



云热点

# Free Public Wi-Fi

Mikrotik RouterOS Hotspot



# Clouds hotspot can be used in such places: Hotel, Coffee Shops, Malls ,companies, etc.

## 云热点应用相关场景

云热点非常适合以下场景使用，免去了询问无线密码的过程



### 酒店

酒店Wi-Fi何为重心?

大好假日来一场说走就走的旅行是绝大多数人所向往的，不过出行在外没有Wi-Fi怎么行?



### 咖啡厅

适用于咖啡厅的无线网络

随着网络在生活中扮演着越来越重要的角色，咖啡厅的网络服务对于咖啡厅来说具有举足轻重的作用。



### 商场

商场免费Wi-Fi创造消费商机

商场除为客户提供舒适、方便的购物环境条件外，还应该向顾客提供商品打折信息等。



### 中小企业

受中小企业青睐的Wi-Fi

当前，无线网络解决方案由于其组网灵活，成本低廉等特点得到了中小企业用户青睐。

### 丰富的认证方式



#### 手机验证

手机号码获取验证码

连上Wi-Fi打开网站,就会跳转至认证界面。根据手机号码获取验证码进行认证。

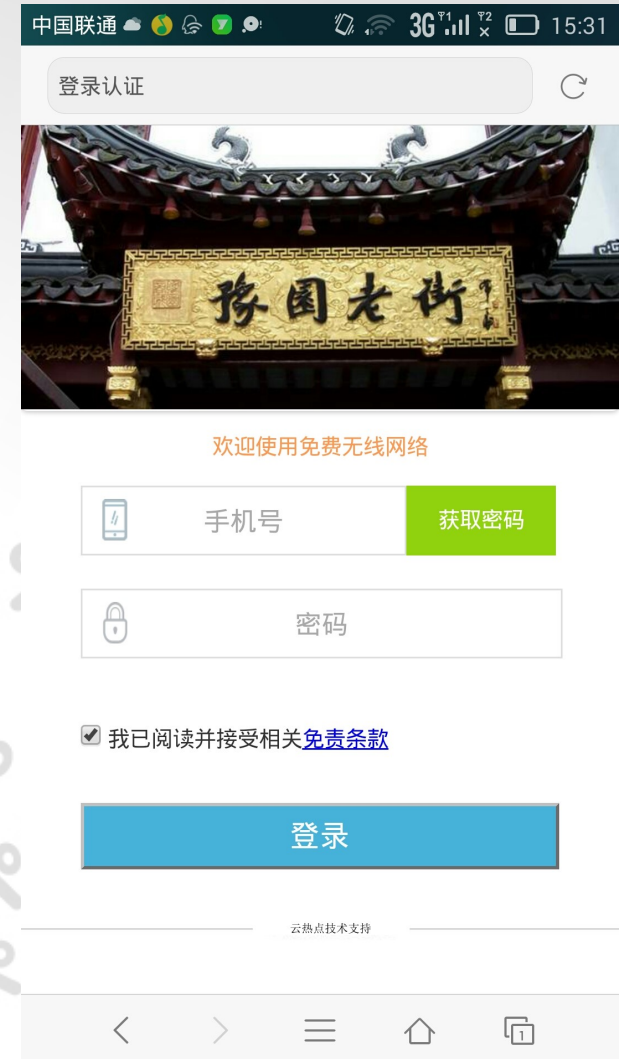
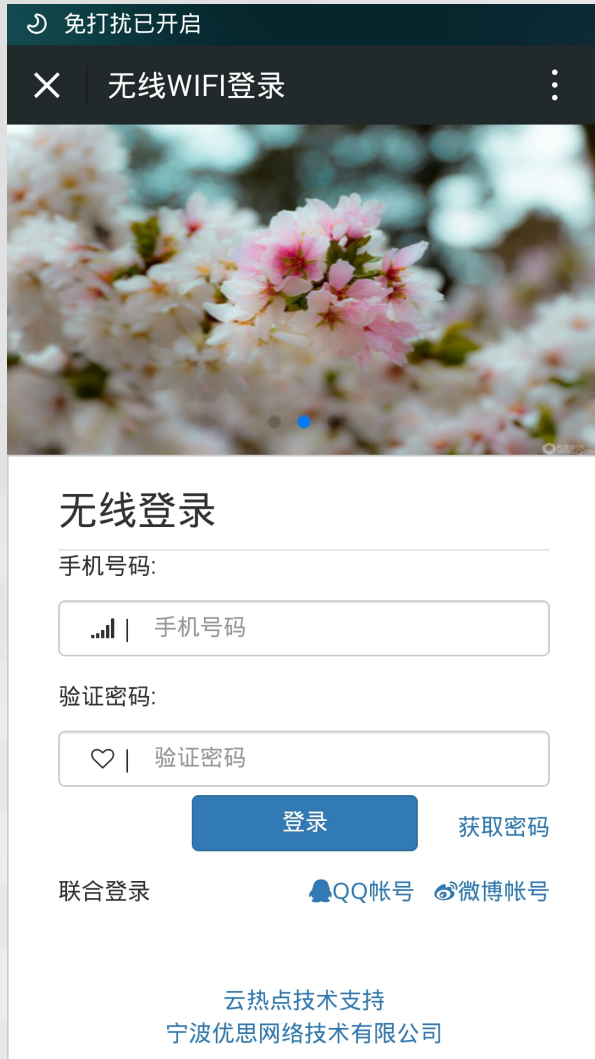


#### 微信连Wi-Fi

微信公众号运营吸粉

手机连上Wi-Fi微信一键关注公众号上网,电脑连上Wi-Fi微信扫一扫二维码上网。

# Cellphone Authentications



# Wechat Authentications



## The Free Wi-Fi Connection



- 1 connect wifi
- 2 website login
- 3 cellphone Authentication
- 4 Authentication succeed

Power by cloudshotspot

## The Free Wi-Fi Connection



- 1 Init wifi connection
- 2 Website login
- 3 Cellphone Authentication
- 4 Recive login password



Power by cloudshotspot

## Wechat Wi-Fi Connection



- 1 Connect Wifi
- 2 Website Login
- 3 Wechat Authentication
- 4 Authentication Succeed

Power by cloudshotspot



# Wechat Authentication



Register a user in the Website:  
<http://www.cloudshotspot.com>



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云热点

## Set up

云热点 管理面板

节点管理

序号	节点名称	节点密钥
7	星巴克咖啡一号店	c60c211ad9036778ed00e35103ad2df1

设置向导    增加节点

第一步

第二步：打开云热点设置向导

该界面展示了云热点管理系统的操作指南。左侧为功能菜单，其中“节点管理”项被选中并高亮。右侧主区域显示了“节点管理”列表，包含一列节点数据。下方有两个操作按钮：“设置向导”和“增加节点”，其中“设置向导”按钮被红色框选中，并有红色箭头指向它，标注为“第二步：打开云热点设置向导”。



## 设置向导

1. 创建节点

2. 填写用户

3. 完成

### 创建一个节点

请填写您要增加的节点信息，用于管理。

节点名称：

请输入节点名称,例:云热点测试

这里输入节点名称,方便管理

IP地址：

192.168.88.1

输入ros hotspot(网卡)服务的IP地址

认证完成跳转URL：

http://www.baidu.com

输入认证完成后跳转的网址

下一步»

都设置完成后点击下一步



云热点

节点密钥

增加时间

设置向导

1. 创建节点

2. 填写用户

3. 完成

### 填写用户信息

请填写ROS hotspot中的用户名与密码。  
此用户与hotspot中要一致ip->hotspot->users->

用户名

请输入用户名,例:user1

此用户名要与ros中的用户一致

密码

请输入密码

填写ros中用户的密码

确认密码:

请输入确认密码

确认ros中用户的密码

«上一步»

下一步»

填写完成后点击下一步

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云热点

## 设置向导

1. 创建节点

2. 填写用户

3. 完成

### 完成向导

成功将节点相关信息生成。

**恭喜您！**

请点击“下载”按钮下载节点文件。

下载



节点密钥	增加时间	到期时间
		未开通

### 设置向导

- 1. 创建节点
- 2. 填写用户
- 3. 完成

#### 完成向导

成功将节点相关信息生成。

恭喜您!

请点击“下载”

下载

点击下载按钮

新建高速下载

网址:

文件名:  未知大小

保存到:  剩余17.14GB

! "Alt+鼠标左键" 跳过此确认框, 下载更快捷!

修改为login.html 然后上传至ROS中

使用迅雷下载



云热点

## Hotspot Setup

admin@192.168.56.254 (MikroTik) - WinBox v5.20 on x86 (x86)

Safe Mode

Interfaces  
Wireless  
Bridge  
PPP  
Mesh  
IP  
IPv6  
MPLS  
Routing  
System  
Queues  
Files  
Log  
Radius  
Tools  
New Terminal  
ISDN Channels  
KVM  
Make Supout.rif  
Manual  
Exit

Hotspot Setup

Servers Server Profiles Users User Profiles Active Hosts IP Bindings Service Ports ...

Reset HTML Hotspot Setup Find

Interface	Address Pool	Profile	Address...
-----------	--------------	---------	------------

1

2

3

WinBox

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云热点

Hotspot

Servers Server Profiles Users User Profiles Active Hosts IP Bindings Service Ports ...

+ - ✓ ✕ Filter Reset HTML Hotspot Setup Find

Name	Interface	Address Pool	Profile	Address...
------	-----------	--------------	---------	------------

0 items

Hotspot Setup

Select interface to run HotSpot on

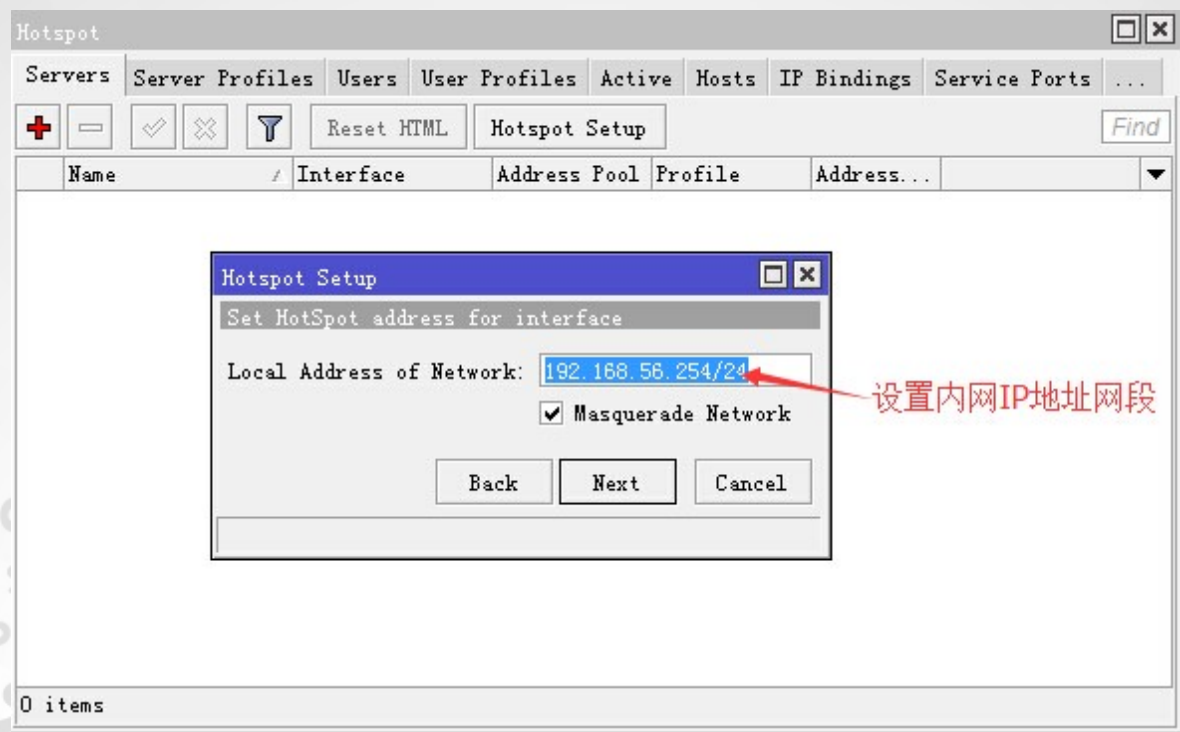
HotSpot Interface: ether1 ether1 ether2

Back Next Cancel

选择内网接口



云热点





云热点

Hotspot

Servers Server Profiles Users User Profiles Active Hosts IP Bindings Service Ports ...

+ - ✓ ✕ ⚙ Reset HTML Hotspot Setup Find

Name	Interface	Address Pool	Profile	Address...
------	-----------	--------------	---------	------------

Hotspot Setup

Set pool for HotSpot addresses

Address Pool of Network: 56.1-192.168.56.253

Back Next Cancel

0 items

设置IP地址范围



云热点

Hotspot

Servers Server Profiles Users User Profiles Active Hosts IP Bindings Service Ports ...

+ - ✓ ✕ Filter Reset HTML Hotspot Setup Find

Name	Interface	Address Pool	Profile	Address...
------	-----------	--------------	---------	------------

Hotspot Setup

Select hotspot SSL certificate

Select Certificate: none

Back Next Cancel

0 items

热点证书选择无



云热点

Hotspot

Servers Server Profiles Users User Profiles Active Hosts IP Bindings Service Ports ...

+ - ✓ ✗ ⏏ Reset HTML Hotspot Setup Find

Name	Interface	Address Pool	Profile	Address...
------	-----------	--------------	---------	------------

0 items

Hotspot Setup

Select SMTP server

IP Address of SMTP Server: 0.0.0.0

Back Next Cancel

默认



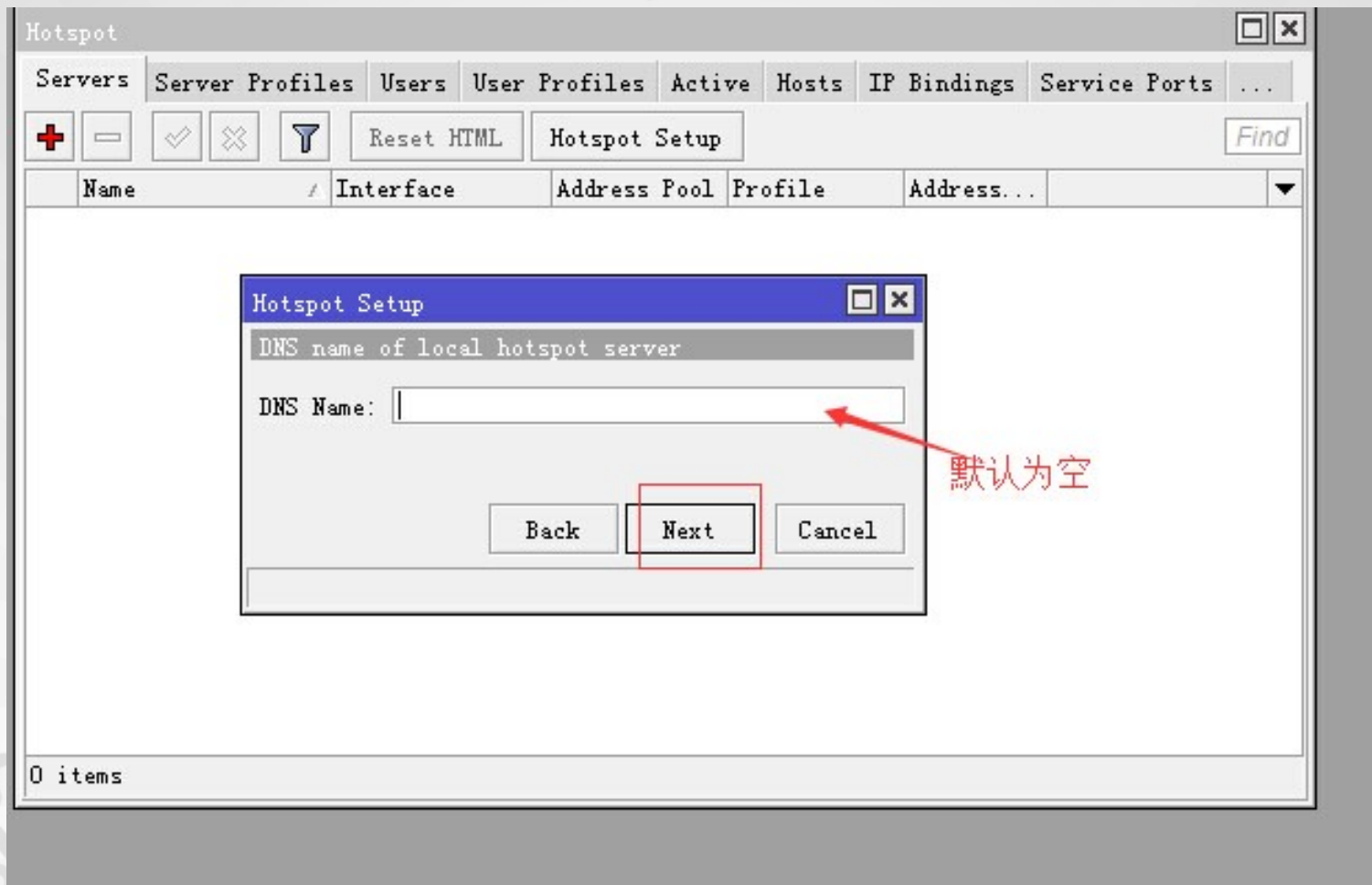
云热点

The screenshot shows a 'Hotspot' management window with several tabs: Servers, Server Profiles, Users, User Profiles, Active, Hosts, IP Bindings, and Service Ports. Below the tabs are control buttons: a plus sign, a minus sign, a checkmark, an 'X', a filter icon, 'Reset HTML', 'Hotspot Setup', and a 'Find' button. A table with columns 'Name', 'Interface', 'Address Pool', 'Profile', and 'Address...' is visible, but it is empty. A 'Hotspot Setup' dialog box is open in the foreground, titled 'Setup DNS configuration'. It contains a 'DNS Servers:' label followed by an empty text input field. Below the input field are three buttons: 'Back', 'Next', and 'Cancel'. The 'Next' button is highlighted with a red rectangular box. A red arrow points from the Chinese text '默认' (Default) to the 'Next' button. The status bar at the bottom of the main window shows '0 items'.

默认



云热点



admin@192.168.56.254 (MikroTik) - WinBox v5.20 on x86 (x86)

Safe Mode  Hide Passwords

RouterOS WinBox

- Interfaces
- Wireless
- Bridge
- PPP
- Mesh
- IP
- IPv6
- MPLS
- Routing
- System
- Queues
- Files
- Log
- Radius
- Tools
- New Terminal
- ISDN Channels
- KVM
- Make Supout.rif
- Manual
- Exit

### Hotspot

Servers | Server Profiles | Users | User Profiles | Active | Hosts | IP Bindings | Service Ports | ...

Reset HTML Hotspot Setup Find

Name	Interface	Address Pool	Profile	Address...
hotspot1	ether2	hs-pool-2	hsprofil	2

#### Hotspot Setup

Setup has completed successfully

OK

1 item





## Open the pap for Wechat Authentication(only)

The screenshot shows the Mikrotik WinBox interface with the following configuration steps highlighted by red arrows:

1. Selecting 'Hotspot' in the left sidebar.
2. Selecting the 'hsprofil' entry in the 'Server Profiles' table.
3. Selecting the 'HTTP PAP' checkbox in the 'RADIUS' tab of the 'Hotspot Server Profile' dialog.

Name	DNS Name	HTML Directory	Rate Limit (g...
default	hotspot	hotspot	
hsprofil	hotspot	hotspot	

Hotspot Server Profile <hsprofil>

General Login RADIUS

- Login By

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

MAC Auth. Password: \_\_\_\_\_

HTTP Cookie Lifetime: 3d 00:00:00

SSL Certificate: none

Split User Domain

Trial Uptime Limit: 00:00:05

Trial Uptime Reset: 00:00:10

Trial User Profile: default



## Input the username and password

admin@192.168.56.254 (MikroTik) - WinBox v5.20 on x86 (x86)

Safe Mode

Interfaces  
Wireless  
Bridge  
PPP  
Mesh  
IP  
IPV6  
MPLS  
Routing  
System  
Queues  
Files  
Log  
Radius  
Tools  
New Terminal  
ISDN Channels  
KVM  
Make Supout.rif  
Manual  
Exit

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

Hotspot

Server Profiles Users User Profiles Active Hosts IP Bindings Service Ports ...

Reset All Counters

Server	Name	Address	MAC Address	Profile	Uptime
all	admin			default	00:14:40
X all	123456			default	00:21:24

2 items

New Hotspot User

General Limits Statistics

Server: all

Name: user1 用户名

Password: 密码

Address:

MAC Address:

Profile: default

Routes:

Email:

OK  
Cancel  
Apply  
Disable  
Comment  
Copy  
Remove  
Reset All Counters

enabled

1 2 3 4 5



## Set the Shared Users to Null

Hotspot

Users User Profiles Active Hosts IP Bindings Service Ports Walled Garden ...

Name	Session T...	Idle Timeout	Shared...	Rate Limit (r...
* default			none	

Hotspot User Profile <default>

General Advertise Scripts

Name: default

Address Pool: none

Session Timeout: [ ]

Idle Timeout: none

Keepalive Timeout: 00:02:00

Status Autorefresh: 00:01:00

Shared Users: [ ]

Rate Limit (rx/tx): [ ]

Address List: [ ]

Incoming Filter: [ ]

Outgoing Filter: [ ]

Incoming Packet Mark: [ ]

Outgoing Packet Mark: [ ]

Open Status Page: always

Transparent Proxy

OK Cancel Apply Copy Remove

1 item (1 selected)

1 2 3 4 设置为空



# Upload the login.html

admin@192.168.56.254 - FileZilla

文件(F) 编辑(E) 查看(V) 传输(T) 服务器(S) 书签(B) 帮助(H) 有新版本了!(N)

主机(H): 192.168.56.254 用户名(U): admin 密码(W): 端口(P): 快速连接(Q)

响应: 250 CWD command successful  
命令: PWD  
响应: 257 "/hotspot" is current directory  
状态: 跳上传 D:\Documents\Downloads\login.html  
状态: 文件传输被跳过

本地站点: D:\Documents\Downloads\  
远程站点: /hotspot

选择hotspot目录

重命名为login.html, 然后上传覆盖。

1 输入IP地址,用户名,密码, 然后点连接

2 选择hotspot目录

3 重命名为login.html, 然后上传覆盖。

文件名	文件大小	文件类型	最近修改
..			
status.html	3,009	UC HTML ...	2014/12/28 23:1
rlogin.html	850	UC HTML ...	2014/12/28 23:1
redirect.html	318	UC HTML ...	2014/12/28 23:1
radvert.html	1,481	UC HTML ...	2014/12/28 23:1
md5.js	7,218	JS 文件	2014/12/28 23:1

10 个文件和 3 个目录。大小总计: 23,857 字节

队列的文件 失败的传输 成功的传输 (1)

队列: 空



云热点

Put all the following code to routers terminal

核心放行URL（必需）

```
/ip hotspot walled-garden add dst-host=*.cloudspot.com
```

附加功能放行url(可选)

注意:以下URL都是可选的,如果需要以下描述功能.请进行选择添加

微信认证需要放行的地址:

```
/ip hotspot walled-garden add dst-host=dns.weixin.qq.com
```

```
/ip hotspot walled-garden add dst-host=punch.weixin.qq.com
```

```
/ip hotspot walled-garden add dst-host=voip.weixin.qq.com
```

```
/ip hotspot walled-garden add dst-host=short.weixin.qq.com
```

```
/ip hotspot walled-garden add dst-host=*.weixin.qq.com
```

```
/ip hotspot walled-garden add dst-host=long.weixin.qq.com
```

```
dst-port=80,443
```

```
/ip hotspot walled-garden add dst-host=wifi.weixin.qq.com dst-  
port=80,443
```

```
/ip hotspot walled-garden add dst-host=*.qq.com dst-port=443
```

```
/ip hotspot walled-garden add dst-host=mmsns.qpic.cn
```

```
/ip hotspot walled-garden ip add protocol=6 dst-port=8080
```

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Copy all the above code url and paste

The screenshot shows the Mikrotik WinBox interface. The terminal window displays the following ASCII art:

```
MMM      MMM      KKK                      TTTTTTTTTT      KKK
MMM     MMM     KKK                      TTTTTTTTTT      KKK
MMM MMMM MMM III KKK KKK RRRRRR      OOOOOO      TTT      III KKK KKK
MMM MM  MMM III KKKKK RRR RRR  OOO OOO  TTT      III KKKKK
MMM      MMM III KKK KKK RRRRRR      OOO OOO  TTT      III KKK KKK
MMM      MMM III KKK KKK RRR RRR  OOOOOO      TTT      III KKK KKK
```

Below the ASCII art, the terminal shows the Mikrotik RouterOS 5.20 (c) 1999-2012 copyright notice and the website <http://www.mikrotik.com/>. The prompt is `[admin@MikroTik] >`.

A context menu is open over the terminal, with the following options: Copy, Copy Screen, Copy All, and Paste. A red arrow points to the 'Paste' option, and another red arrow points to the 'New Terminal' option in the left sidebar.

右键单击选择,将复制的地址粘贴并回车。



云热点

# Thanks for Listening!

宁波优思网络技术有限公司

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优思网络

URL:<http://www.cloudshotspot.com>