# Telco Hotspot Configuration Training Service Delivery Department



A division of Telecontract Pvt. Ltd

Done by: David Gumbo 15/12/21

### Contents / Parameters

### PART 1

- Hotspot Script
- Hotspot Schematic Diagram
- Radius configuration
- Hotspot Router Internet Connection
- Hotspot files

## PART 2

- Hotspot testing
- User active connections
- Portal Page
- Radius server connection

### Hotspot Schematic Diagram



#### **Hotspot Router Configuration**

- 1. Hotspot Script
- 2. PPPoE Credentials
- 3. WAN-Vlan
- 4. Hotspot files

#### Step 1

• Reset the router to default configuration to clear all the default configurations that come with the router.

#### Step 2

• Configure the PPPoE credentials and Vlan on the router like a normal customer router. (edit the pppoe credentials and vlan on the script)

#### Step 3

• Copy and Paste the configurations from the hotspot script into the router terminal.

#### Step 4

• Change Radius server Src-address to the PPPoE public IP address.

#### Step 5

- Upload the hotspot files
- Check and ensure the hotspot server file configuration is pointing to the correct hotspot files you uploaded in the router. Step 6
  - Configuration of RAS information in BYOD Radius server (41.191.236.46)

# RAS Configuration: Information & Attributes

- Log in IBsng 41.19.1236.46
- Navigate to Settings
- Click on RAS
- Add New Ras if its a new hotspot
- RAS list will show you the list of current Hotspot Router(RASs)



# RAS Configuration

• Select Mikrotik on RAS type ( which is RAS vendor type )

RAS IP :		
RAS Description :		
RAS Type : 🤇	Mikrotik	~
Radius Secret :		
Comment :		

# **RAS** Attributes Configuration

- ullet
- Edit disconnect port to 3799 Edit general\_update interval to  $\bullet$ 30

failed_login_username :	
general_update_interval :	30
mikrotik_api_url :	http://127.0.0.1:3010/_QUERIES/ibs/get_mac?mac=
mikrotik_change_bw_method :	1
mikrotik_disconnect_port	3799
mikrotik_disconnect_request_timeout	5
mikrotik_enable_mac_auth :	1
mikrotik_kill_by_radius :	1
mikrotik_pptp_find_mac :	0
mikrotik_reonline_users :	1
mikrotik_ssh_password :	admin
mikrotik_ssh_username :	admin
mikrotik_ssh_wrapper :	/usr/local/IBSng/addons/mikrotik/ssh_wrapper
mikrotik_update_accounting_interval :	1
online_check :	1

### Live Hotspot Testing. Onsite testing

#### Step 1

- Connect to "Telco WiFi" SSID
- Click on "Sign in" if its android
- Splash page will pop up if its an IOS device

#### Step 2

- Click ACCEPT
- Enter your mobile phone number ( Econet, Telecel, Netone )

#### Welcome to

telco

We are pleased to offer you fast Wi-Fi

By clicking the button below you agree to the Terms and Conditions

ACCEPT

Copyright © Telecontract (Pvt) Ltd t/a Telco

### Enter your mobile phone number ( Econet, Telecel, Netone )



An OTP will be sent to your mobile device with the mobile number used. ( One Time Pin)



Copyright © Telecontract (Pvt) Ltd t/a Telco

# Enter the OTP to continue

Welcome to		
We are pleased to offer you free Wi-Fi		
Enter your phone number to enjoy free Telco WIFI		
Enter your pin		
	Welcome to Ecception Free pleased to offer you free Wi-Fi Inter your phone number to enjoy free Telco WiFi Enter your pin	Welcome to ECCEDER UNCOMPACT For a constant of the constant of

Copyright © Telecontract (Pvt) Ltd t/a Telco

### STEP 3

Select the package you would like to purchase or click on FREE BROWSING TO TEST



Account Dashboard - TW3-0777589119

#### Purchase History

START BROWSING WITH BUNDLE

Weekly: \$36 Bundle(150MB)

your email address +

Free Wifi

PURCHASE BUNDLE	
OR	

÷

- In case you would like to bundle
- Select the bundle



Account Dashboard - TW3-0777589119

Purchase History

START BROWSING WITH BUNDLE



### Go through the registration process

- You will be taken to a "PAY

NOW" payment platform

baynow		Make Payments 👻	Receive Payments 👻	Log On	Sign U
	MAKEE	COCASH PAYMENT			
Notifications are being se	nt to info@gmail.com. Contact Numb	er: 0777589119.			
🖲 EcoCash					
Please enter the mobile	number of the EcoCash line that will b	be making payment.			
Phone Number					
0777589119					
Confirm Payment	Back				
Transaction Details					
Transaction ID	13483739				
Customer Email	info@gmail.com				
Customer Name	David Gumbo				
Customer Phone	0777589119				
Created	15-Dec-2021 22:06				
Payment For	TelcoDialer Airtime				
Paves Poferance	INIV//2021/04082				

- Reconnect to Telco WiFI SSID
- On the splash page select the package you have purchased



 You will be "logged in Successfully!"

### You have successfully logged in to the Hotspot



# **REMOTE** TROUBLESHOOTING

• Check if the hotspot router is running the correct hotspot files

File List			
- 🍸 🖹 🔒 Backup	Restore Upload		Find
File Name		∆ Туре	Size 💌
📔 flash		disk	
flash/openaccess	$\sim$	directory	0.
flash/openaccess/alogin.h	tml	.html file	10.1
flash/openaccess/error.ht	ml	.html file	89
flash/openaccess/errors.t	×t	.txt file	361
flash/openaccess/favicon	ico	.ico file	90
flash/openaccess/flogin.h	tml	.html file	43
Flash/openaccess/img		directory	
🔄 flash/openaccess/login.ht	ml	.html file	346
flash/openaccess/logout.h	ntml	.html file	299
flash/openaccess/md5.js		.is file	7.0
flash/openaccess/radvert	.html	.html file	148
flash/openaccess/redirect	.html	.html file	31
flash/openaccess/rlogin.h	tml	.html file	85
flash/openaccess/status.h	ntml	.html file	364
15 items 13.0	MiB of 16.0 MiB used	18% free	•

• Verify the hotspot server file configuration is pointing to the correct files in the directory

•		7								
	Name	1	DNS Na	ame		HTML Direct	ory	Rate Lim	it (rx/tx)	
	🖯 OpenA 🖯 default	CCESSHO	openad	cess.		riash/opena flash/hotsp	ot			
	Hotspot S	erver Pro	file <op< td=""><td>enAcc</td><td>ess</td><td>:HS&gt;</td><td></td><td></td><td></td><td></td></op<>	enAcc	ess	:HS>				
	General	Login	RADIU	s					0	<
			Name:	Open	Aco	tessHS			Can	cel
	H	lotspot A	ddress:	10.5.	50.	1		<b>_</b>	App	bly
		DNS	Name:	open	acc	ess.co.zw		<u> </u>	Cor	υv
		HTML Dir	ectory:	flash,	/ope	enaccess		3		
	HTML Dir	ectory O	verride:					-	Kenne	JVC
	R	ate Limit.	(rx/tx):					•		
		HTTP	Proxy:					•		
	ł	HTTP Pro>	y Port:	0						
1000		SMTP	Server:	41.19	91.2	232,5		-		
1										

- Radius Server Src-address is correct ( PPPoE Public IP )
- Radius Server make sure the "hotspot" is ticked

General	Status			OK
		V hotspot		Cancel
		dhcp ipsec	-	Apply
		dot1×		Disable
	Called ID:			Comment
	Domain:	openaccess.co.zw		Сору
	Address:	41.191.236.46		Remove
	Protocol: Secret:	udp *****	₹	Reset Status
Authentica	tion Port:	1812		
Accoun	ting Port:	1813		
	Timeout:	3000	ms	
		Accounting Backup		
	Realm:		-	
C	ertificate:	none	Ŧ	
Src.	Address:	41.191.238.40	Ŀ,	-

 Interfaces with Vlan-401 are configured under the interface bridge=OA-BRIDE



### Step 5 (WiFi Broadcasting)

 Log in Unifi Server, navigate to the particular hotspot APs.
Check if Telco WiFi is there under the Device info - WLAN

	6	0 X	<u>ılıllı</u>
CHANNEI	UTILIZATION		+
OVERVIE	w		+
UPLINK (	WIRED)		+
RADIOS			+
WLANS			
Name 1	BSSID	ESSID	Changel
athO	78:8a:20:2a:3b:79	Telco WiFi	11
ath1	7a:8a:20:2a:3b:79	Telco WiFi Secure	11
ath3	78:8a:20:2b:3b:79	Telco WiFi	149
	7 0 00 0 70	Talaa M(IT) Caavaa	140

 If your hotspot is fully working you should be able to see Accepted Requests under the Radius Status Tab.

RADIUS Server <41	.191.236.46>	
General Status		ОК
Pending:	0	Cancel
Requests:	12	Apply
Accepts:	8	Disable
Rejects:	0	Comment
Resends:		Сору
Rad Paplias:	14 0	Remove
Last Request RTT:	10	Reset Status
enabled		

# User Authentication

- Log in IBsng 41.191.236.46
- Search user by using the customer mobile number.
- Check Credit

HOME	USER	GROUP	REPORT	GRA	PH /	ADMIN	SETTING
Expired User	Add New User	Add User Sa	ives Import	Users	Vouchers	• User	Bulk Actions
			Gr	egorian	Thursd	ay, Decen	ber 16, 202
				5	Rela	nted L	inks
				. 30	Searc	h User	
				Ŧ	Searc	h Expired	User
				1	>User I	Informatio	'n
				iks	Sho	rtCut	s
				1	>User I	Informatio	n
				s	>Online	Users	
				đ	Searc	h Users	$\mathbf{>}$
				ort	Group	List	
				Sh			

# **User Credit**

- Under username Enter the mobile number click search
- If the user was successfully authenticated you will be able to see
  User ID and Group

User ID :			= ~		m		
Intern <mark>e</mark> t Username :		<	ILike	~	FTW-07123780	83	>
Serial :			Equals	~		m	
Don't have Internet Username:			Don't have	e VoIP	Username:		
Credit :			= ¥				
Deposit :			= ~				
User is PostPaid :							
user status :			Package Recharged Temporary	l / Exte	nded		
Next Group :			BancABC BarclaysSt CBZ_SSC_ FCB-Free-	App_l aff Users WiFi	Jsers		
Request Bulk Action							
Order By: User ID	Y Desc 🗹	Resu	t Per Page:	20	View: WE	в	,
	isers	T I	fotal Results	s: 1 C Group	redit Sum: -0.00 ISP Statu	44 15	Sear