

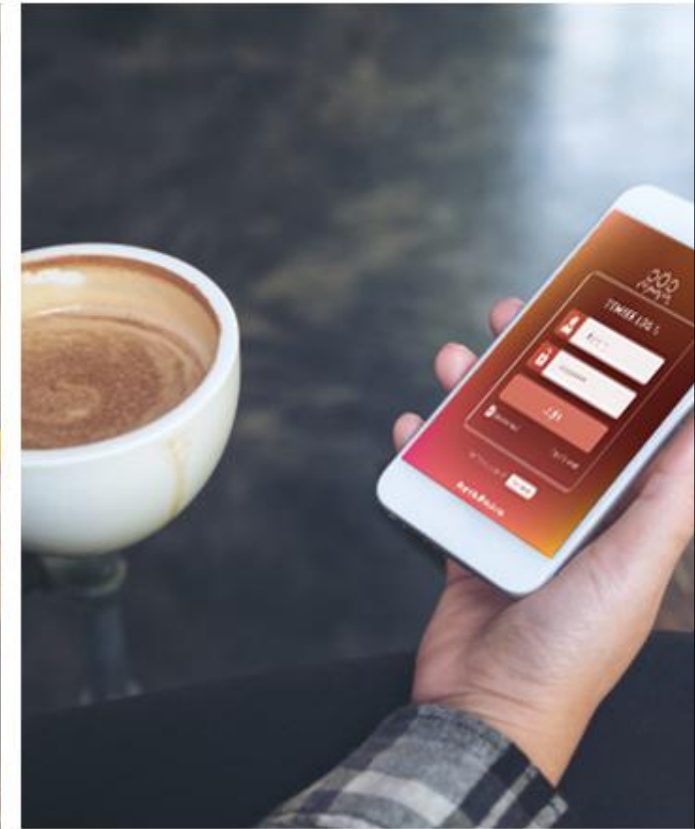


# MikroTik Hotspot

Customizing Hotspot with  
User Manager and External  
RADIUS Server

**20**  
YEARS  
SYNCHROWEB TECHNOLOGY

**SYNCHROWEB**  
TECHNOLOGY





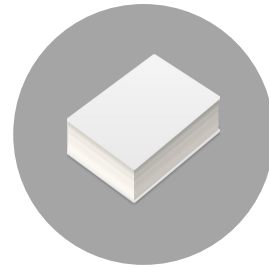
## What is Hotspot?

- A hotspot is a physical location where people may obtain Internet access, typically using Wi-Fi technology, via a wireless local area network (WLAN) using a router connected to an internet service provider.

# Where can you have Hotspot?



Airports



Bookstores



Coffee shops  
and restaurants



Department  
stores



Hotels



Schools and  
universities

# Why you need Hotspot?

To provide  
Internet access for  
your guests/users

As a monetization  
platform

As a marketing  
platform

User data  
collection

To control user  
usage

# Mikrotik Hotspot Features



Options between using the built in hotspot gateway (User Manager) or external RADIUS server



Different authentication methods



Landing page customization



Walled-garden system



Different user profiling

# How to set up Mikrotik Hotspot?

- Simplest way – run the Hotspot Setup Wizard under IP – Hotspot menu

The image shows two screenshots from the Mikrotik WinBox interface. The left screenshot shows the main menu with 'IP' and 'Hotspot' highlighted by red boxes. A red arrow points from the 'Hotspot' menu item to the right screenshot. The right screenshot shows the 'Hotspot' configuration window with the 'Servers' tab selected and 'Hotspot Setup' button highlighted by a red box. A red arrow points from the 'Hotspot Setup' button to the text 'GO TO SERVERS TAB AND CLICK HOTSPOT SETUP'.

GO TO IP - HOTSPOT

GO TO SERVERS TAB AND CLICK HOTSPOT SETUP

Name	Interface	Address Pool	Profile	Addresses ...
Guest_WiFi	vlan200	vlan_200	Guest_WiFi	1

# Hotspot Parameters



Hotspot interface



Gateway IP and DHCP pool



SSL certificate



SMTP server



DNS server



DNS name



Local hotspot user

# Server Profile

admin@B8:69:F4:75:9D:34 (MikroTik) - WinBox v6.44.3 on RB2011UiAS-2HnD (mipsbe)

Session Settings Dashboard

Safe Mode Session: B8:69:F4:75:9D:34

- Quick Set
- CAPsMAN
- Interfaces
- Wireless
- Bridge
- PPP
- Switch
- Mesh
- IP
- MPLS
- Routing
- System
- Queues
- Files
- Log
- RADIUS
- Tools
- New Terminal
- LCD
- MetaROUTER
- Partition
- Make Supout.tif
- Manual
- New WinBox
- Exit

Hotspot

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

Name	DNS Name	HTML Directory	Rate Limit (p/x/tx)
default		hotspot	
hsprof1	wifi.login	hotspot	

Hotspot Server Profile <hsprof1>

General Login RADIUS

Name: hsprof1

Hotspot Address: 192.168.20.1

DNS Name: wifi.login

HTML Directory: hotspot

HTML Directory Override:

Rate Limit (p/x/tx):

HTTP Proxy:

HTTP Proxy Port: 0

SMTP Server:

OK Cancel Apply Copy Remove

2 items (1 selected)



# User Creation

admin@B8:69:F4:75:9D:34 (MikroTik) - WinBox v6.44.3 on RB2011UiAS-2HnD (mipsbe)

Session Settings Dashboard

Safe Mode Session: B8:69:F4:75:9D:34

Quick Set  
CAPsMAN  
Interfaces  
Wireless  
Bridge  
PPP  
Switch  
Mesh  
IP  
MPLS  
Routing  
System  
Queues  
Files  
Log  
RADIUS  
Tools  
New Terminal  
LCD  
MetaROUTER  
Partition  
Make Supout.rif  
Manual  
New WinBox  
Exit

Hotspot

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

+ - ✓ ✗ 📄 🔍 00 Reset Counters 00 Reset All Counters Find

Server	Name	Password	Address	MAC Address	Profile	Uptime
::: counters and limits for trial users						
all	user1	user1			default	00:00:00

2 items (1 selected)

Hotspot User <user1>

General Limits Statistics

Server: all

Name: user1

Password: user1

Address: [dropdown]

MAC Address: [dropdown]

Profile: default

Routes: [dropdown]

Email: [dropdown]

OK  
Cancel  
Apply  
Disable  
Comment  
Copy  
Remove  
Reset Counters  
Reset All Counters

enabled

1. Go to Users and add new

2. Select server and create Name and Password

# Profile Creation

admin@B8:69:F4:75:9D:34 (MikroTik) - WinBox v6.44.3 on RB2011UiAS-2HnD (mipsbe)

Session Settings Dashboard

Safe Mode Session: B8:69:F4:75:9D:34

1. Go to User Profiles and add new

Hotspot

Name	Session Time...	Idle Timeout	Shared U...	Rate Limit (rx/tx)
default	05:00:00	none	1000	2M/2M

2. Set Name  
3. Set Session Timeout - Time usage for user  
4. Set Idle Timeout  
5. Set Keepalive Timeout  
6. Set Shared Users for simultaneous use  
7. Set Rate limit for speed limit  
8. MAC Cookie to avoid re-authentication

Hotspot User Profile <default>

General Queue Scripts

Name: default  
Address Pool: none  
Session Timeout: 05:00:00  
Idle Timeout: none  
Keepalive Timeout: 00:02:00  
Status Autorefresh: 00:01:00  
Shared Users: 1000  
Rate Limit (rx/tx): 2M/2M  
 Add MAC Cookie  
MAC Cookie Timeout: 3d 00:00:00  
Address List:  
Incoming Filter:  
Outgoing Filter:  
Incoming Packet Mark:  
Outgoing Packet Mark:  
Open Status Page: always  
 Transparent Proxy

OK  
Cancel  
Apply  
Copy  
Remove

default

# Other Tabs

admin@B8:69:F4:75:9D:34 (MikroTik) - WinBox v6.44.3 on RB2011UiAS-2HnD (mipsbe)

Session Settings Dashboard

Safe Mode Session: B8:69:F4:75:9D:34

Quick Set  
CAPsMAN  
Interfaces  
Wireless  
Bridge  
PPP  
Switch  
Mesh  
IP  
MPLS  
Routing  
System  
Queues  
Files  
Log  
RADIUS  
Tools  
New Terminal  
LCD  
MetaROUTER  
Partition  
Make Supout.tif  
Manual

Active - authenticated user  
Hosts - non-authenticated user  
IP Bindings - to bypass user MAC/IP

Walled Garden - to bypass URL/domain/IP

Cookies - MAC Cookies List

Hotspot

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

Server	User	Domain	Address	Uptime	Idle Time	Session Time ...	Rx Rate	Tx Rate
0 items								

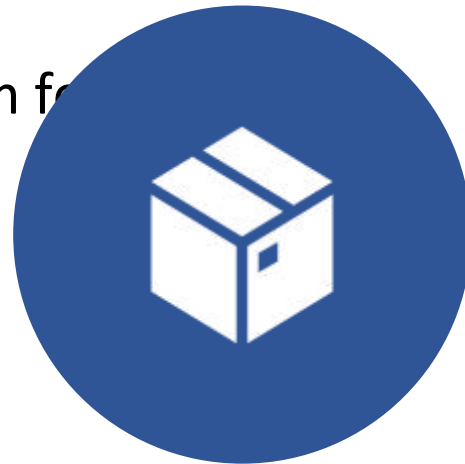
# Mikrotik User Manager



Management system for  
Hotspot users

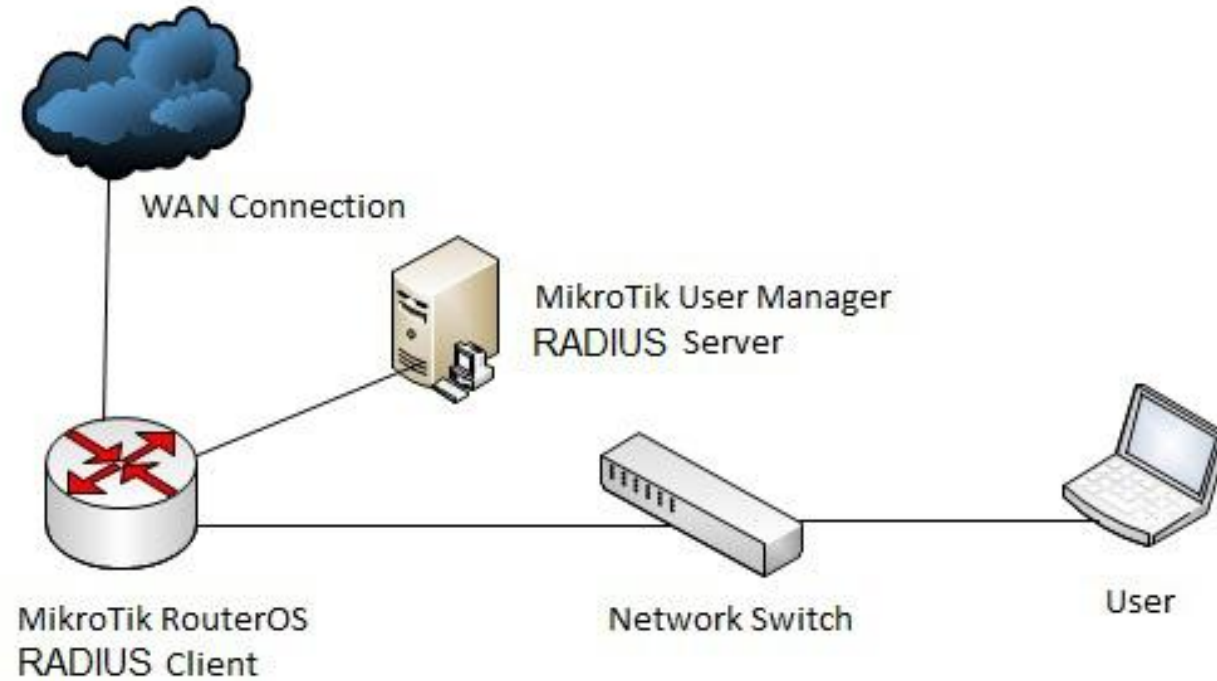


RADIUS server



Separate package for  
Router OS

# Basic topology



# Mikrotik User Manager Requirements



Same RouterOS and User Manager version package



RouterOS architecture - MIPSLE, MIPSBE, TILE, PPC, ARM, x86 and MMIPS processor based routers and CHR devices



Minimum 32MB RAM and 2MB HDD

# Getting Started



Download User Manager package under Extra packages from Mikrotik website download section



Install by uploading the package into router and reboot the router



Create the admin by terminal - `/tool user-manager customer> add login="admin" password="PASSWORD" permissions=owner`

# Using Web Interface

- Web browser – <http://router-IP-address/userman>
- Login using customer account



The screenshot shows the MikroTik User Manager web interface. At the top, the MikroTik logo is displayed above the text "Mikrotik User Manager". Below this, there are two input fields: "Login:" followed by a text box, and "Password:" followed by a text box. A "Log in" button is positioned below the password field.



# Creating Customers (User Manager admin)

The screenshot displays the Pacific Express Chinatown PXCT User Manager interface. On the left, a navigation menu includes 'Routers', 'Users', 'Sessions', 'Customers', 'Logs', 'Payments', 'Profiles', 'Settings', 'Reports', '0 A sessions', '0 A users', 'Advanced search', 'Maintenance', and 'Logout'. The 'Customers' menu item is highlighted with a red box, and a red arrow points to it with the text 'Go to Customers'. At the top of the main content area, there are 'Add' and 'Edit' buttons, with the 'Add' button highlighted by a red box and a red arrow pointing to it with the text 'Click Add'. Below these buttons is a table with columns for 'Login', 'Parent', 'Permissions', and 'Public ID'. The 'Login' column contains the value 'admin'. A 'Customer details' modal window is open, showing a form with the following fields: 'Login' (admin), 'Password' (masked with dots), 'Disabled' (checkbox), 'Parent' (admin), 'Permissions' (Owner), 'Public ID', and 'Public host'. The 'Backup allowed' checkbox is checked. Under the 'Access' section, several checkboxes are checked: 'Own routers', 'Own users', 'Own profiles', 'Own limitations', 'Configure payment gateways', and 'Use parent payment gateways'. The 'Private information' section includes fields for 'Company', 'City', 'Country', and 'Email'. A red arrow points to the 'Permissions' dropdown menu with the text 'Create new admin with roles'. At the bottom left of the modal, there is a 'Signup options' section.

# Users – Authentication to Internet

The screenshot displays the Pacific Express PXCT User Manager interface. On the left is a navigation menu with 'Users' highlighted. The main area shows a table of users with columns for Username, Till time, and Total time left. The 'Add' button is highlighted in red. A 'User details' dialog box is open on the right, showing configuration options for a user profile, with a red box around it and an arrow pointing to it from the text 'create users with profile'.

**Go to Users**

**Add by one or batch**

	Username	Till time	Total time left
<input type="checkbox"/>	guest	Unlimited	Unlimited
<input checked="" type="checkbox"/>	pxcte55vck	Unlimited	Unlimited
<input type="checkbox"/>	pxct5ezk4p	Unlimited	Unlimited
<input type="checkbox"/>	pxctasazxh	Unlimited	Unlimited
<input type="checkbox"/>	pxct4n3t7u	Unlimited	Unlimited
<input type="checkbox"/>	pxctyxt66v	Unlimited	Unlimited
<input type="checkbox"/>	pxctus8uvq	Unlimited	Unlimited
<input type="checkbox"/>	pxct4dzbnm	Unlimited	Unlimited
<input type="checkbox"/>	pxctfcynxr	Unlimited	Unlimited
<input type="checkbox"/>	pxcturuiu3	Unlimited	Unlimited
<input type="checkbox"/>	pxctq39jju	Unlimited	Unlimited
<input type="checkbox"/>	pxctqby3aj	Unlimited	Unlimited
<input type="checkbox"/>	pxct68uem7	Unlimited	Unlimited
<input type="checkbox"/>	pxctz2avtb	Unlimited	Unlimited
<input type="checkbox"/>	pxctnfu3qs	Unlimited	Unlimited
<input type="checkbox"/>	pxct7dk3mu	Unlimited	Unlimited
<input type="checkbox"/>	pxctb6pbjg	Unlimited	Unlimited
<input type="checkbox"/>	pxct77auub	Unlimited	Unlimited
<input type="checkbox"/>	pxctzypqyv	Unlimited	Unlimited
<input type="checkbox"/>	pxctmy9h4c	Unlimited	Unlimited

**User details**

Owner: admin

Number of users: 1

Username prefix:

Username length: 6

Pwd same as login:

Password length: 6

Constraints

Wireless

Private information

Assign profile: guest

Add

**user list**

**create users with profile**

[20]

# Sample Voucher

<b>PXCT Guest WiFi</b>		<b>PXCT Guest WiFi</b>		<b>PXCT Guest WiFi</b>	
<b>Device per ID:</b>	<b>2</b>	<b>Device per ID:</b>	<b>2</b>	<b>Device per ID:</b>	<b>2</b>
<b>Prepaid time:</b>	<b>Unlimited</b>	<b>Prepaid time:</b>	<b>Unlimited</b>	<b>Prepaid time:</b>	<b>Unlimited</b>
<b>Username:</b>	<b>pxcte55vck</b>	<b>Username:</b>	<b>pxct5ezk4p</b>	<b>Username:</b>	<b>pxctasazxh</b>
<b>Password:</b>	<b>7s9u6x</b>	<b>Password:</b>	<b>s7un5v</b>	<b>Password:</b>	<b>ez3ajj</b>
<p style="text-align: center;"><u>~ How to Use This Voucher Code ~</u></p> <p>Connect to SSID "PXCT_Guest" and log in with the given username &amp; password To logout, simply type <a href="http://pacificexpress.wifi/status">http://pacificexpress.wifi/status</a> in your device's browser</p>		<p style="text-align: center;"><u>~ How to Use This Voucher Code ~</u></p> <p>Connect to SSID "PXCT_Guest" and log in with the given username &amp; password To logout, simply type <a href="http://pacificexpress.wifi/status">http://pacificexpress.wifi/status</a> in your device's browser</p>		<p style="text-align: center;"><u>~ How to Use This Voucher Code ~</u></p> <p>Connect to SSID "PXCT_Guest" and log in with the given username &amp; password To logout, simply type <a href="http://pacificexpress.wifi/status">http://pacificexpress.wifi/status</a> in your device's browser</p>	
Thank You For Choosing Our Services		Thank You For Choosing Our Services		Thank You For Choosing Our Services	
<b>PXCT Guest WiFi</b>		<b>PXCT Guest WiFi</b>		<b>PXCT Guest WiFi</b>	
<b>Device per ID:</b>	<b>2</b>	<b>Device per ID:</b>	<b>2</b>	<b>Device per ID:</b>	<b>2</b>
<b>Prepaid time:</b>	<b>Unlimited</b>	<b>Prepaid time:</b>	<b>Unlimited</b>	<b>Prepaid time:</b>	<b>Unlimited</b>
<b>Username:</b>	<b>pxct4n3t7u</b>	<b>Username:</b>	<b>pxctyxt66v</b>	<b>Username:</b>	<b>pxctus8uvq</b>
<b>Password:</b>	<b>re3u4g</b>	<b>Password:</b>	<b>fwqm27</b>	<b>Password:</b>	<b>9k4wbd</b>
<p style="text-align: center;"><u>~ How to Use This Voucher Code ~</u></p> <p>Connect to SSID "PXCT_Guest" and log in with the given username &amp; password To logout, simply type <a href="http://pacificexpress.wifi/status">http://pacificexpress.wifi/status</a> in your device's browser</p>		<p style="text-align: center;"><u>~ How to Use This Voucher Code ~</u></p> <p>Connect to SSID "PXCT_Guest" and log in with the given username &amp; password To logout, simply type <a href="http://pacificexpress.wifi/status">http://pacificexpress.wifi/status</a> in your device's browser</p>		<p style="text-align: center;"><u>~ How to Use This Voucher Code ~</u></p> <p>Connect to SSID "PXCT_Guest" and log in with the given username &amp; password To logout, simply type <a href="http://pacificexpress.wifi/status">http://pacificexpress.wifi/status</a> in your device's browser</p>	
Thank You For Choosing Our Services		Thank You For Choosing Our Services		Thank You For Choosing Our Services	

# Adding routers – for RADIUS Authentication and Accounting

The screenshot displays the Pacific Express Hotel PXCT User Manager interface. On the left is a navigation menu with options: Routers, Users, Sessions, Customers, Logs, Payments, Profiles, Settings, Reports, 0 A sessions, 0 A users, Advanced search, Maintenance, and Logout. The 'Routers' menu item is highlighted with a red box and an arrow pointing to it with the text 'Click Routers'. At the top of the main content area, there are 'Add' and 'Edit' buttons, with 'Add' highlighted by a red box and an arrow pointing to it with the text 'Add new router'. Below these buttons is a table with columns: Name, IP address, and Shared secret. The table contains one entry: PXCT, 172.16.0.209, and synchro\*123. A 'Router details' dialog box is open in the center, containing the following fields: Name (PXCT), Owner (admin), IP address (172.16.0.209), Shared secret (abc123), Time zone (Parent time zone), Disabled (checkbox), and Log events (Authorization success, Authorization failure, Accounting success, Accounting failure). A red box highlights the IP address and Shared secret fields, with an arrow pointing to it from the text 'Fill in IP and shared secret'. At the bottom of the dialog box is a 'Save' button.

Name	IP address	Shared secret
PXCT	172.16.0.209	synchro*123

Router details

Main

Name: PXCT  
Owner: admin  
IP address: 172.16.0.209  
Shared secret: abc123  
Time zone: Parent time zone  
Disabled:   
Log events:  Authorization success  
 Authorization failure  
 Accounting success  
 Accounting failure

Save

# Set User profile

The screenshot displays the Pacific Express Hotel PXCT User Manager interface. The left sidebar contains navigation options: Routers, Users, Sessions, Customers, Logs, Payments, Profiles (highlighted), Settings, Reports, 0 A sessions, 0 A users, Advanced search, Maintenance, and Logout. The main content area shows a table with columns for Name and Down. A table entry for 'guest\_limit' is visible. A modal window titled 'Limitation details' is open, showing configuration fields for a profile named 'guest\_limit'. The fields are organized into sections: Main (Name: guest\_limit, Owner: admin), Limits (Download: 0B, Upload: 0B, Transfer: 0B, Uptime: ), Rate limits (Rate limit: Rx 3K, Tx 3K; Burst rate: Rx, Tx; Burst threshold: Rx, Tx; Burst time: Rx, Tx; Min rate: Rx 2K, Tx 2K; Priority: Not specified), and Constraints. A 'Save' button is at the bottom of the modal. Red arrows point to the 'Profiles' menu item, the 'Add' button, the 'Limitations' tab, and the 'Rate limits' section. A red text annotation 'Control user time/quota/speed usage' points to the 'Rate limits' section.

**Limitation details**

▼ Main

Name: guest\_limit  
Owner: admin

▼ Limits

Download: 0B  
Upload: 0B  
Transfer: 0B  
Uptime:

▲ Rate limits

Rate limit: Rx 3K Tx 3K  
Burst rate: Rx Tx  
Burst threshold: Rx Tx  
Burst time: Rx Tx  
Min rate: Rx 2K Tx 2K  
Priority: Not specified

▼ Constraints

Save

Control user time/quota/speed usage

# Other Settings

**Appearance** **Style** Templates Language Payment gateways Signup

▼ Table columns

Table	Visible	Hidden
Routers	Username	Password
Users	Till time	Disabled
Sessions	Total time left	Owner
Customers	Actual profile	First name
Logs		Last name
Payments		Phone
Limitations		Location
		Comment
		Email
		IP address
		Caller ID
		Shared users

▲ First page  
Users

Save


Customize user manager

Customize voucher

Integrate with online payment gateway

Enable user signup page

# View User Log




- [Routers](#)
- [Users](#)
- [Sessions](#)
- [Customers](#)
- [Logs](#)
- [Payments](#)
- [Profiles](#)
- [Settings](#)
- [Reports](#)
- [0 A sessions](#)
- [0 A users](#)
- [Advanced search](#)
- [Maintenance](#)
- [Logout](#)

Edit
1 2 3 4 ... 7 page 1 of 7
 
🔍

<input type="checkbox"/>	▽ Username	▽ User IP	▽ Host IP	▽ Time	▽ Calling station ID
<input type="checkbox"/>	Guest	10.5.50.0	192.168.0.158	09/18/2018 14:00:10	C4:0B:CB:48:C7:EB
<input type="checkbox"/>	test	10.5.49.243	192.168.0.158	09/18/2018 16:58:26	B4:8B:19:D4:6E:64
<input type="checkbox"/>	admin	10.5.49.243	192.168.0.158	09/18/2018 16:58:35	B4:8B:19:D4:6E:64
<input type="checkbox"/>	Pxcr	10.5.49.211	192.168.0.158	09/18/2018 22:56:46	98:6F:60:64:F6:44
<input type="checkbox"/>	Pxcr	10.5.49.211	192.168.0.158	09/18/2018 22:56:54	98:6F:60:64:F6:44
<input type="checkbox"/>	Pxcr	10.5.49.211	192.168.0.158	09/18/2018 22:56:56	98:6F:60:64:F6:44
<input type="checkbox"/>	Pxct	10.5.49.211	192.168.0.158	09/18/2018 23:07:08	98:6F:60:64:F6:44
<input type="checkbox"/>	Juest	10.5.49.211	192.168.0.158	09/19/2018 07:06:44	98:6F:60:64:F6:44
<input type="checkbox"/>	guest	10.5.49.211	192.168.0.158	09/19/2018 07:07:11	98:6F:60:64:F6:44
<input type="checkbox"/>	guest	10.5.49.211	192.168.0.158	09/19/2018 07:07:44	98:6F:60:64:F6:44
<input type="checkbox"/>	Guest	10.5.49.211	192.168.0.158	09/19/2018 07:09:10	98:6F:60:64:F6:44
<input type="checkbox"/>	guest	10.5.49.211	192.168.0.158	09/19/2018 07:09:24	98:6F:60:64:F6:44
<input type="checkbox"/>	pacificeexpress	10.5.49.180	192.168.0.158	09/19/2018 11:32:09	D8:CF:9C:5D:55:B2
<input type="checkbox"/>	306	10.5.49.180	192.168.0.158	09/19/2018 11:39:40	D8:CF:9C:5D:55:B2
<input type="checkbox"/>	pxct	10.5.49.178	192.168.0.158	09/19/2018 11:40:15	68:DB:CA:14:1F:F1
<input type="checkbox"/>	pxct	10.5.49.70	172.16.0.209	09/20/2018 13:57:04	50:BC:96:D5:1E:92
<input type="checkbox"/>	pxct	10.5.49.70	172.16.0.209	09/20/2018 13:57:12	50:BC:96:D5:1E:92
<input type="checkbox"/>	pxct	10.5.49.70	172.16.0.209	09/20/2018 13:57:24	50:BC:96:D5:1E:92
<input type="checkbox"/>	pxct	10.5.49.70	172.16.0.209	09/20/2018 13:57:47	50:BC:96:D5:1E:92
<input type="checkbox"/>	prhs	10.5.49.69	172.16.0.209	09/20/2018 13:58:46	DC:55:83:A0:6D:61

Per page [20] ▼

# View User Session



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

Edit
1 2 3 page 1 of 3

<input type="checkbox"/>	▼ Username	▼ Status	▼ User IP	▼ From time	▼ Till time	▼ Uptime	▼ Download	▼ Upload	▼ Calling station ID
<input type="checkbox"/>	guest	Start & Stop & Interim	10.5.50.0	09/18/2018 12:58:45	09/18/2018 13:10:22	11m37s	461.9 KiB	5.0 MiB	C4:0B:CB:48:C7:EB
<input type="checkbox"/>	guest	Start & Stop & Interim	10.5.49.255	09/18/2018 13:02:25	09/18/2018 13:06:49	4m24s	81.8 MiB	47.9 MiB	70:F0:87:EF:B4:C8
<input type="checkbox"/>	guest	Start & Stop & Interim	10.5.50.0	09/18/2018 13:14:39	09/18/2018 13:58:39	44m	269.5 MiB	55.5 MiB	C4:0B:CB:48:C7:EB
<input type="checkbox"/>	guest	Start & Stop	10.5.50.0	09/18/2018 13:59:05	09/18/2018 14:00:02	57s	5.5 MiB	568.6 KiB	C4:0B:CB:48:C7:EB
<input type="checkbox"/>	guest	Start & Stop & Interim	10.5.50.0	09/18/2018 14:00:25	09/18/2018 14:58:59	10m16s	592.3 KiB	670.5 KiB	C4:0B:CB:48:C7:EB
<input type="checkbox"/>	guest	Start & Stop & Interim	10.5.49.241	09/18/2018 17:08:21	09/18/2018 18:07:47	48s	51.7 KiB	72.0 KiB	34:E6:AD:26:AE:21
<input type="checkbox"/>	guest	Start & Stop	10.5.50.0	09/18/2018 18:55:43	09/18/2018 18:56:03	20s	15.6 KiB	8.9 KiB	C4:0B:CB:48:C7:EB
<input type="checkbox"/>	guest	Start & Stop & Interim	10.5.50.0	09/18/2018 18:56:18	09/18/2018 19:00:22	4m4s	269.1 KiB	360.4 KiB	C4:0B:CB:48:C7:EB
<input type="checkbox"/>	guest	Start & Stop & Interim	10.5.50.0	09/18/2018 19:00:34	09/18/2018 19:06:14	5m40s	530.9 KiB	389.9 KiB	C4:0B:CB:48:C7:EB
<input type="checkbox"/>	guest	Start & Stop & Interim	10.5.50.0	09/18/2018 19:06:25	09/18/2018 19:08:58	2m33s	249.2 KiB	100.2 KiB	C4:0B:CB:48:C7:EB
<input type="checkbox"/>	guest	Start & Stop & Interim	10.5.50.0	09/18/2018 19:09:13	09/18/2018 19:55:35	10m20s	1113.8 KiB	306.8 KiB	C4:0B:CB:48:C7:EB
<input type="checkbox"/>	guest	Start & Stop & Interim	10.5.49.211	09/18/2018 23:07:23	09/19/2018 00:56:01	52m29s	1233.3 KiB	810.5 KiB	98:6F:60:64:F6:44
<input type="checkbox"/>	guest	Start & Stop & Interim	10.5.49.203	09/19/2018 07:10:33	09/19/2018 08:10:17	2m38s	233.2 KiB	369.4 KiB	18:F0:E4:3A:2E:E0
<input type="checkbox"/>	guest	Start & Stop & Interim	10.5.49.211	09/19/2018 07:12:06	09/19/2018 08:11:55	1m7s	97.9 KiB	127.7 KiB	98:6F:60:64:F6:44
<input type="checkbox"/>	guest	Start & Stop & Interim	10.5.49.79	09/20/2018 12:52:19	09/20/2018 14:05:11	13m1s	28.2 KiB	26.1 KiB	C4:0B:CB:48:C7:EB
<input type="checkbox"/>	guest	Start & Interim & Close	10.5.49.53	09/20/2018 15:24:14	09/20/2018 15:56:16	32m2s	62.4 KiB	45.1 KiB	7C:2E:DD:6A:F7:66
<input type="checkbox"/>	guest	Start & Stop & Interim	10.5.49.25	09/20/2018 21:31:44	09/20/2018 22:44:51	21m22s	972.6 KiB	970.8 KiB	98:6F:60:64:F6:44
<input type="checkbox"/>	guest	Start & Stop & Interim	10.5.49.20	09/20/2018 21:38:38	09/20/2018 22:36:12	48s	30.0 KiB	38.7 KiB	00:75:DA:23:98:70
<input type="checkbox"/>	guest	Start & Stop & Interim	10.5.49.31	09/20/2018 21:49:23	09/20/2018 21:59:12	9m31s	654.0 KiB	889.9 KiB	E4:40:E2:F4:25:E2
<input type="checkbox"/>	guest	Start & Stop & Interim	10.5.49.20	09/20/2018 22:39:12	09/20/2018 23:38:35	3m5s	182.3 KiB	273.7 KiB	00:75:DA:23:98:70

Per page [20] ▼



# Adding External RADIUS

Adding external RADIUS server

Radius

Radius Server <10.10.200.14>

Service:  ppp  login  hotspot  wireless  dhcp  ipsec

Address: 10.10.200.14

Secret: .....

# Enable RADIUS for Hotspot Server

The screenshot shows the Mikrotik WinBox interface. The left sidebar contains various system tools and settings. The main window displays the 'Hotspot' configuration page, with the 'Server Profiles' tab selected. A table lists various server profiles, including 'PremiereHotel-MK', 'default', and 'hsp1' through 'hsp31'. A dialog box titled 'Hotspot Server Profile <hsp1>' is open, showing the 'RADIUS' configuration tab. The 'Use RADIUS' checkbox is checked. A red arrow points from the 'Server Profiles' tab in the main window to the dialog box. Another red arrow points from the 'Use RADIUS' checkbox to the text 'enable use RADIUS under hotspot server profile'.

Name	DNS Name	HTML Directory	Rate Limit (x/tx)
PremiereHotel-MK	wifi.status	hotspot	
default		hotspot	
hsp1	premierewifi.status	hotspot	
hsp2	premierewifi.status	hotsp	
hsp3	premierewifi.status	hotsp	
hsp4	premierewifi.status	hotsp	
hsp5	premierewifi.status	hotsp	
hsp6	premierewifi.status	hotsp	
hsp7	premierewifi.status	hotsp	
hsp8	premierewifi.status	hotsp	
hsp9	premierewifi.status	hotsp	
hsp10	premierewifi.status	hotsp	
hsp11	premierewifi.status	hotsp	
hsp12	premierewifi.status	hotsp	
hsp13	premierewifi.status	hotsp	
hsp14	premierewifi.status	hotsp	
hsp15	premierewifi.status	hotsp	
hsp16	premierewifi.status	hotsp	
hsp17	premierewifi.status	hotsp	
hsp18	premierewifi.status	hotsp	
hsp19	premierewifi.status	hotsp	
hsp20	premierewifi.status	hotsp	
hsp21	premierewifi.status	hotsp	
hsp22	premierewifi.status	hotsp	
hsp23	premierewifi.status	hotsp	
hsp24	premierewifi.status	hotsp	
hsp25	premierewifi.status	hotsp	
hsp26	premierewifi.status	hotsp	
hsp27	premierewifi.status	hotsp	
hsp28	premierewifi.status	hotsp	
hsp29	premierewifi.status	hotspot	
hsp30	premierewifi.status	hotspot	
hsp31	premierewifi.status	hotspot	

enable use RADIUS under hotspot server profile

Hotspot Server Profile <hsp1>

General Login RADIUS

Use RADIUS

Default Domain: [Dropdown]

Location ID: [Dropdown]

Location Name: [Dropdown]

MAC Format: XX:XX:XX:XX:XX:XX

Accounting

Interim Update: [Dropdown]

NAS Port Type: 19 (wireless-802.11)

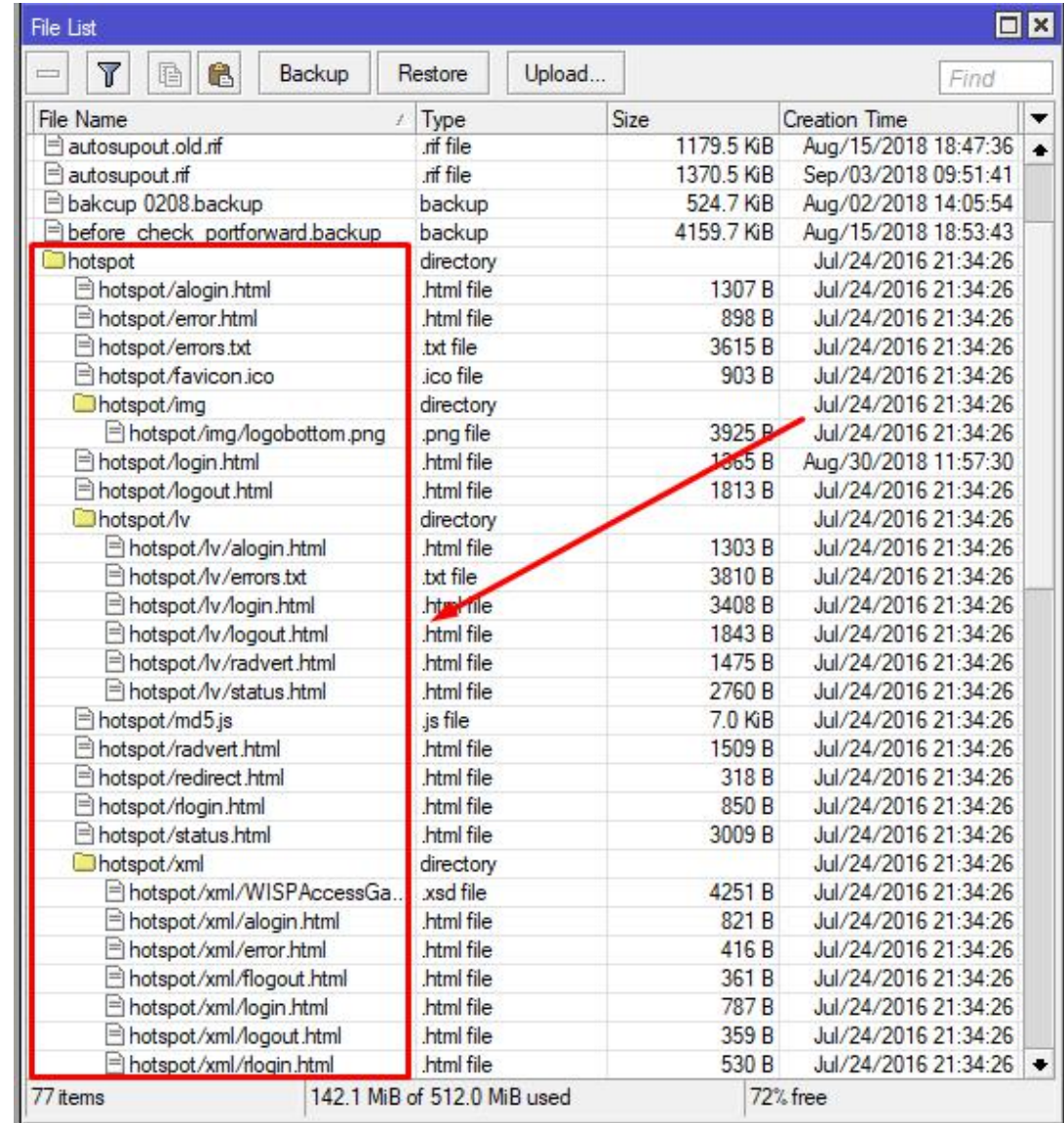
OK Cancel Apply Copy Remove

# Edit login.html for User Redirection to External Captive Portal

```
<html>
<head><title></title></head>
<body>
$(if chap-id)
<noscript>
<center><b>JavaScript required. Enable JavaScript to continue.</b></center>
</noscript>
$(endif)
<center>If you are not redirected in a few seconds, click 'continue' below<br>
<form name="redirect" action="http://185.208.65.100/user/index.php" method="post">
<input type="hidden" name="mac" value="${mac}" />
<input type="hidden" name="ip" value="${ip}" />
<input type="hidden" name="username" value="${username}" />
<input type="hidden" name="link-login" value="${link-login}" />
<input type="hidden" name="link-orig" value="${link-orig}" />
<input type="hidden" name="error" value="${error}" />
<input type="hidden" name="chap-id" value="${chap-id}" />
<input type="hidden" name="chap-challenge" value="${chap-challenge}" />
<input type="hidden" name="link-login-only" value="${link-login-only}" />
<input type="hidden" name="link-orig-esc" value="${link-orig-esc}" />
<input type="hidden" name="mac-esc" value="${mac-esc}" />
<input type="hidden" name="nasid" value="${identity}" />
<input type="hidden" name="vlan" value="${interface-name}" />
<input type="hidden" name="int" value="${interface-name}" />
<input type="submit" value="continue" />
</form>
<script language="JavaScript">
<!--
|   document.redirect.submit();
//-->
</script></center>
</body>
</html>
```

# Customize landing page using hotspot folder

---



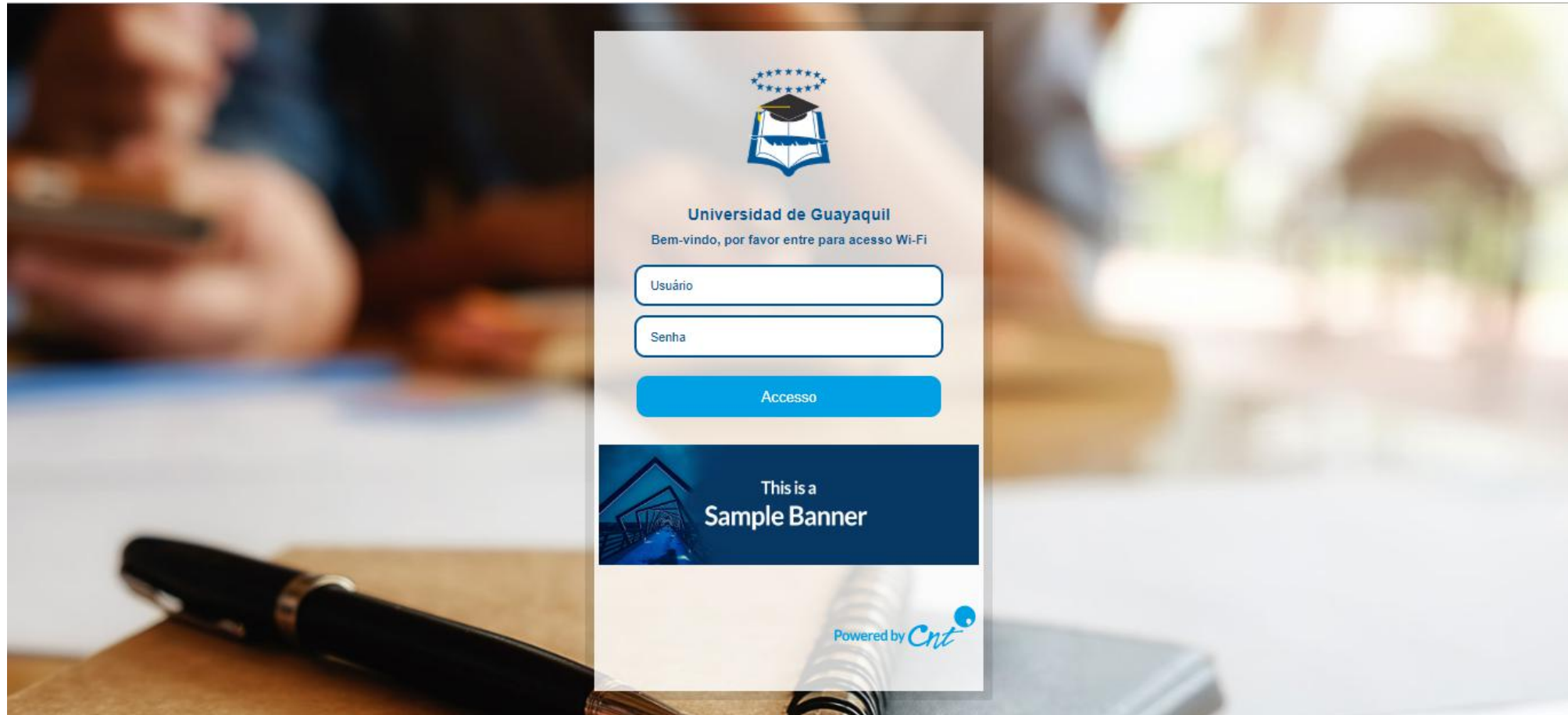
File List

Backup Restore Upload... Find

File Name	Type	Size	Creation Time
autosupout.old.rif	.rif file	1179.5 KiB	Aug/15/2018 18:47:36
autosupout.rif	.rif file	1370.5 KiB	Sep/03/2018 09:51:41
bakcup 0208.backup	backup	524.7 KiB	Aug/02/2018 14:05:54
before_check_portforward.backup	backup	4159.7 KiB	Aug/15/2018 18:53:43
hotspot	directory		Jul/24/2016 21:34:26
hotspot/alogin.html	.html file	1307 B	Jul/24/2016 21:34:26
hotspot/error.html	.html file	898 B	Jul/24/2016 21:34:26
hotspot/errors.txt	.txt file	3615 B	Jul/24/2016 21:34:26
hotspot/favicon.ico	.ico file	903 B	Jul/24/2016 21:34:26
hotspot/img	directory		Jul/24/2016 21:34:26
hotspot/img/logobottom.png	.png file	3925 B	Jul/24/2016 21:34:26
hotspot/login.html	.html file	1365 B	Aug/30/2018 11:57:30
hotspot/logout.html	.html file	1813 B	Jul/24/2016 21:34:26
hotspot/iv	directory		Jul/24/2016 21:34:26
hotspot/iv/alogin.html	.html file	1303 B	Jul/24/2016 21:34:26
hotspot/iv/errors.txt	.txt file	3810 B	Jul/24/2016 21:34:26
hotspot/iv/login.html	.html file	3408 B	Jul/24/2016 21:34:26
hotspot/iv/logout.html	.html file	1843 B	Jul/24/2016 21:34:26
hotspot/iv/radvert.html	.html file	1475 B	Jul/24/2016 21:34:26
hotspot/iv/status.html	.html file	2760 B	Jul/24/2016 21:34:26
hotspot/md5.js	.js file	7.0 KiB	Jul/24/2016 21:34:26
hotspot/radvert.html	.html file	1509 B	Jul/24/2016 21:34:26
hotspot/redirect.html	.html file	318 B	Jul/24/2016 21:34:26
hotspot/rlogin.html	.html file	850 B	Jul/24/2016 21:34:26
hotspot/status.html	.html file	3009 B	Jul/24/2016 21:34:26
hotspot/xml	directory		Jul/24/2016 21:34:26
hotspot/xml/WISPAccessGa..	.xsd file	4251 B	Jul/24/2016 21:34:26
hotspot/xml/alogin.html	.html file	821 B	Jul/24/2016 21:34:26
hotspot/xml/error.html	.html file	416 B	Jul/24/2016 21:34:26
hotspot/xml/ilogout.html	.html file	361 B	Jul/24/2016 21:34:26
hotspot/xml/login.html	.html file	787 B	Jul/24/2016 21:34:26
hotspot/xml/logout.html	.html file	359 B	Jul/24/2016 21:34:26
hotspot/xml/rlogin.html	.html file	530 B	Jul/24/2016 21:34:26

77 items 142.1 MiB of 512.0 MiB used 72% free

# Landing Page Examples





## Universidad de Guayaquil

Bienvenido, por favor hacer click en botón de Acceder para ingresar a servicios de WiFi

Acceder



This is a  
Sample Banner

Powered by *Cnt*



Thank  
you

Follow us on Social Media



 (60)3 5880 5486

 [www.synchroweb.com](http://www.synchroweb.com)

 [sales@synchroweb.com](mailto:sales@synchroweb.com)

# **SYNCHROWEB**

## **TECHNOLOGY**

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