

v1.14_Integration with HotWiFi

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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 ☐

----- RADIUS -----

Active Server primary

RADIUS IP Address: IP_address_radius

RADIUS IP Address-1

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 HTTP

Verification CaptivePortal

External ☒

External URL http://softwlc.eltex.loc:8080/eltex_portal/

Away Time, min 720

Session Timeout, min 0

User mobility domain (FW 1.9.0) root

Accept Cancel

2. Create an advertising tariff. The first scenario should be an external URL address in the following form: http://<portal-ip-address>:<portal_port>/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.

95.213.0.0/18,95.142.192.0/20,93.186.224.0/20,87.240.128.0/18,185.32.248.0/22,185.29.130.0/24,74.119.76.0/22,69.63.176.0/20,69.171.224.0/19,66.220.144.0/20,45.64.40.0/22,103.4.96.0/22,31.13.64.0/18,31.13.24.0/21,204.15.20.0/22,199.201.64.0/22,173.252.64.0/18,157.240.0.0/16,8.25.197.0/24,8.25.196.0/24,8.25.195.0/24,199.96.56.0/21,199.16.156.0/22,192.133.76.0/22,185.45.4.0/22,104.244.40.0/21,5.61.16.0/21,217.20.144.0/20,185.16.244.0/22,54.144.0.0/12,54.160.0.0/12,52.0.0.0/11,54.208.0.0/13,54.216.0.0/14,54.220.0.0/15,107.20.0.0/14,31.13.93.0/24,212.30.134.0/24,173.194.0.0/16,64.233.160.0/19,184.84.0.0/14,104.108.32.0/20,199.59.148.0/22,2.21.7.26,188.166.114.145,46.101.169.141,217.69.128.0/20,api.instagram.com,instagram.com,instagram.c10r.facebook.com,www.instagram.com,static.licdn.com,platform.linkedin.com,ssl.gstatic.com,cp.hot-wifi.ru,www.linkedin.com,mc.yandex.ru,cdn.hot-wifi.ru,www.facebook.com,facebook.com,185.60.216.0/24,74.125.0.0/16,auth-pro.wifi.rt.ru,78.155.202.186

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: Sgn1AHY8, save changes.



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

Sgn1AHY8

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	Competitive AP monitoring	Monitoring	Configuration	Access
Network					
Wireless settings					
Access					
Radio interfaces					
Virtual access points					
Key holder data					
Global RADIUS					
QoS. Main					
QoS. EDCA parameters					
Client QoS. Global					
Client QoS. Class Map					
Client QoS. Policy Map					
WDS					
Captive Portal. Global					
Captive Portal. Instance					
Cluster. Main					
AirTune service					
System time					
System events					
SNMP					
SNMP trap					
CLI/telnet					
CLI/ssh					

	<div> <div>Reload</div> <div>Edit</div> <div>to XML</div> </div> <div> <div>Captive Portal Mode</div> <div>On</div> </div> <div> <div>Authentication Timeout, sec</div> <div>300</div> </div> <div> <div>Additional HTTP Port</div> <div>0</div> </div> <div> <div>Additional HTTPS Port</div> <div>0</div> </div> <div> <div>White IP delay</div> <div>0</div> </div> <div> <div>Debug Level</div> <div>0</div> </div> <div> <div>Roaming service URL</div> <div>ws://192.168.42.178:8090/apb/broadcast</div> </div> <div> <div>Roaming no action timeout, min</div> <div>720</div> </div> <div> <div>AP IP alias</div> <div>redirect.loc</div> </div> <div> <div>Disconnect before redirect</div> <div>Off</div> </div>
---	--

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/
http://connectivitycheck.gstatic.com/generate_204/

:

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

^((https|http):\\V\\)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

Create new service

Service's name *

HOTWIFI ?

Domain *

root ?

Traffic's class *

WELCOME ?

Time's quota

? Seconds

Traffic's quota

? Byte

Time to reset by domain time zone

Not specified

Account interim interval, s *

600 ?

Priority *

10 ?

Ability transition of IP flows

Allow IP flow both direction

URL filters

Default action *

redirect

Default URL *

http://10.20.50.2:9000/eltex_portal/adv-redirect

Name of filter

?

Add

Delete

Action

permit

Chosen filters

Name of filter	Action	URL
hot-wifi	permit	

Confirm

Cancel

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

Time of session life

?

Seconds

Time of session life if user is inactivity *

1

?

Hours

Account interim interval, s *

?

Number of synchronous sessions with one login/password

?

Price, rub.

?

composition of services

Scenarios

Service

☐ WELCOME
 ☐ INTERNET
 ☒ HOTWIFI

Confirm

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

Gallery

System settings ▾

Customer Cab

Portals

default ▾

Common settings

Language settings

Advertising platforms

Enable integration with advertising platforms ☒

Advertising platformHot WiFi ▾

Addresshttp://auth-pro.wifi.rt.ru

Client ID

Advertising BRAS tariffhotwifitp [root] ▾

Work BRAS tarifffree1 [kl1.root] free111 ▾

Save

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