# v1.14\_Integration with HotWiFi

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- Setting up connection between the advertising platform and BRAS

## Access point firmware

To test integration with Hot-WiFi advertising platform, firmware version 1.11.0.47 or higher is needed.

#### Download link:

⁄!∖

https://eltex-co.com/support/

## Setting up connection between the advertising platform and an access point

1. A test hotspot VAP with redirecting to the portal should be configured on the access point:

😅 Edit SSID	×	<
Minimal signal		•
Enabled		
Active Server	primary 💌	
RADIUS IP Address	IP address radius	
RADIUS IP Address-2		
RADIUS IP Address-3		
RADIUS Key:	****	
RADIUS Key-1		
RADIUS Key-2		
RADIUS Key-3		
RADIUS accounting (enbl/dsbl)	Down	
RADIUS accounting period, s	30	
RADIUS port	1812	
Fast Bss Transition		_
Fast Transition Mode	off 🗨	
Captive portal	_	
Enabled		
Virtual portal name	Portal_name	
Protocol	НТТР	=
Verification	CaptivePortal 🗨	
External	<b>v</b>	
External URL	http://softwic.eltex.loc:8080/eltex_portal/	
Away Time, min	720	
Session Timeout, min	0	
User mobility domain (FW 1.9.0)	root	Ŧ
✓ Accep	pt 🛛 💥 Cancel	

 Create an advertising tariff. The first scenario should be an external URL address in the following form: http://<portal-ip-address>:<portal\_ports/ /eltex\_portal/adv-redirect. The addresses should be added to the list of permitted hosts for this scenario. Any further scenarios can be defined in a standard form (for example, 1-minute internet access as the second scenario, a return to a portal and client reauthorization as the third scenario).

In order to provide correct operation, two or more scenarios should be created for one tariff.

95.213.0.0/18,95.142.192.0/20,93.186.224.0/20,87.240.128.0/18,185.32.248.0/22,185.29.130.0/24,74.119.76.0/22,69.63.176.0/20,69.171.224.0/19, 66.220.144.0/20,45.64.40.0/22,103.4.96.0/22,31.13.64.0/18,31.13.24.0/21,204.15.20.0/22,199.201.64.0/22,173.252.64.0/18,157.240.0.0/16,8.25.197.0/24,82.5.196.0/24,8.25.195.0/24,199.96.56.0/21,199.16.156.0/22,192.133.76.0/22,185.45.4.0/22,104.244.40.0/21,5.61.16.0/21,217.20.144.0/20, 185.16.244.0/22,54.144.0.0/12,54.160.0.0/12,52.00.0/11,54.208.00/13,54.216.0.0/14,54.220.0.0/15,107.20.0.0/14,31.13.93.0/24,212.30.134.0/24, 173.194.0.0/16,64.233.160.0/19,184.84.0.0/14,104.108.32.0/20,199.59.148.0/22,21.7.26,188.166.114.145,46.101.169.141,217.69.128.0/20,api. instagram.com,

💹 Settings of tariff 'Hotspot Default		>	<
1			•
Set state 1	* 1/		
- External URL	http://IP_adress_portal:port_portal/elitex_portal/adv-redirect		
- Start session before redirect			
- The duration of the state, min			
- Time quota of the state, min			
- Traffic quota of the state, Mb			
- Max Bandwidth Down, kbps			
- Max Bandwidth Up, kbps			
- Profile Policy Down			-
- Profile Policy Up			
- User away time, min			
- Permitted hosts and ip-addresse	S 🗹 95.213.0.0/18,95.142.192.0/20,93.186.224.0/20,87.240.128.0/18,185.32.248.0/22,185.29.130.0/24,7		
- Period for switching to next state			_
			-
	V Accept X Cancel		

3. Go to the *Portal Constructor*, choose a portal used for testing. In the "Tariffs" section of the menu, choose the tariff created for testing, enter its name and save changes.

4. Go to the "Advertising platforms" section, enable integration and choose Hot-WiFi advertising platform. Address: http://auth-pro.wifi.rt.ru, client ID: SgnlA HY8, save changes.

O The tariffs selected here are valid only for BRAS, tariffs for native access points should be selected in "Tariffs" tab.

If BRAS is not used, leave "Advertising BRAS tariff" and "BRAS tariff after advertising" fields blank.

## Advertising platforms

Enable integration with advertising platforms	
Advertising platform	Hot WiFi 🔹
Address	http://auth-pro.wifi.rt.ru
Client ID	SgnIAHY8
Advertising BRAS tariff	Select tariff
Work BRAS tariff	Select tariff 🔹
	Save

5. Make sure that AP IP Alias is defined on each access point within a domain

Description Wi-Fi clients Co	mpetitive AP monitoring Monito	ring Configuration Access
Network		
Wireless settings	🛃 Reload 🔪 Edit 🔄 to XN	
Access		
Radio interfaces	Captive Portal Mode	Un V
Virtual access points	Authentication Timeout, sec	300
Key holder data	-	
Global RADIUS	Additional HTTP Port	0
QoS. Main	Additional HTTPS Port	0
QoS. EDCA parameters		
Client QoS. Global	White IP delay	0
Client QoS. Class Map	Debug Level	0
Client QoS. Policy Map	Debug Level	
WDS	Roaming service URL	ws://192.168.42.178:8090/apb/broadcast
Captive Portal. Global	Poaming no action timoout min	720
Captive Portal. Instance	Roaming no action unleout, min	120
Cluster. Main	AP IP alias	redirect.loc
AirTune service	Discourse of he form and insert	Off
System time	Disconnect before redirect	
System events		
SNMP		
SNMP trap		
CLI/telnet		
CLI/ssh		
-letrex		

The parameter should be the same for all the access points of the platform. Configuration can be done directly on the access point, via group operations or using an access point initialization rule.

6. For Hot-WiFi integration, Hot-WiFi API service access from SoftWLC core is needed. A check is performed by Eltex-Portal module. If it is completed successfully, you will be redirected to Hot-WiFi platform, otherwise you will be redirected to a website defined in "Redirection URL" field of "Language settings" section. To check URL, curl utility can be used Example:

```
tester@tester:~$ curl http://auth-pro.wifi.rt.ru/_info
{
    "status": "OK"
}
tester@tester:~$
```

7. Make sure that a registered client is redirected to an advertising platform website and successfully logs on to social networks and sees advertising banners.

## Setting up connection between the advertising platform and BRAS

To configure integration with Hot-WiFi, the following steps should be performed:

1. Log in to the Personal Cabinet

:

2. Go to "Settings""URL lists" and create "hot-wifi" URL list.

The list should contain the portal address and URL for correct AndroidConnectivityManager operation. It should also contain Hot-WiFi advertising platform templates

URL: http://192.168.107.213:8080/eltex\_portal/ http://connectivitycheck.gstatic.com/generate\_204/ https://connectivitycheck.gstatic.com/generate\_204/

^((https|http):\/\)(.+\.)?abs\.twimg\.com ^((https|http):\/\)(.+\.)?accounts\.google\.com ^((https|http):\VV)(.+\.)?api\.instagram\.com ^((https|http):\/\/)(.+\.)?apple\.com ^((https|http):\VV)(.+\.)?captive\.apple\.com ^((https|http):\//)(.+\.)?facebook\.com ^((https|http):\/\/)(.+\.)?facebook\.net ^((https|http):\VV)(.+\.)?fbcdn\.net ^((https|http):\VV)(.+\.)?fbstatic-a\.akamaihd\.net ^((https|http):\VV)(.+\.)?googleapis\.com ^((https|http):\//)(.+\.)?googleusercontent\.com ^((https|http):\/\)(.+\.)?hot-wifi\.ru ^((https|http):\/\/)(.+\.)?inkedin\.com ^((https|http):\VV)(.+\.)?instagram\.c10r\.facebook\.com ^((https|http):\V\)(.+\.)?instagram\\.com ^((https|http):\/\/)(.+\.)?licdn\.com ^((https|http):\VV)(.+\.)?oauth\.vk\.com ^((https|http):\VV)(.+\.)?odnoklassniki\.ru ^((https|http):\VV)(.+\.)?ok\.ru ^((https|http):\V)(.+\.)?top-fwz1\.mail\.ru ((https|http):VV)(.+.)?twimg.com^((https|http):\/\/)(.+\.)?twitter\.com ^((https|http):\VV)(.+\.)?userapi\.com ^((https|http):\VV)(.+\.)?userapi\\.com ^((https|http):\/\/)(.+\.)?vk\.com ^((https|http):\VV)(.+\.)?vk\.me ^((https|http):\VV)(.+\.)?wifiworld\.me ^((https|http):\//)(.+\.)?www\.instagram\.com ^((https|http):\/\)(.+\.)gosuslugi\.ru ^((https|http):\VV)api\.instagram\.com ^((https|http):\//)auth-pro\.wifi\.rt\.ru ^((https|http):\/\/)cdn\.hot-wifi\.ru ^((https|http):\//)cp\.hot-wifi\.ru ^((https|http):\VV)fbstatic-a\.akamaihd\.net ^((https|http):\//)instagram\.c10r\.facebook\.commail ^((https|http):\V/)instagram\.com ^((https|http):\/\/)mc\.yandex\.ru ^((https|http):\VV)platform\.linkedin\.com ^((https|http):\VV)ssl\.gstatic\.com ^((https|http):\V/)static\.licdn\.com ^((https|http):\/\)www\.instagram\.com

^((https|http):\/\/)www\.linkedin\.com

An updated list can be found on http://be.hot-wifi.ru/api/walledgarden/get, but it should be changed in accordance with the example above to be downloaded properly.

## 3. Go to "Services and tariffs" "PCRF services" and create a service HOTWIFI (any name)

Traffic's class: WELCOME (The name should be the same as for traffic class in ESR-1000 configuration)

## Default action: redirect

Default URL: http://<portal-ip-address>:<portal\_port>/eltex\_portal/adv-redirect

Filter

#### Action: permit

#### Name of filter: hot-wifi

			URL filters					
HOTWIFI		?	Default action *		Default	URL*		
Domain *			radiract		http://	10 20 50 2:0000/	altay partal/adv radir	
root		Q	reairect		nup.//	http://10.20.50.2:9000/eltex_portal/adv-redire		
Traffic`s class *			Name of filter					
WELCOME		?		~			O Delete	
Time`s quota			Action	· ·				
?	Seconds	~	permit					
Traffic`s quota			Chosen filters	· ·				
?	Byte	~	Name of filter			Action	LIDI	
Time to reset by do	main time zo	ne	Name of filter			Action	OKL	
Not specified		I	hot-wifi			permit		
Account interim int	erval, s *							
600		?						
Priority *								
10		?						
Ability transition of	IP flows							
Allow IP flow bot	h direction	~						

4. Go to "Services and tariffs" "Tariffs", select a PCRF/BRAS filter, create HOTWIFI tariff with hotwifi service

Create new tariff		×
Name *		
HOTWIFI		?
Description		
tariff for advertising platform		?
Tariff`s code *		
hotwifibras		?
Domain *		
root		0
Time of session life		
?	Seconds	~
Time of session life if user is inac	tivity *	
1 ?	Hours	~
Account interim interval, s *		
		?
Number of synchronous sessions	s with one login/password	
		?
Price, rub.		
		?
composition of services		
Scenarios		
Service		
WELCOME		
INTERNET		
MOTWIFI		
🖺 Confirm	O Cancel	

- 5. Go to the Portal Constructor
- 6. Create a portal, go to "Advertising platforms" and check "Enable integration" box
- 7. Select Hot-WiFi advertising platform, fill in the fields

Address: an address in the following form: http://auth-pro.wifi.rt.ru, which is provided by Hot-WiFi staff

Client ID: client identifier provided by Hot-WiFi staff

Advertising BRAS tariff: select the tariff created in paragraph 4

BRAS tariff after advertising: any tariff

🖀 Dashboard	Enable integration with advertising platforms	
🖾 Gallery	Advertising platform	Hot WiFi
📽 System settings 🕶	Address	http://auth-pro.wifi.rt.ru
🗢 Customer Cab	Client ID	
අ Portals		
🙏 default 👻	Advertising BRAS tariff	hotwifitp [root]
Common settings	Work BRAS tariff	free1 [kl1.root] free111
Language settings		Save
Advertising platforms		

If an advertising platform is enabled, the tariffs selected in "Advertising platforms" are used, other tariffs will be ignored.