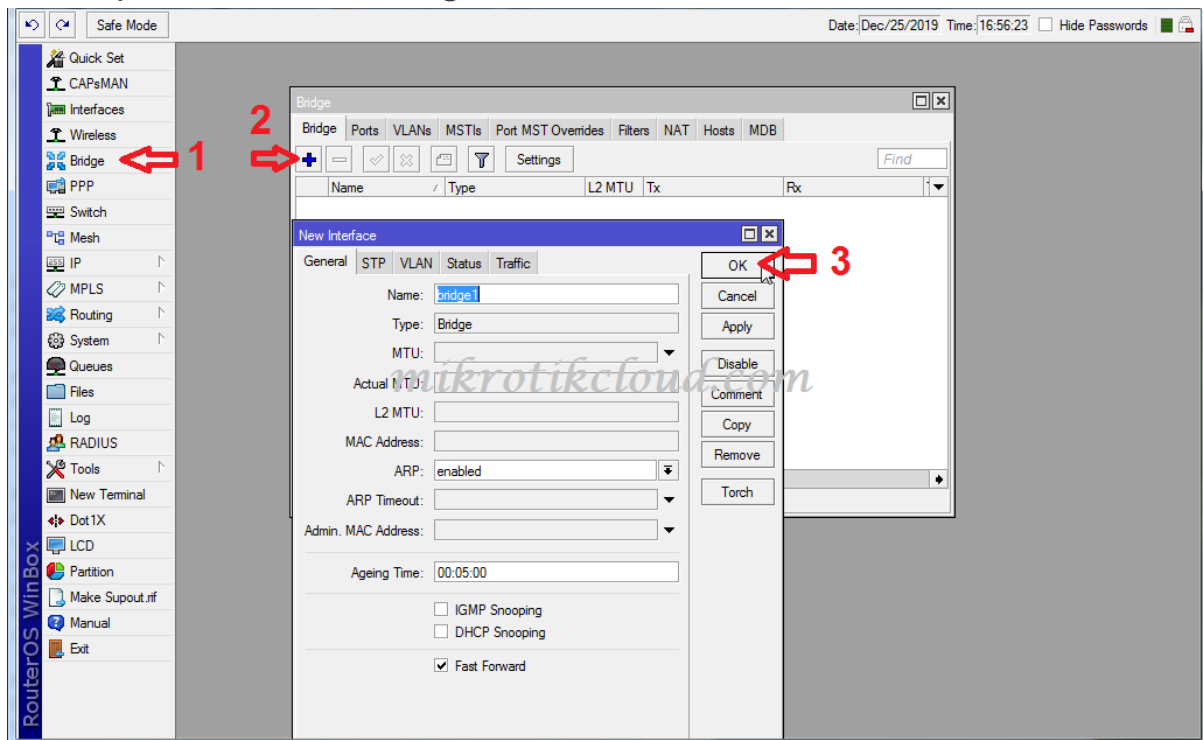
In Mikrotik5-PDO and Mikrotikcloud-hosting There are 2 types of expired user management systems.

1. When expiring, will disable and remove the specified date and time.
2. When expired Will change the profile for the user automatically so that the system redirects to the page to notify the customer expiration date

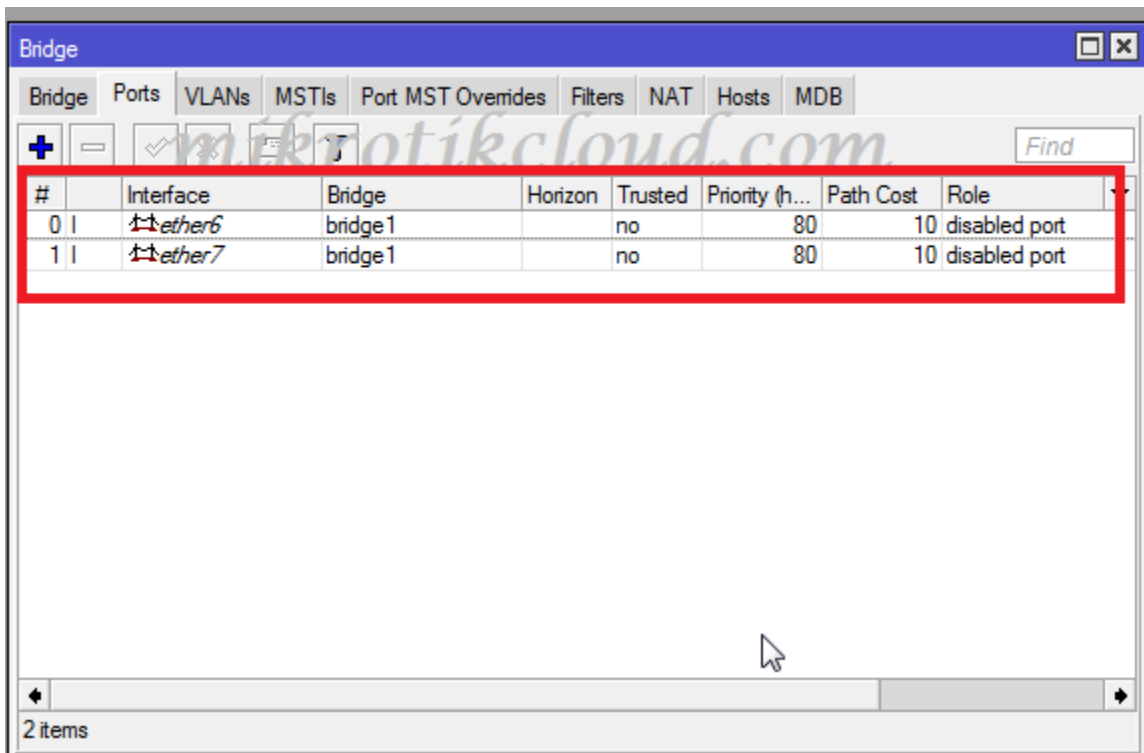
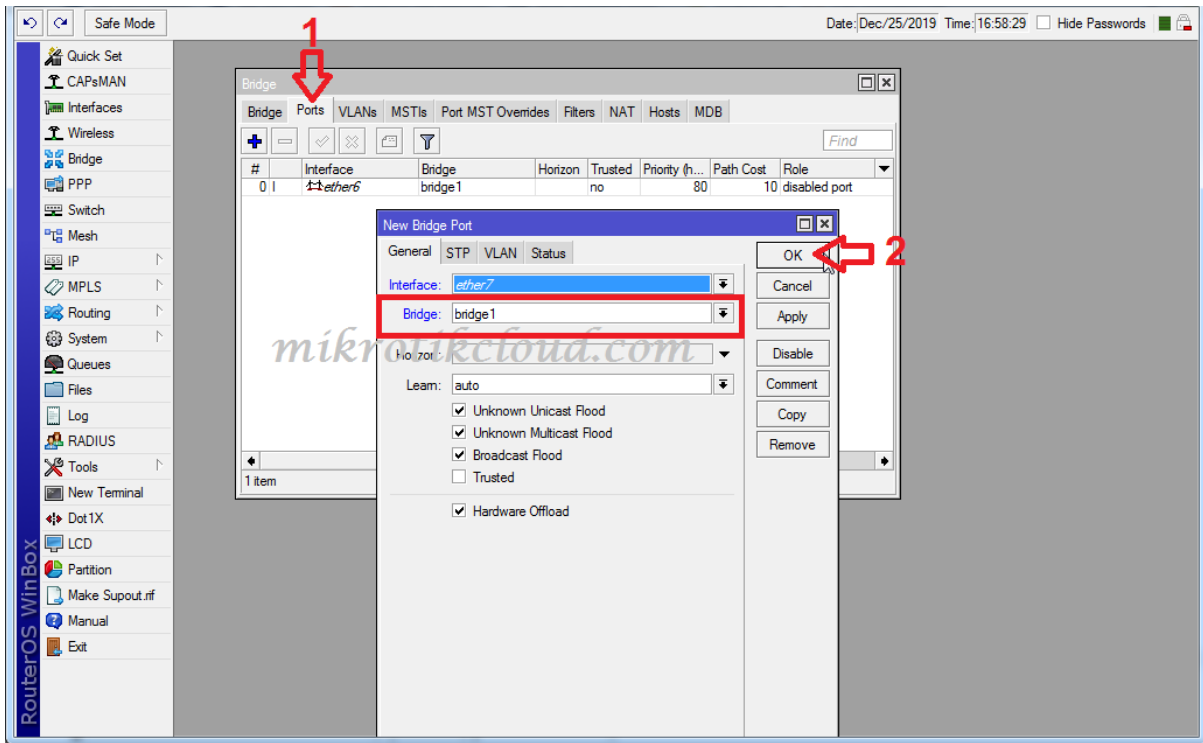
When the specified time has elapsed Will change the profile back to its original value and then disable and remove respectively.

Will explain the implementation of the system in the form 2

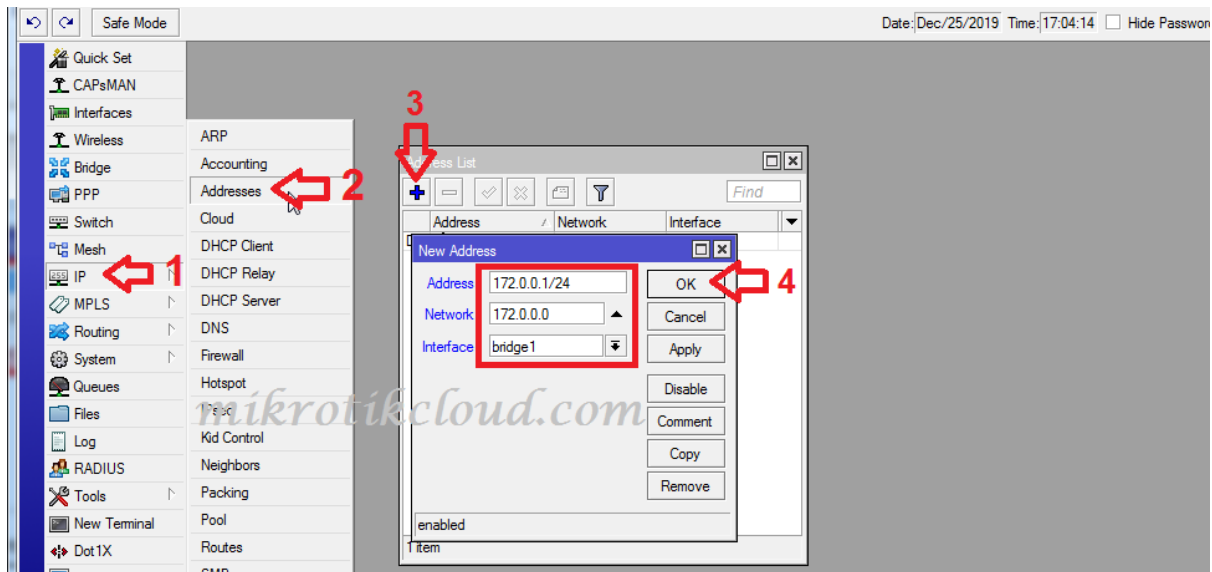
### Example to create Bridge1



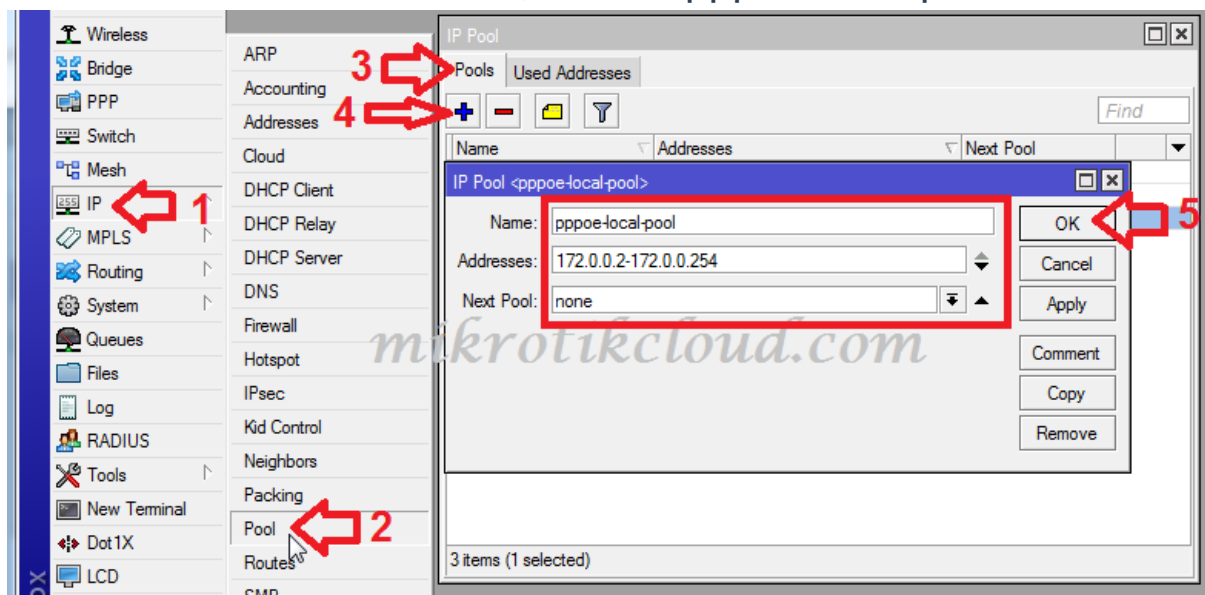
Add ether6 and ether7 to bridge1.



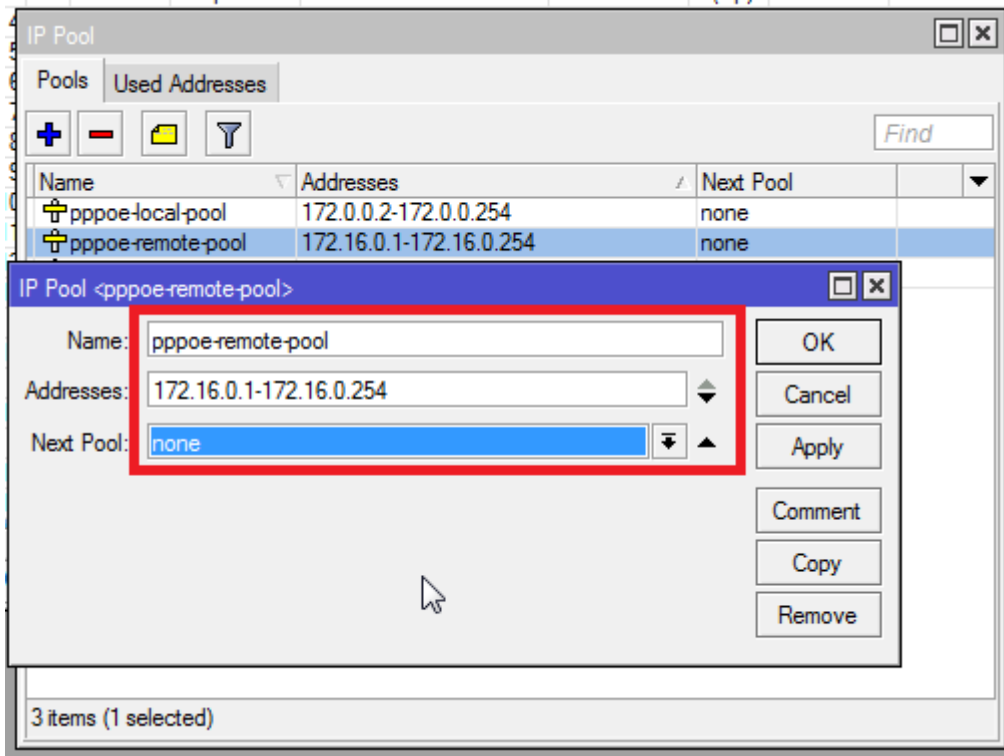
## Create new Address 172.0.0.1/24 interface bridge1



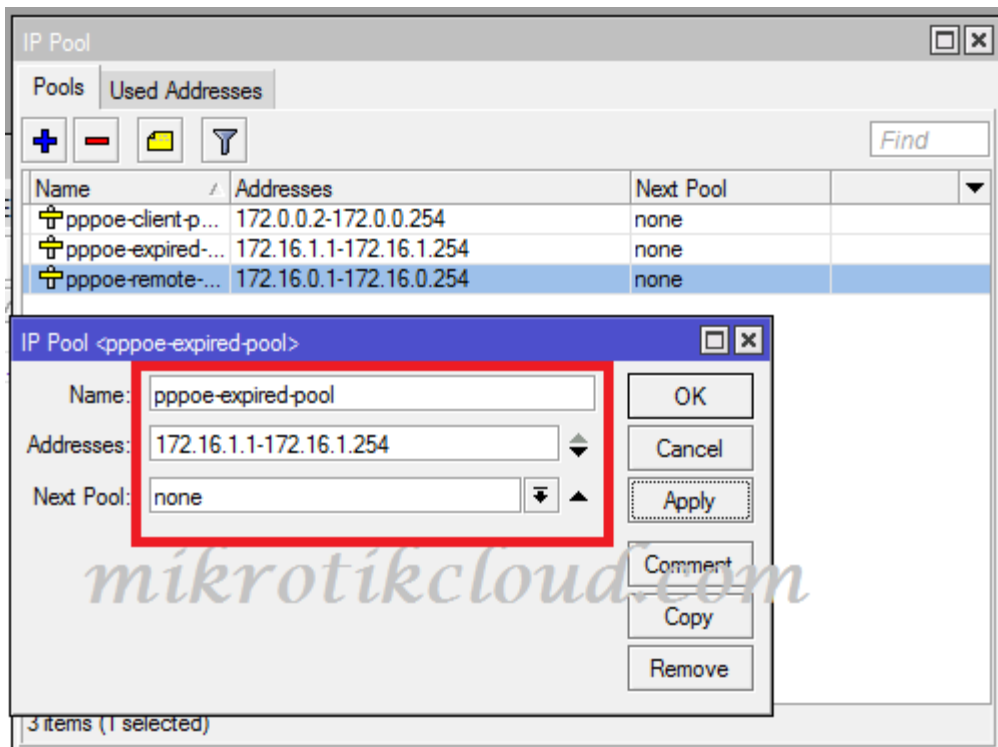
## Create an IP Pool for Local, named pppoe-local-pool.



Create an IP Pool for Remote. Give the client connected by PPPoE Client. Length 172.16.0.1 – 172.16.0.254 named pppoe-remote-pool.

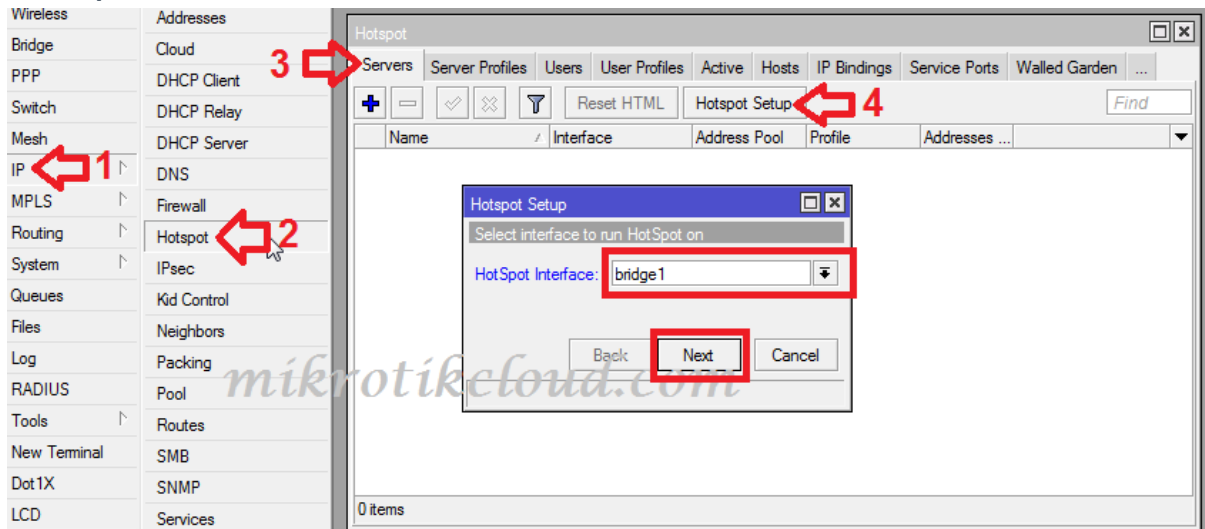


Create IP Pool for Client that is Expired. Length 172.16.1.1 - 172.16.1.254

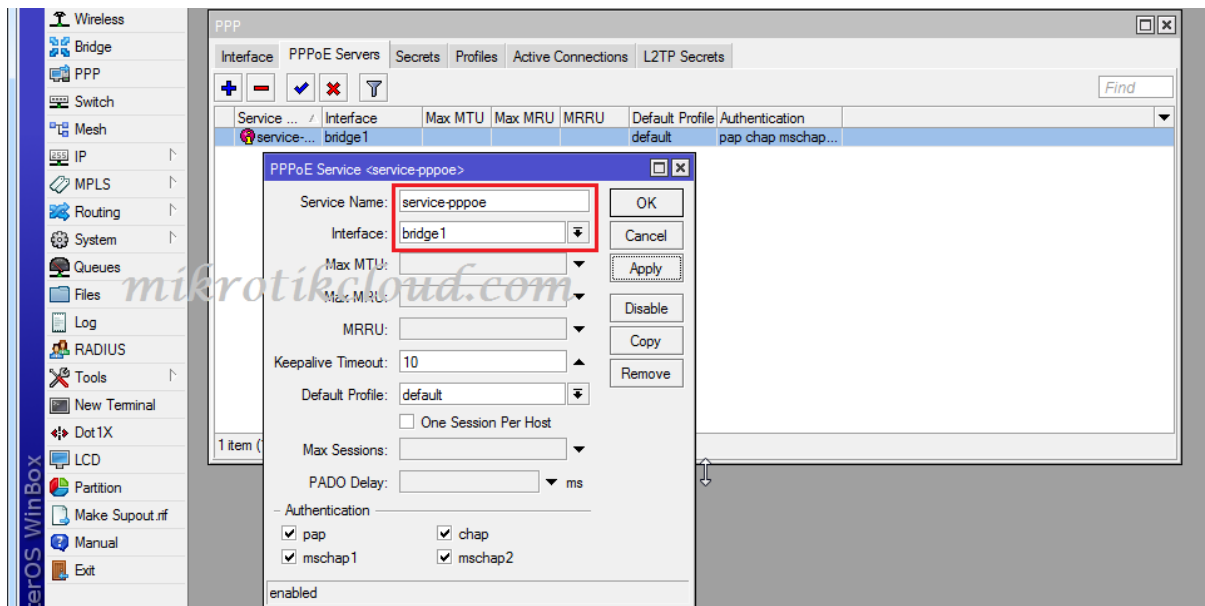


Create a Hotspot Server for Bridge<sub>1</sub> (172.0.0.0) that must be created because Mikrotik's Web Server will work.

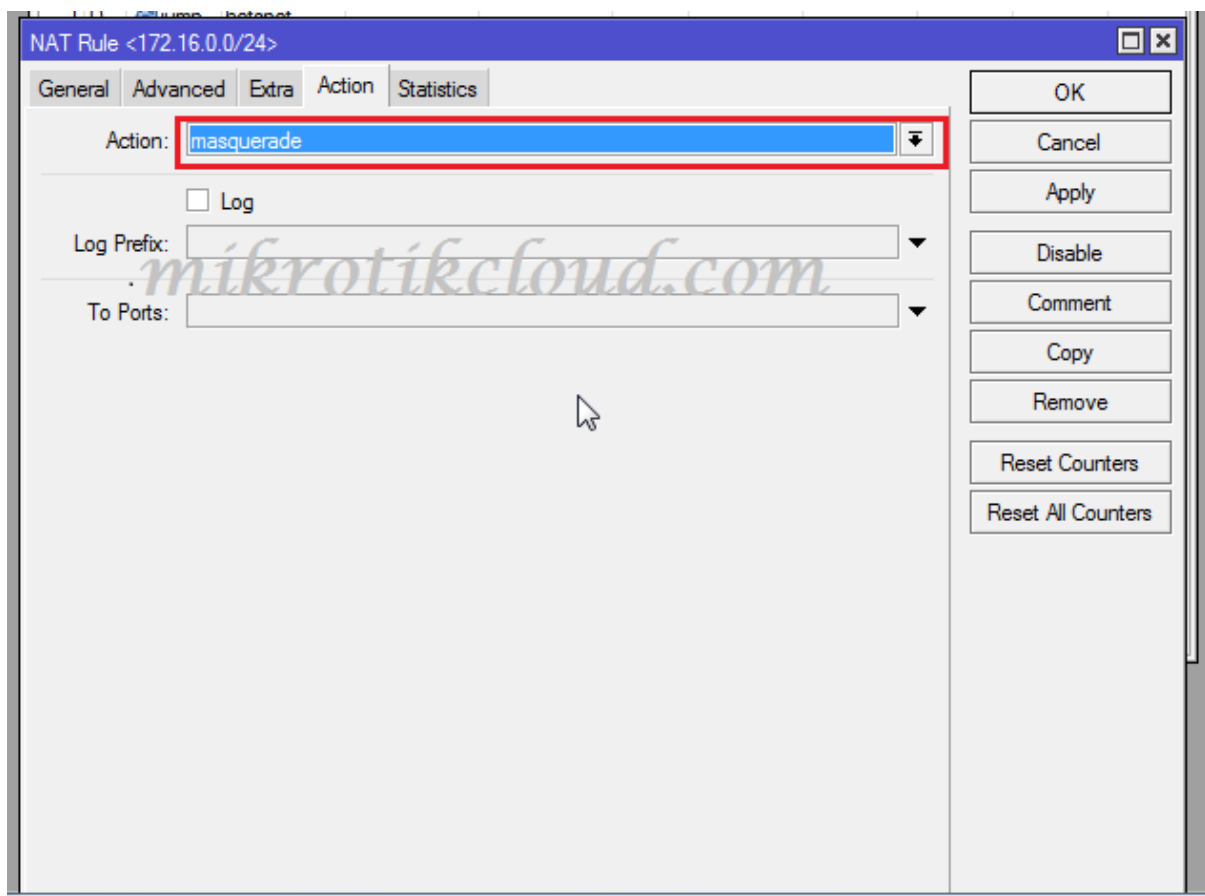
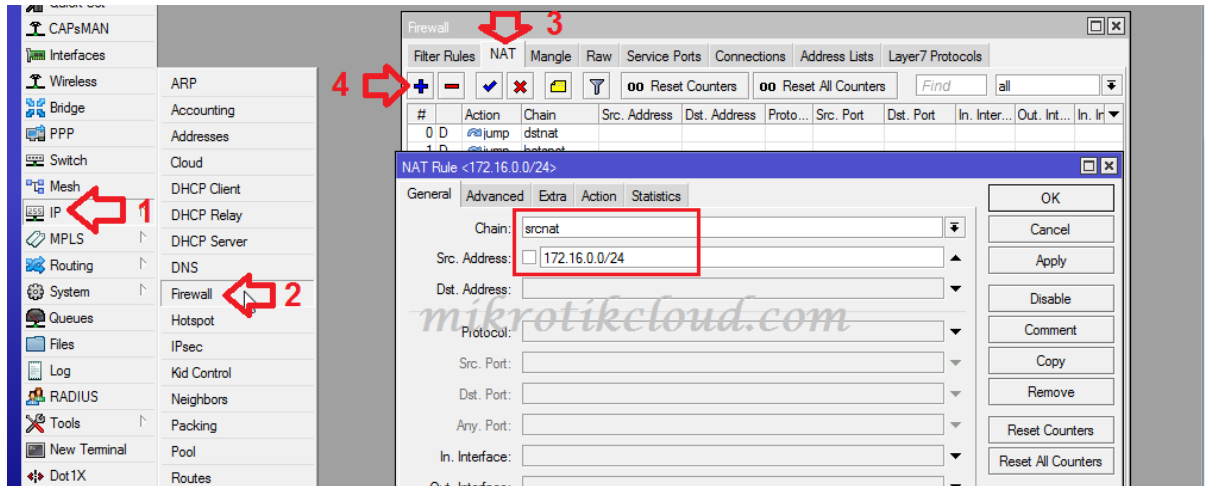
If redirecting at other servers is not necessary to create a Hotspot server



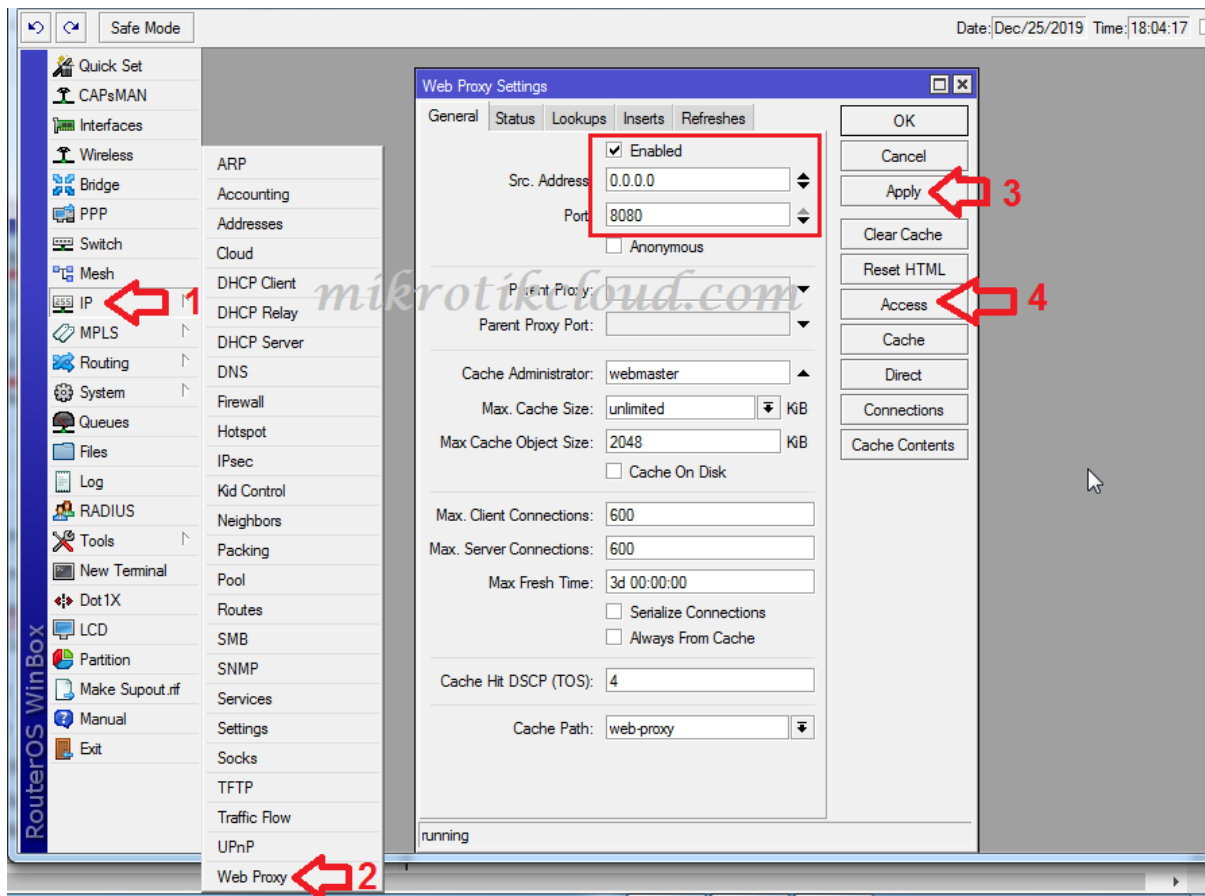
## Create PPPoE Service



Create a NAT for the Network 172.16.0.0/24 (pppoe-remote-pool) can access the internet

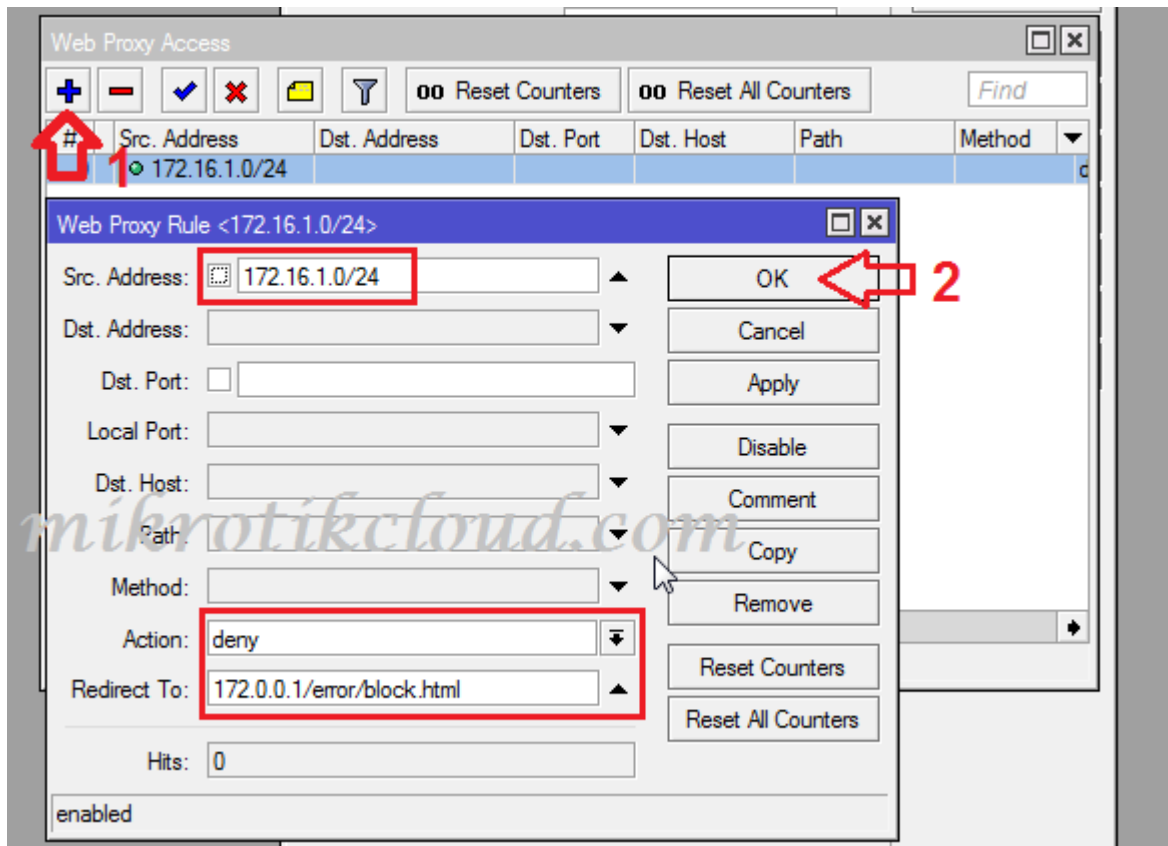


# Enable Web Proxy

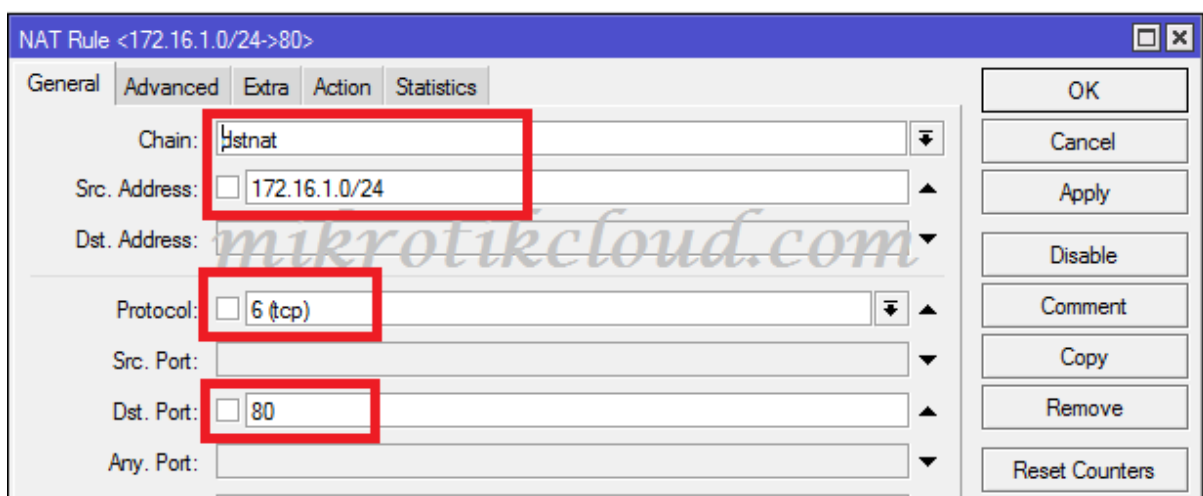


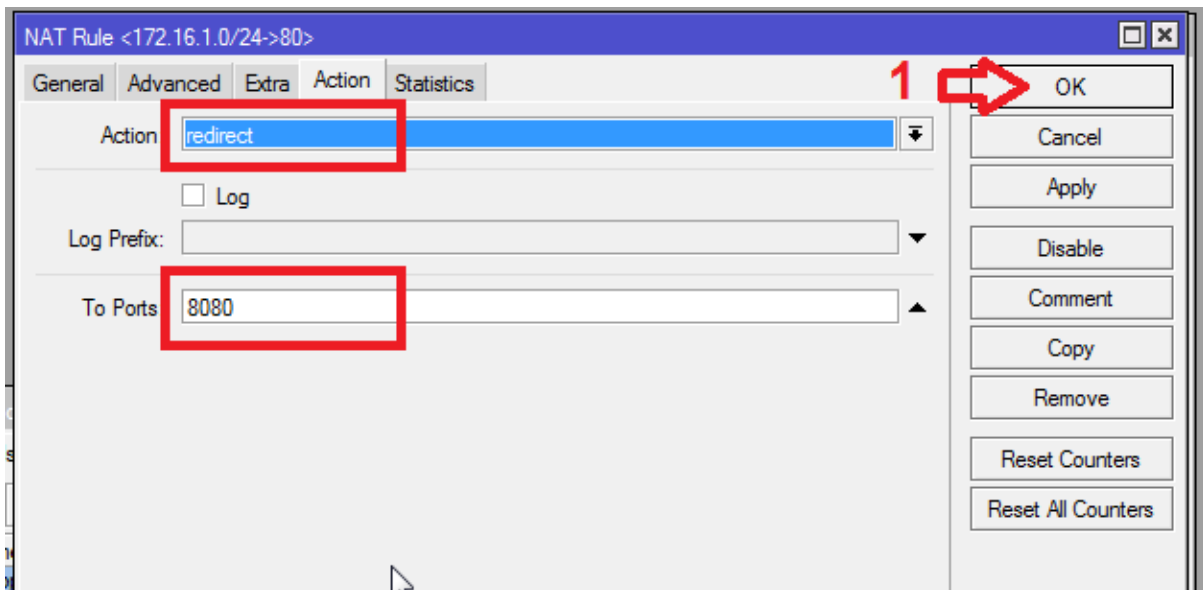


Create web proxy access for expired and redirect to the web server (Mikrotik IP 172.0.0.1) in front of the desired page (block.html, rename if necessary).

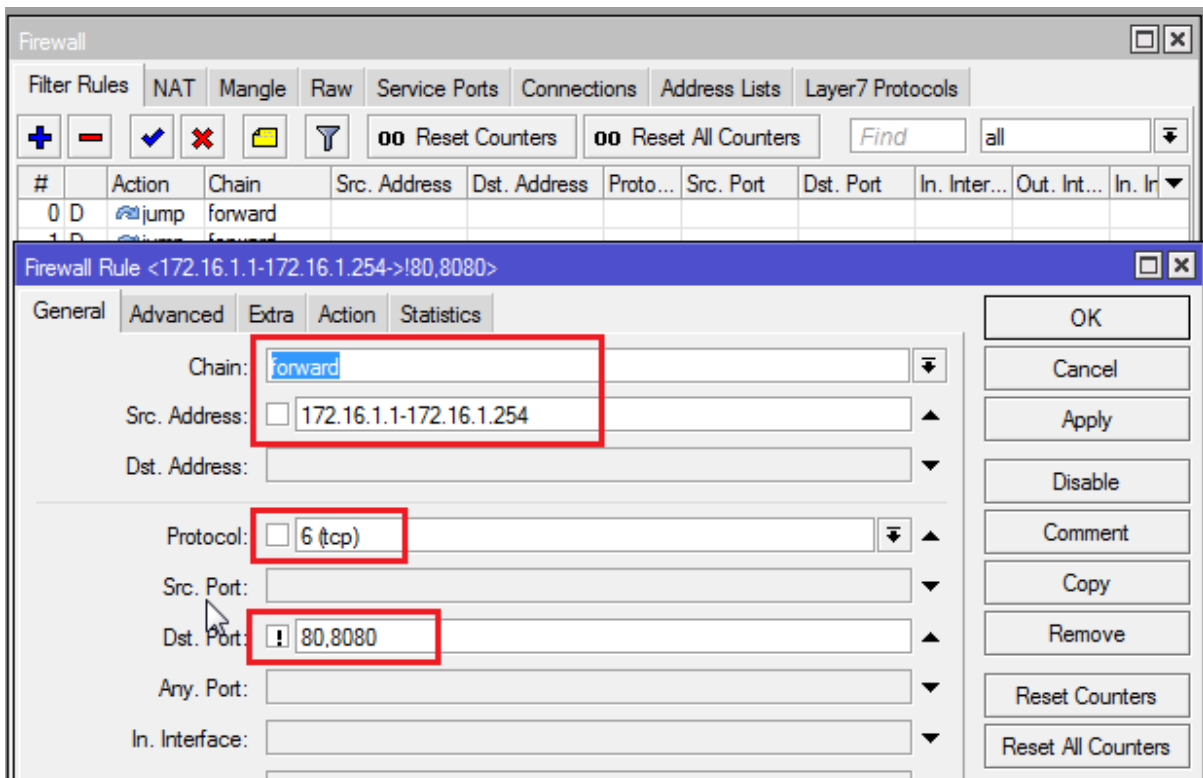


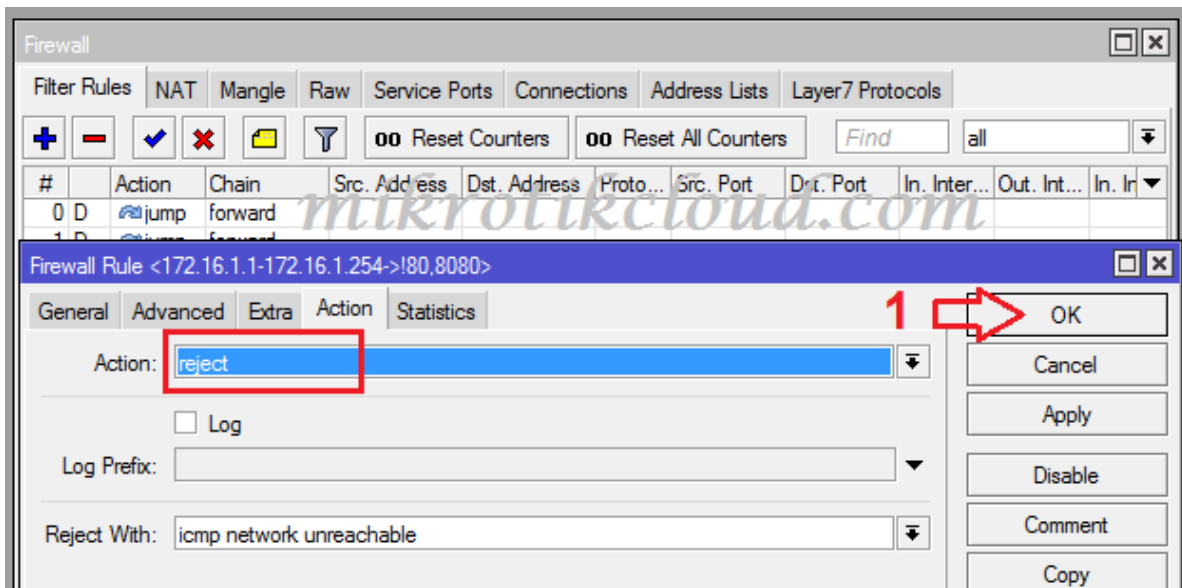
Create NAT Rule redirect from Port 80=>8080 Proxy) for pppoe-expired-pool



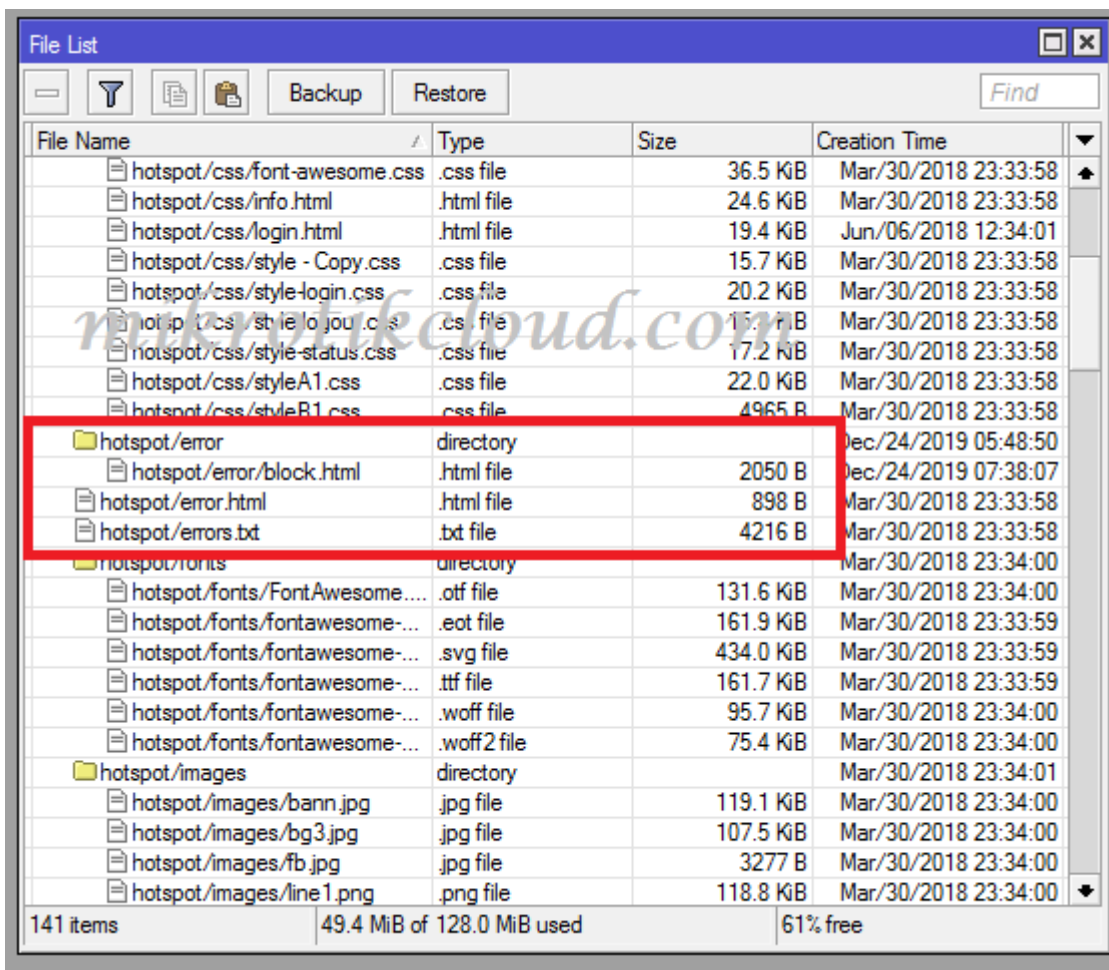


Specify Filter Rule to Reject Expired IP (pppoe-expired-pool)





Create an folder named error and a file named block.html and drag the folder to Path Hotspot.



Download file=<https://drive.google.com/file/d/1y1uXwptp - TjWBDnchwLP2HWjAbJvVCP/view?usp=sharing>

Go to create a profile in the API. Go to the page PPPoE  
=>Profile=>Add Profile



In normal use profiles, set the local address to pppoe-local-pool.

And remote address is pppoe-remote-pool

Create a profile for 1 expired user.



Set the local address to pppoe-local-pool.

And remote address is pppoe-expired-pool

Example, create 4 profiles

PPPOE PROFILES LIST *mikrotikcloud.com* Uptime : 1h56m4s Date : dec/25/2019 Time : 18:44:14

10 records per page Search:

NO.	NAME	RATE LIMIT	SESSION TIMEOUT	LOCAL ADDRESS	REMOTE ADDRESS	ACTION
1	default	Unlimited				
2	pppoe pro 1d	2m/10m		pppoe-local-pool	pppoe-remote-pool	
3	pppoe pro 10d	2m/10m		pppoe-local-pool	pppoe-remote-pool	
4	pppoe pro 20d	2m/10m		pppoe-local-pool	pppoe-remote-pool	
5	pppoe expired	128k/128k		pppoe-local-pool	pppoe-expired-pool	
6	default-encryption	Unlimited				

Showing 1 to 6 of 6 entries

Previous 1 Next

Delete

Go to edit the "pppoe expired" profile on the PPP profiles page in winbox. At the DNS Server

PPP Profile <pppoe expired>

General Protocols Limits Queue Scripts

Name:

Local Address:

Remote Address:

Bridge:

Bridge Port Priority:

Bridge Path Cost:

Bridge Horizon:

Incoming Filter:

Outgoing Filter:

Address List:

Interface List:

DNS Server:

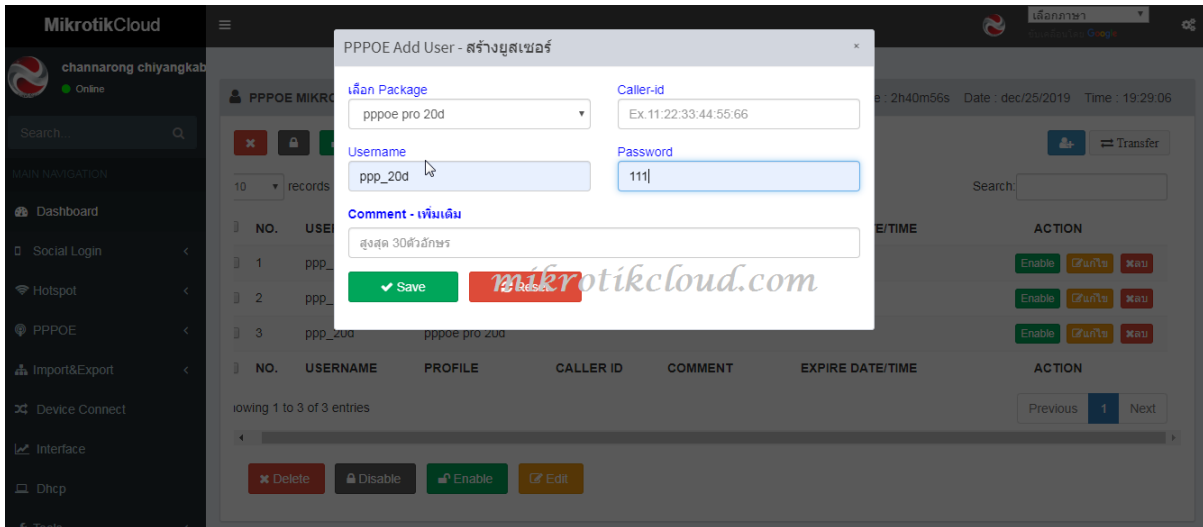
WINS Server:

- Change TCP MSS  
 default  no  yes

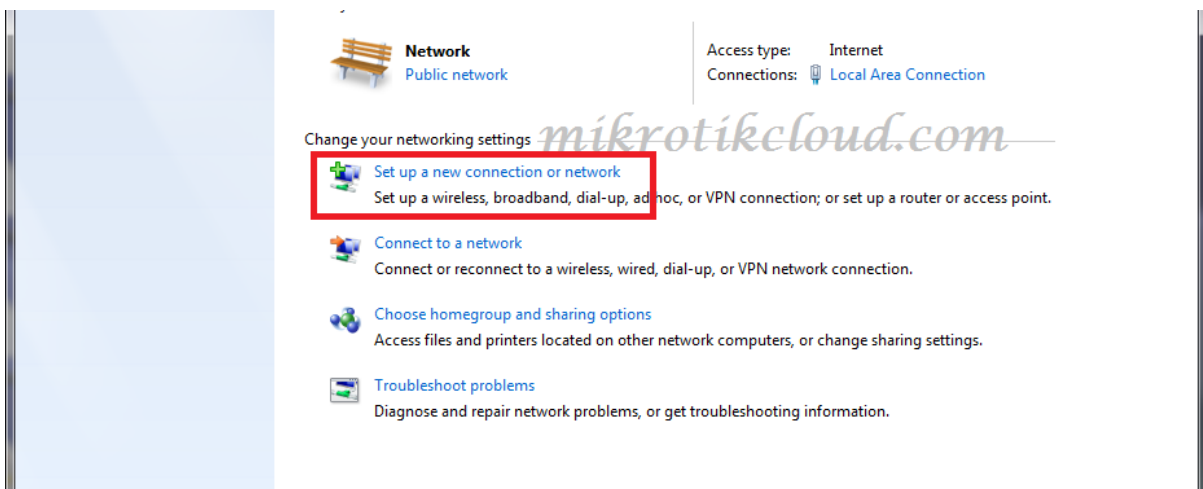
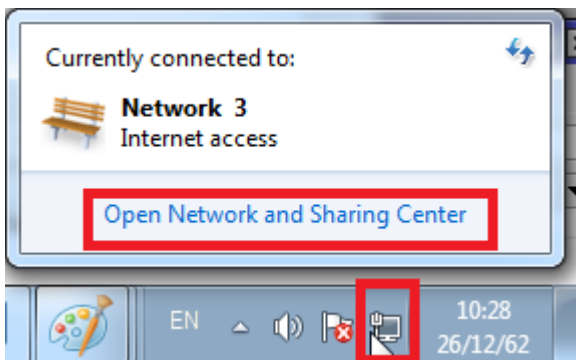
- Use UPnP  
 default  no  yes

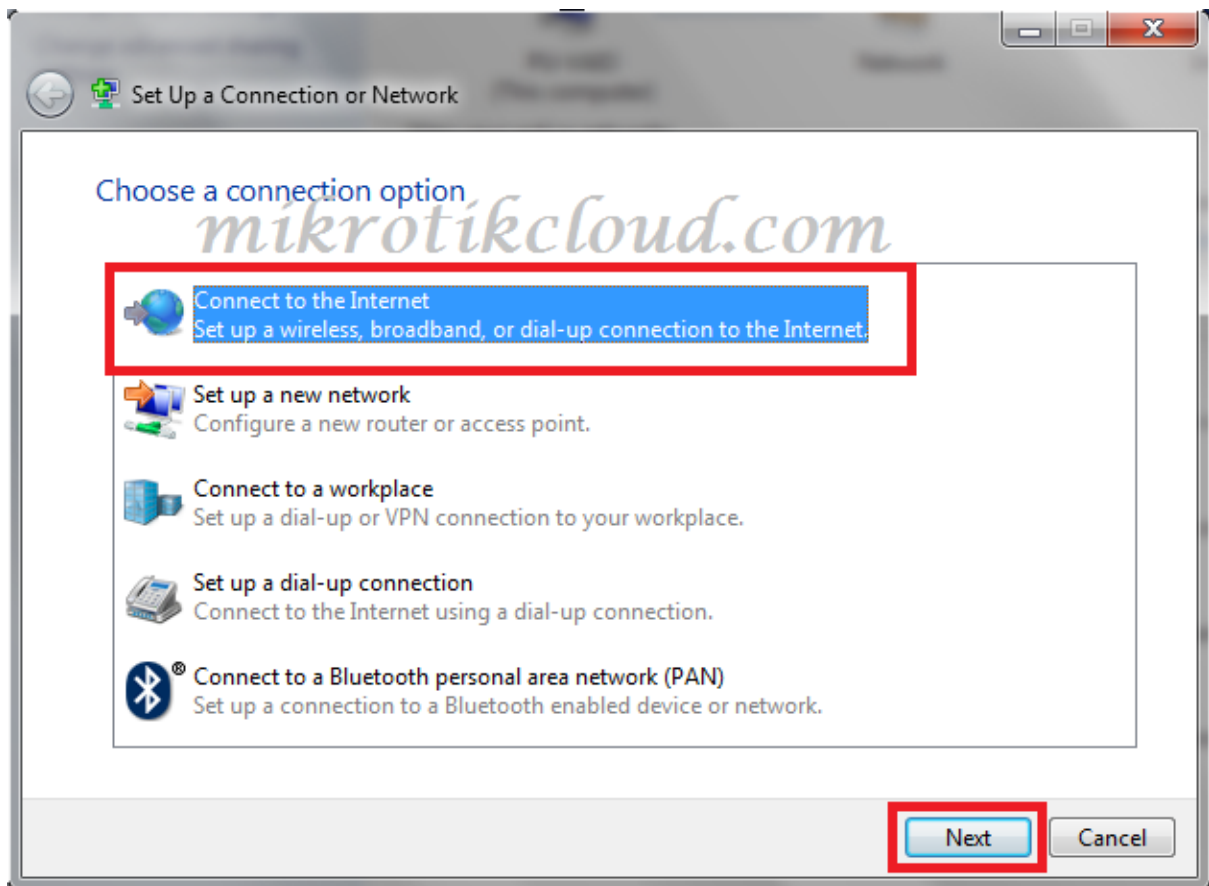
OK Cancel Apply Comment Copy Remove

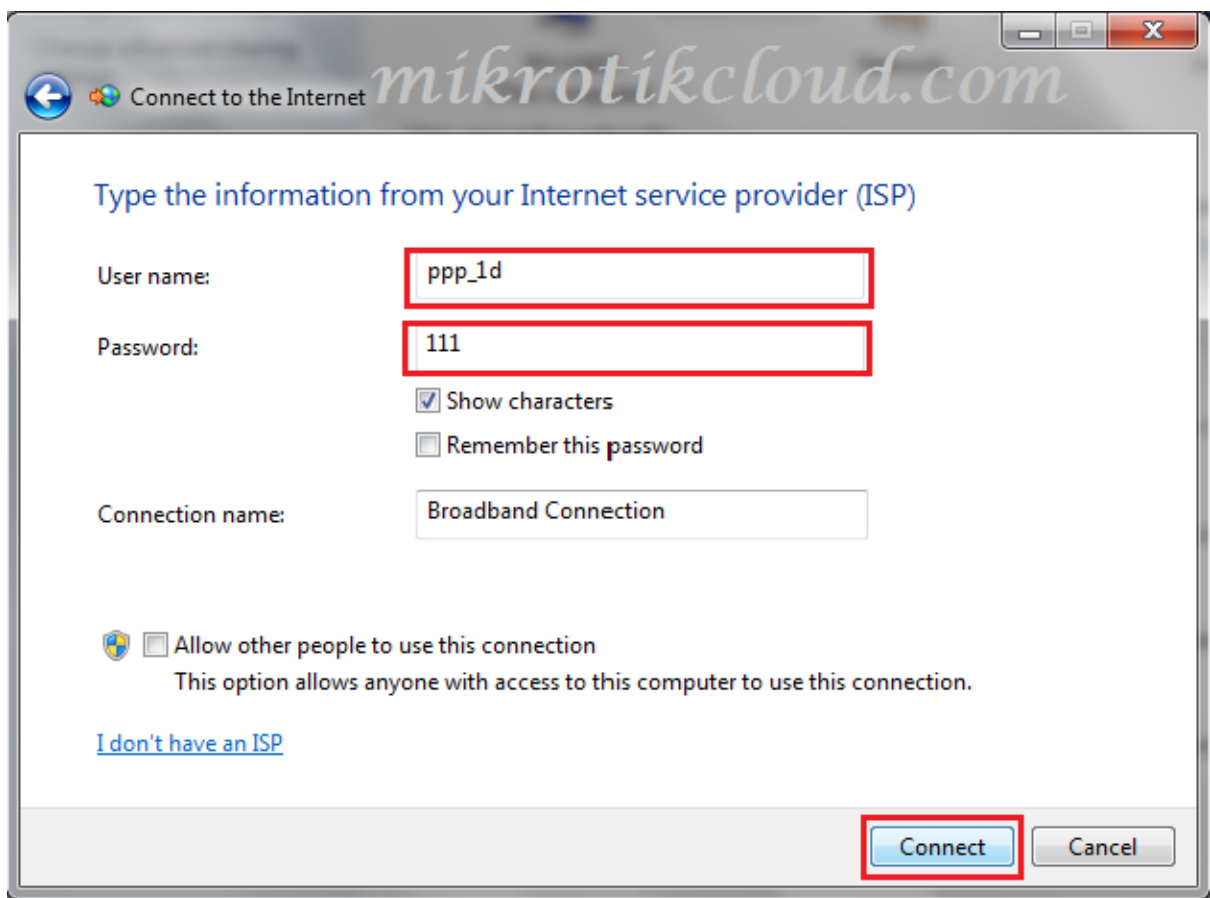
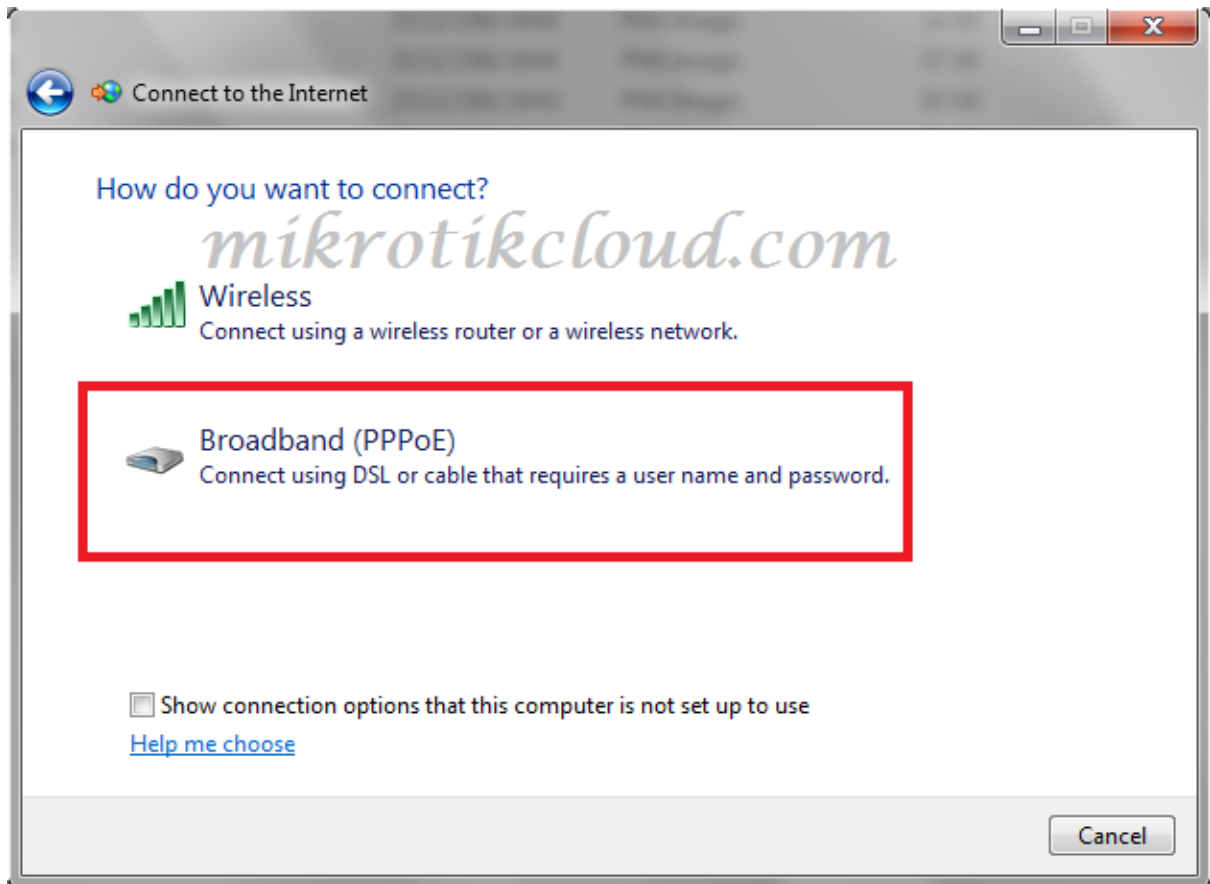
สร้าง user pppoe ตามต้องการที่หน้า pppoe add user



Tested into the pppoe client system for the first time.

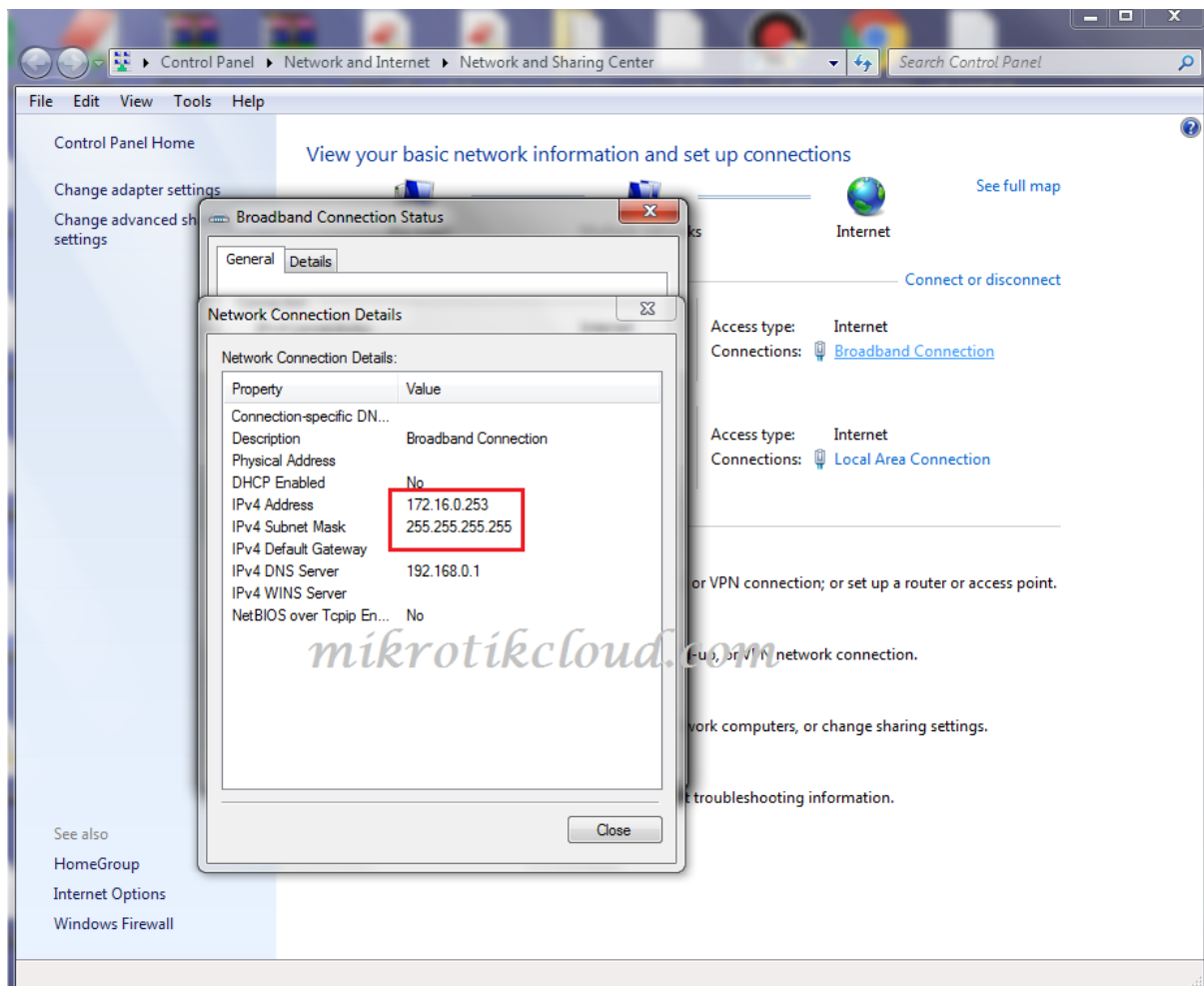








The IP received is in the pppoe-remote-pool.(172.16.0.1-172.16.0.254)



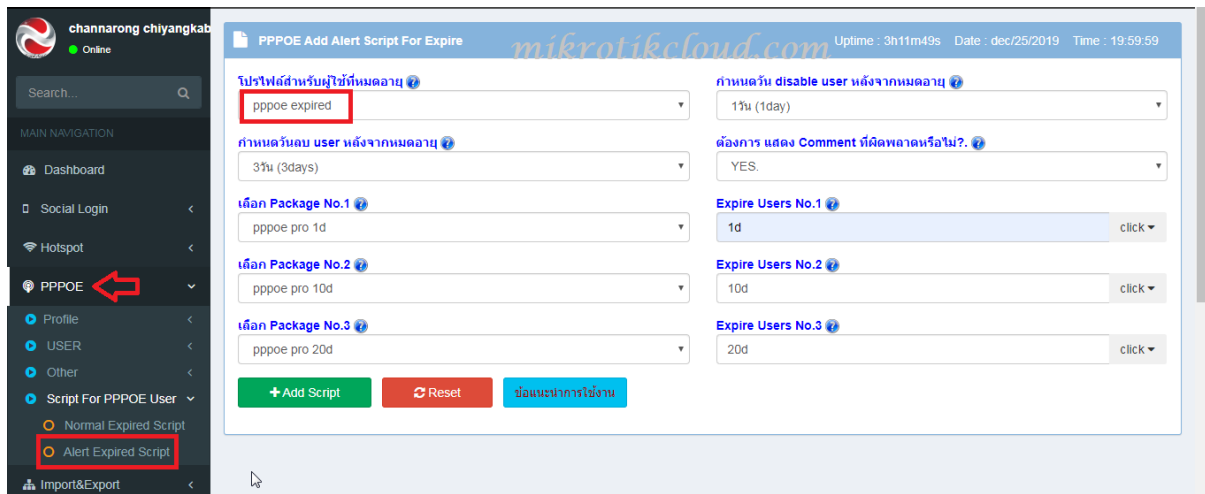
Get the specified internet speed



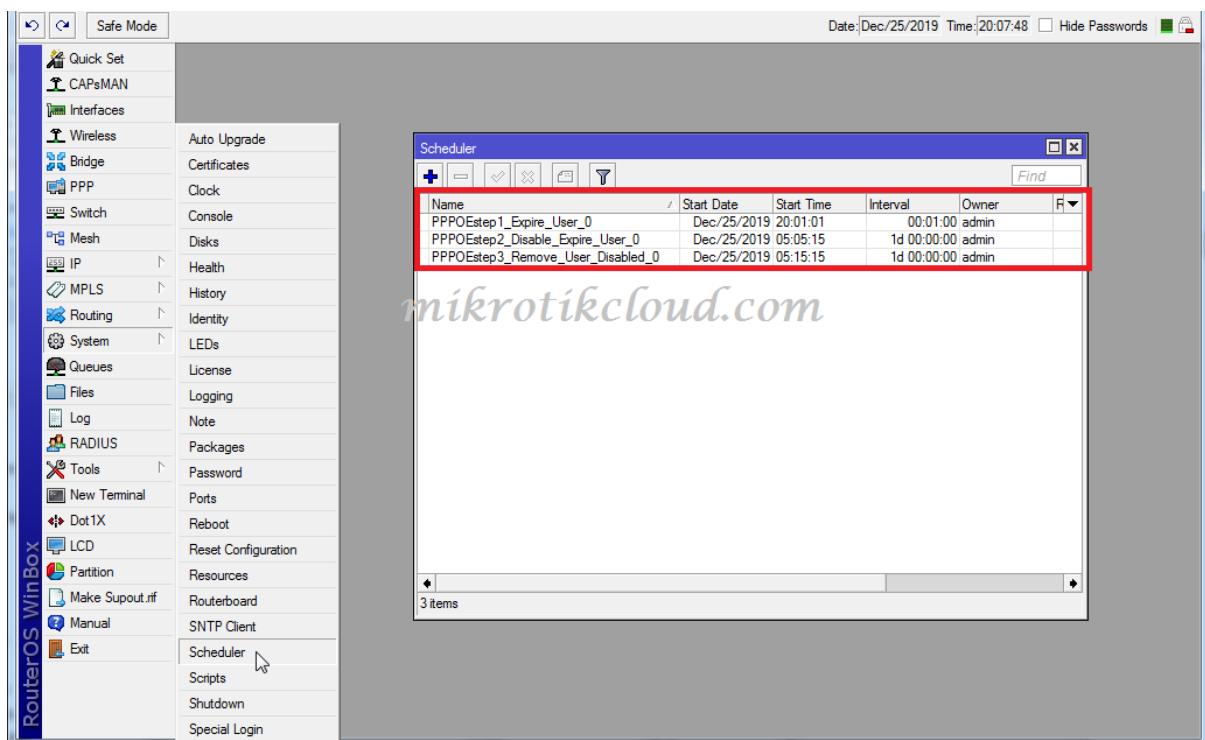
The first login will have a comment showing the date and time that the user

Name	Password	Service	Caller ID	Profile	Local Address	Remote Address	Last Logged Out
:::dec/25/2019 19:34:13							
ppp_1d	111	pppoe		pppoe pro 1d			Dec/25/2019 19:49:32
:::dec/25/2019 19:50:23							
ppp_10d	111	pppoe		pppoe pro 10d			Dec/25/2019 19:50:41
:::dec/25/2019 19:50:52							
ppp_20d	111	pppoe		pppoe pro 20d			Dec/25/2019 19:54:17

After normal use To build Scripts to manage expiration dates And alert when the end of use day



When completed, there will be 3 scripts created.



When expired, the system will change the profile and comment and will log out (disconnect) until reconnecting.

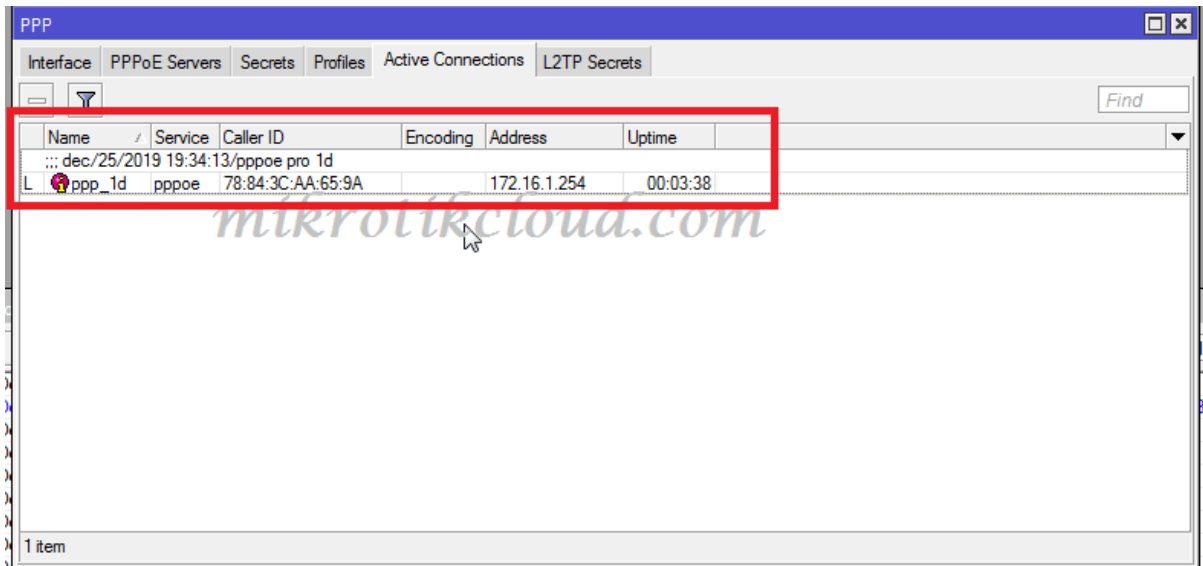
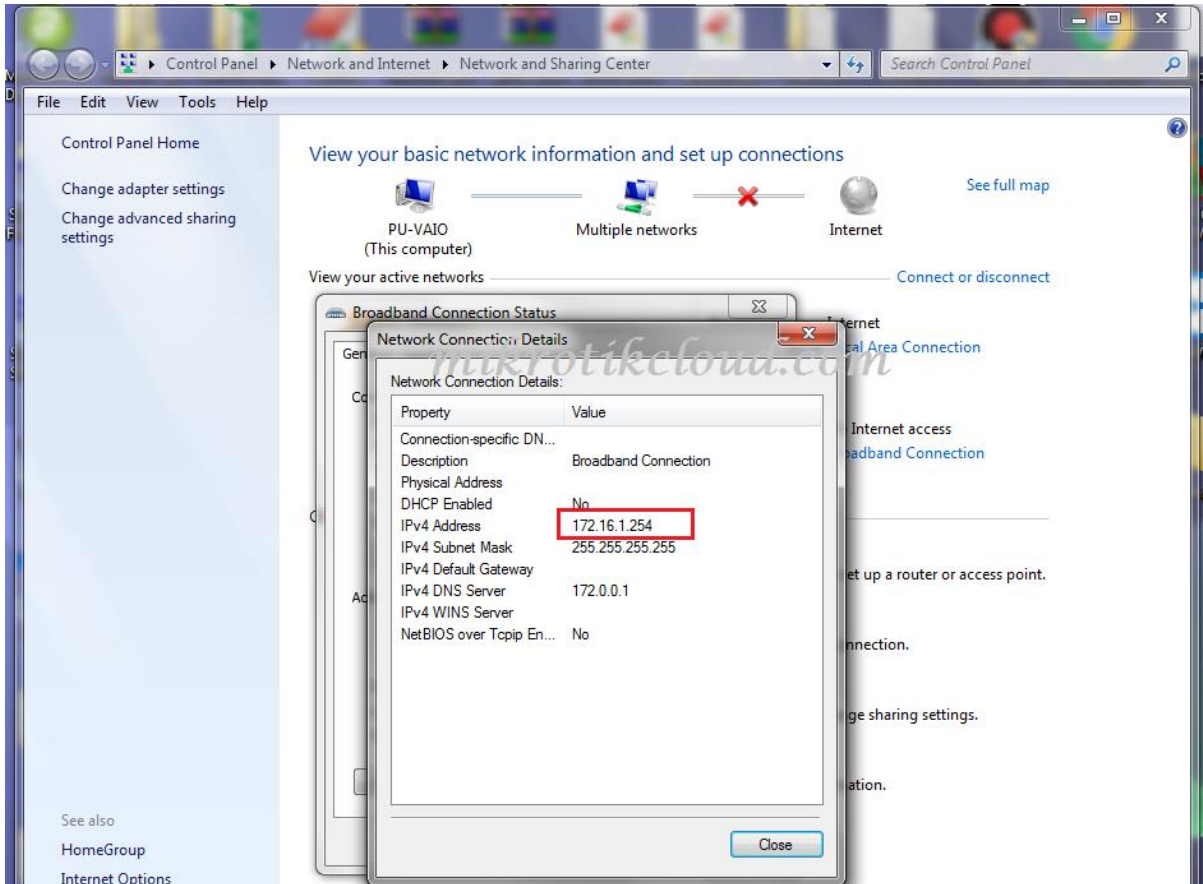
The screenshot displays the Mikrotik WinBox interface for PPP management. The 'Active Connections' tab is selected, showing a table of active sessions. A red box highlights the entry for 'ppp\_1d', which has a profile of 'ppp\_expired' and a last logged out time of 'Dec/26/2019 20:22:01'. Below the table, the system log shows a sequence of events. A red box highlights the log entry: 'Dec/26/2019 20:22:01 memory script, warning PPPOE EXPIRE SCRIPT: Profile pppoe pro 1d Set expire user :ppp\_1d first logged in dec/25/2019 19:34:13'. Other log entries show the user logging in, profile changes, and disconnection.

Name	Password	Service	Caller ID	Profile	Local Address	Remote Address	Last Logged Out
ppp_1d	111	pppoe		ppp_expired			Dec/26/2019 20:22:01
ppp_10d	111	pppoe		pppoe pro 10d			Dec/25/2019 19:50:41
ppp_20d	111	pppoe		pppoe pro 20d			Dec/26/2019 20:13:02

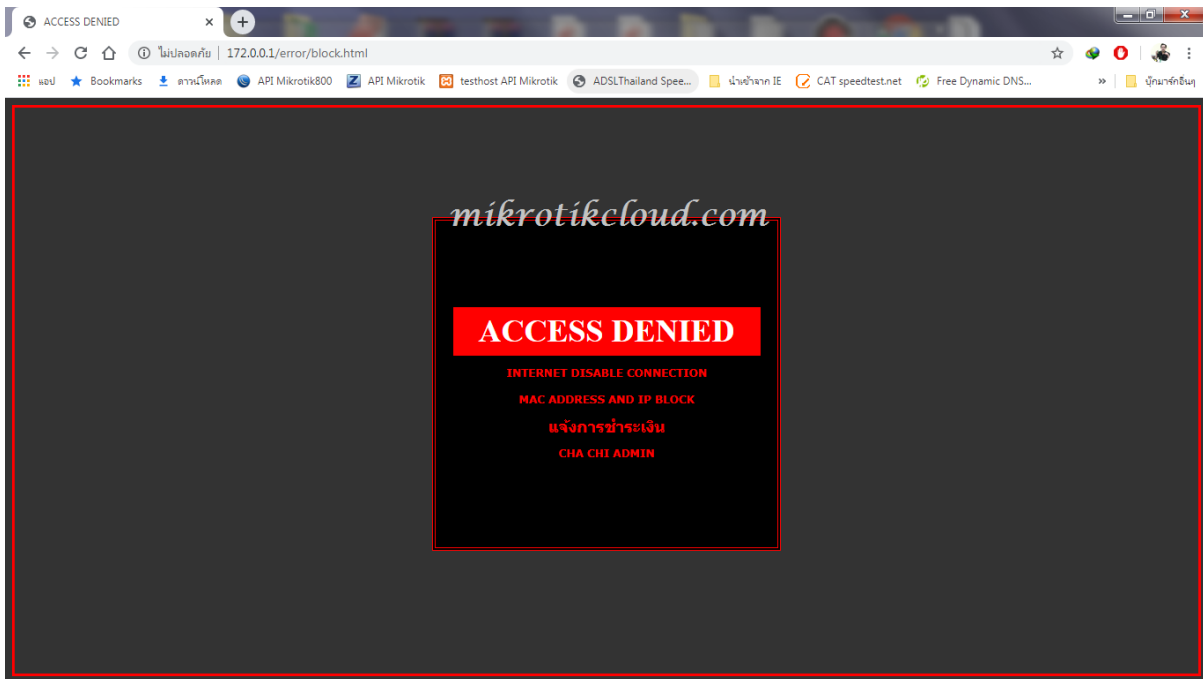
  

Time	Level	Category	Message
Dec/26/2019 20:22:01	memory	script, warning	PPPOE EXPIRE SCRIPT: Profile pppoe pro 1d Set expire user :ppp_1d first logged in dec/25/2019 19:34:13
Dec/26/2019 20:22:01	memory	pppoe, ppp, info	<pppoe-ppp_1d>: terminating...
Dec/26/2019 20:22:01	memory	system, info	ppp secret <ppp_1d> changed by admin
Dec/26/2019 20:22:01	memory	system, info	ppp secret <ppp_1d> changed by admin
Dec/26/2019 20:22:01	memory	pppoe, ppp, info, acc...	ppp_1d logged out, 70 131415 89860 390 297
Dec/26/2019 20:22:01	memory	pppoe, ppp, info	<pppoe-ppp_1d>: disconnected
Dec/26/2019 20:22:18	memory	pppoe, info	PPPoE connection established from 78:84:3C:AA:65:9A
Dec/26/2019 20:22:18	memory	pppoe, ppp, info, acc...	ppp_1d logged in, 172.16.1.253
Dec/26/2019 20:22:18	memory	pppoe, ppp, info	<pppoe-ppp_1d>: authenticated
Dec/26/2019 20:22:18	memory	pppoe, ppp, info	<pppoe-ppp_1d>: connected
Dec/26/2019 20:22:18	memory	script, info	user logged in: ppp_1d Address: 172.16.1.253 Mac: 78:84:3C:AA:65:9A

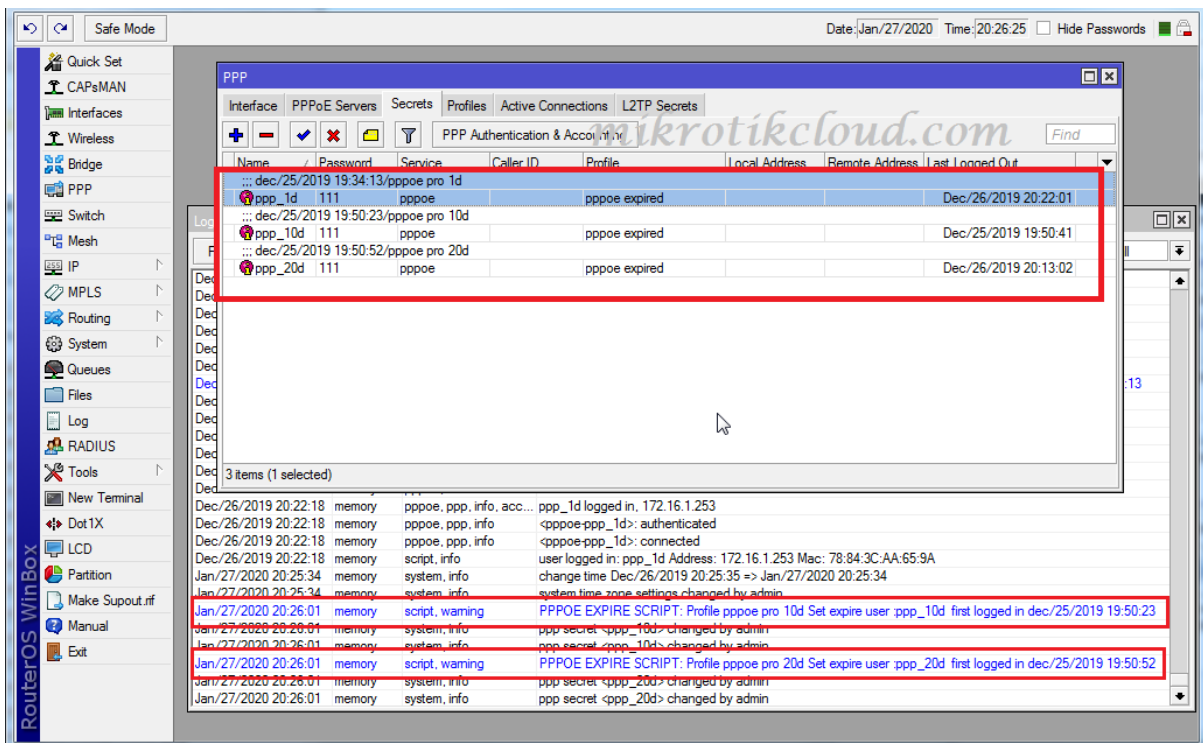
When reconnecting, you will see a new IP set up as an IP band.  
pppoe-expired-pool (172.16.1.1-172.16.1.254)



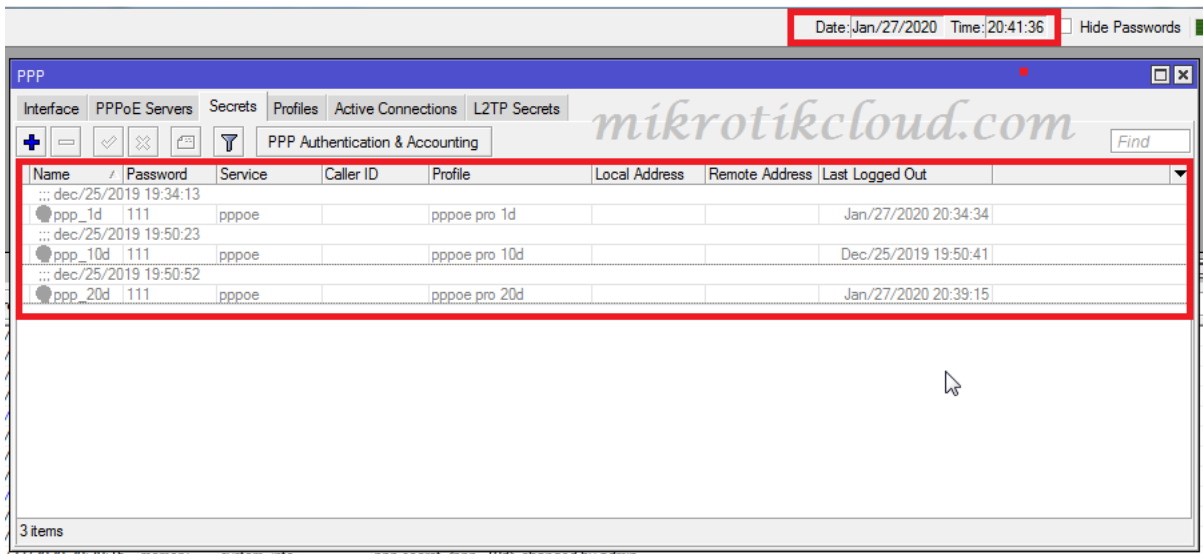
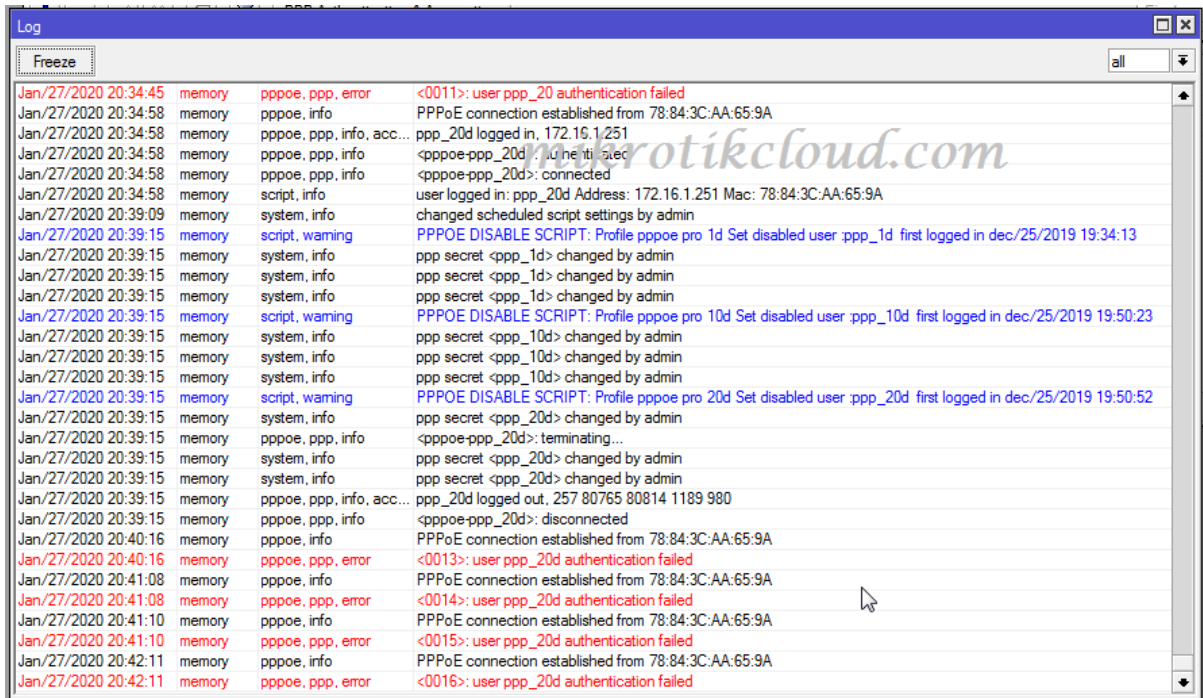
Will redirect the page to expire when accessing the web site.



Test date and time acceleration



When the second script is due, work will change the profile and comment back to the original.



## When the script deletes the user

The screenshot shows the Mikrotik WinBox interface for the PPP configuration window. The window title is "PPP" and it has several tabs: "Interface", "PPPoE Servers", "Secrets", "Profiles", "Active Connections", and "L2TP Secrets". The "Secrets" tab is selected, and the sub-tab is "PPP Authentication & Accounting". There is a "Find" search box on the right. Below the tabs is a table with columns: "Name", "Password", "Service", "Caller ID", "Profile", "Local Address", "Remote Address", and "Last Logged Out". The table is currently empty, with "0 items" displayed below it. At the bottom of the window, there is a log window showing system messages. The log entries are as follows:

Time	Source	Destination	Message
Jan/27/2020 20:42:11	memory	pppoe pro 10	changed scheduled script settings by admin
Jan/27/2020 20:43:37	memory	system, info	changed scheduled script settings by admin
Jan/27/2020 20:44:08	memory	system, info	changed scheduled script settings by admin
Jan/27/2020 20:44:15	memory	script, warning	PPPOE REMOVE SCRIPT:remove Profile pppoe pro 1d user ppp_1d first logged in dec/25/2019 19:34:13
Jan/27/2020 20:44:15	memory	system, info	ppp secret <ppp_1d> removed by admin
Jan/27/2020 20:44:15	memory	script, warning	PPPOE REMOVE SCRIPT:remove Profile pppoe pro 10d user ppp_10d first logged in dec/25/2019 19:50:23
Jan/27/2020 20:44:15	memory	system, info	ppp secret <ppp_10d> removed by admin
Jan/27/2020 20:44:15	memory	script, warning	PPPOE REMOVE SCRIPT:remove Profile pppoe pro 20d user ppp_20d first logged in dec/25/2019 19:50:52
Jan/27/2020 20:44:15	memory	system, info	ppp secret <ppp_20d> removed by admin