

# v1.19\_ ESR

- 1.
- 2. ESR -
- 3. ESR - ESR
- 4. ESR -
- 5. ESR EMS
- 6. ESR, ESR -
- 8. ESR

## 1.

, ESR, - (data-tunnel create) , , . , ESR EMS, ESR . , , . , (AllClients.Federal.BANK), (BANK.Centr. Moskva).

ESR "Station ESR", , ESR -. , ESR , -, EMS , ESR.

! , - ESR, . , GRE 43- DHCP - EMS ! ESR, -, , ESR, .

## 2. ESR -

ESR - :

1) -- - ESR EMS ( );

2) - -. c- ESR, EMS. -, ESR PCRF. -.

- ESR PCRF, EMS :

1) ;

2) ;

3) ;

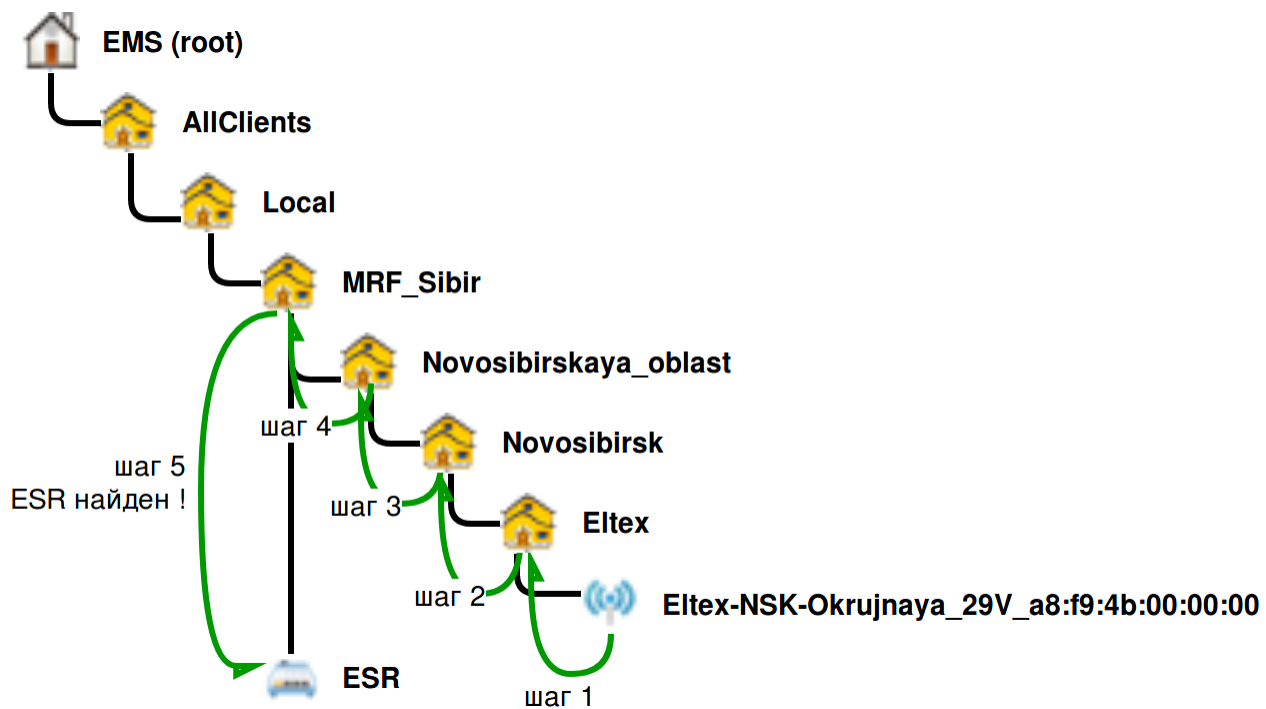
4) SSID, , ;

5) / SSID ;

6) // SSID .

EMS ESR, -. , ESR - EMS "" " ESR" - "Station". .

ESR, -, EMS , , ESR, -. ESR - , , ESR -, (EMS). , ESR - - - . .2.1 , .



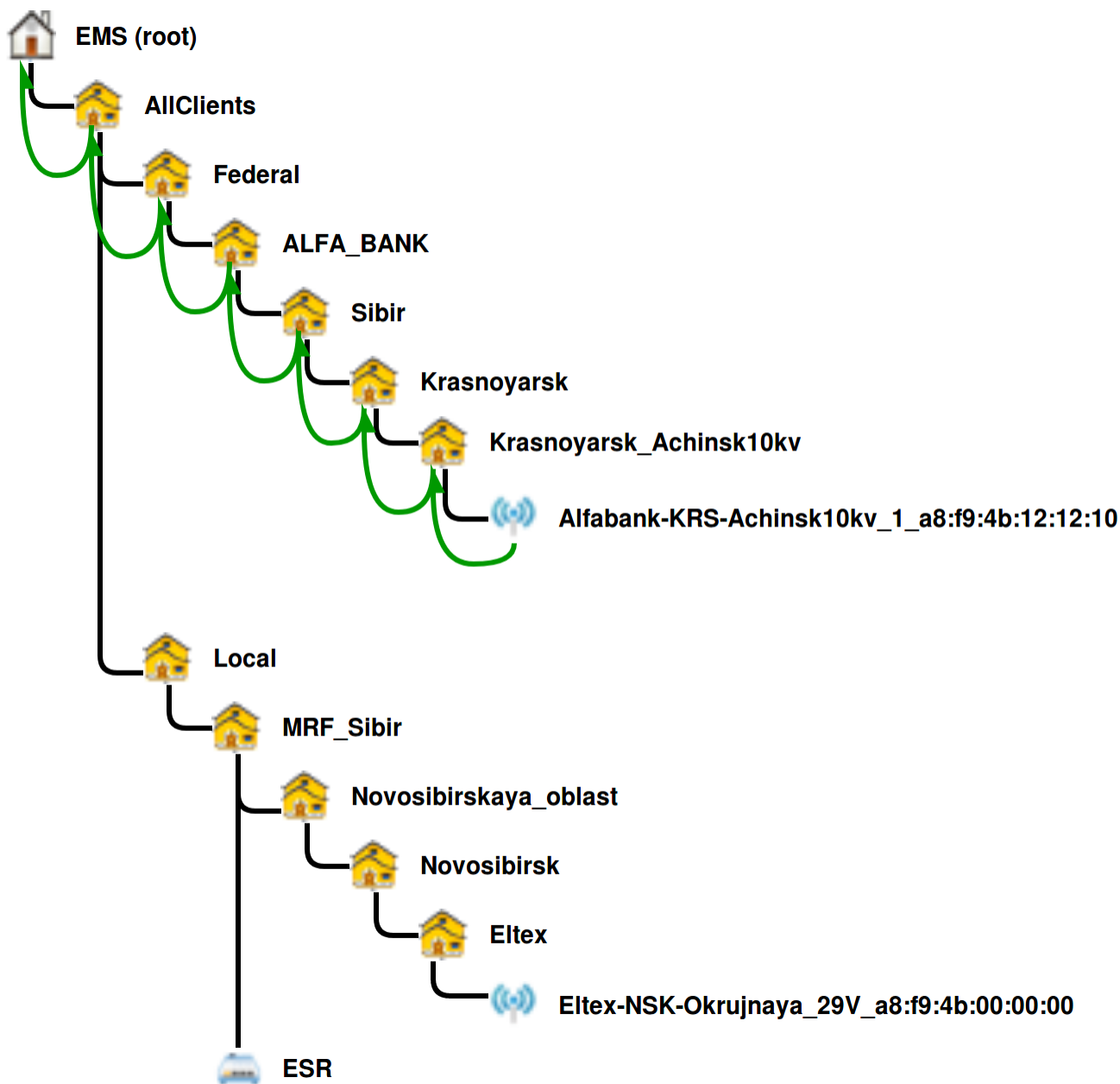
. 2.1.

- 1: Eltex;
- 2: Eltex ESR - , Novosibirsk;
- 3: Novosibirks ESR - , Novosibirskaya\_oblast;
- 4: Novosibirskaya\_oblast ESR - , MRF\_Sibir;
- 5: MRF\_Sibir ESR - ! -.

ESR, - - .

### 3. ESR - ESR

. 3.1:



. 3.1.

Alfabank-KRS-Achinsk10kv\_1\_a8:f9:4b:12:12:10 Krasnoyarsk\_Achinsk10kv - ESR, MRF\_Sibir. ESR, - . SoftWLC 1.14 EMS  
3.18 ESR ESR .

## 4. ESR -

ESR - , ESR, -. :

1) EMS , , - ESR, -.

2) ESR , ESR :

2.1) - .1;

2.2) - 3.

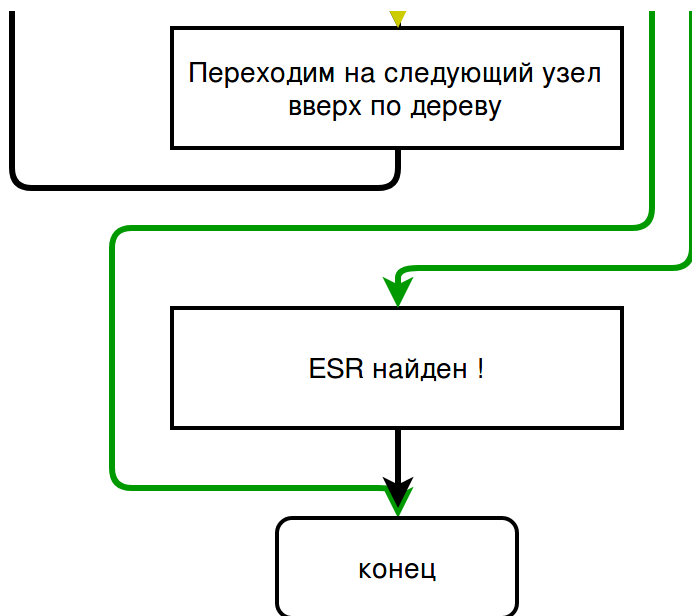
3) ( .2.2) - ESR, -;

4) ESR - , .1.

, .4.1, - ESR - :

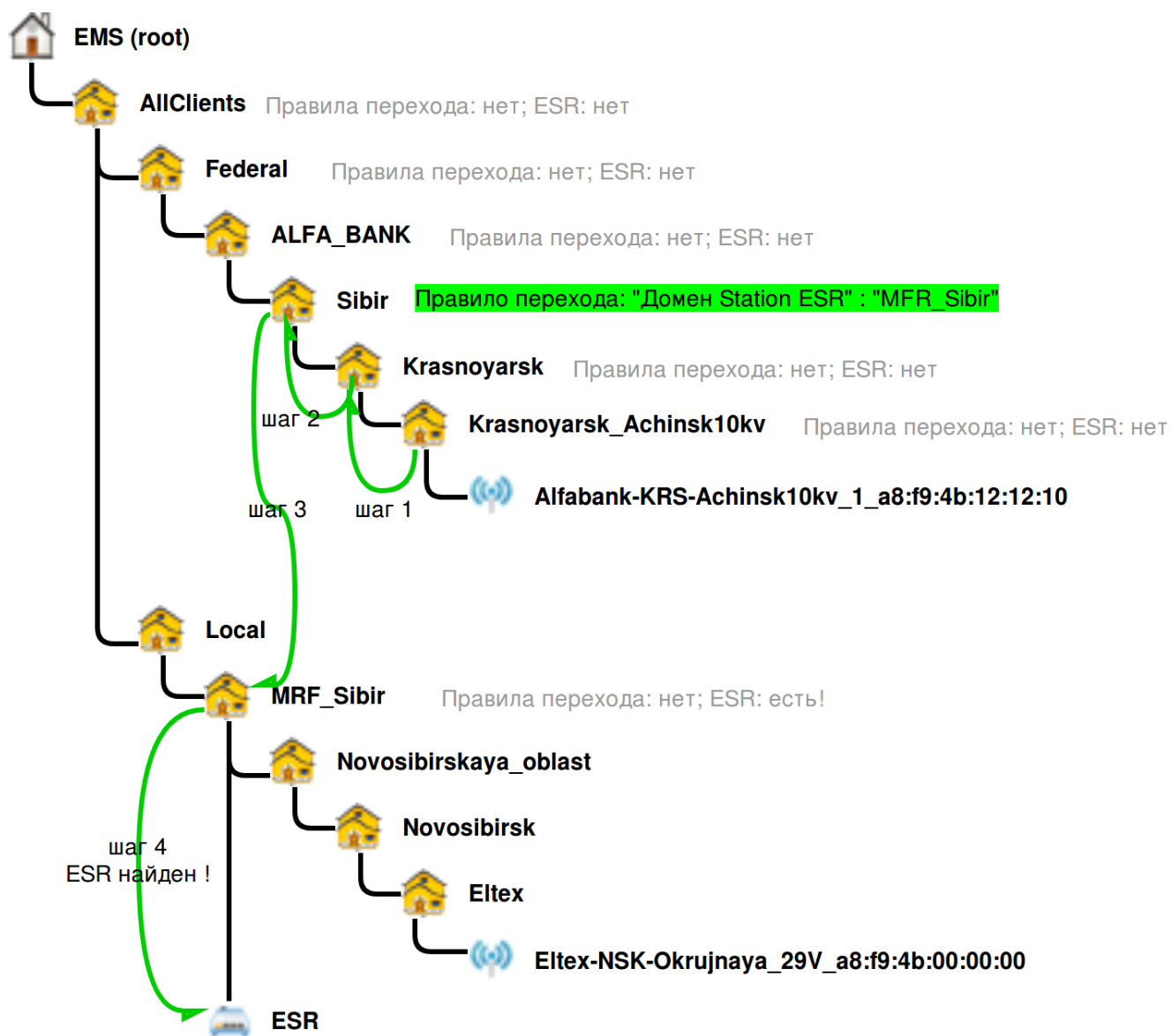






. 4.1.

. 4.2 , ESR, -:

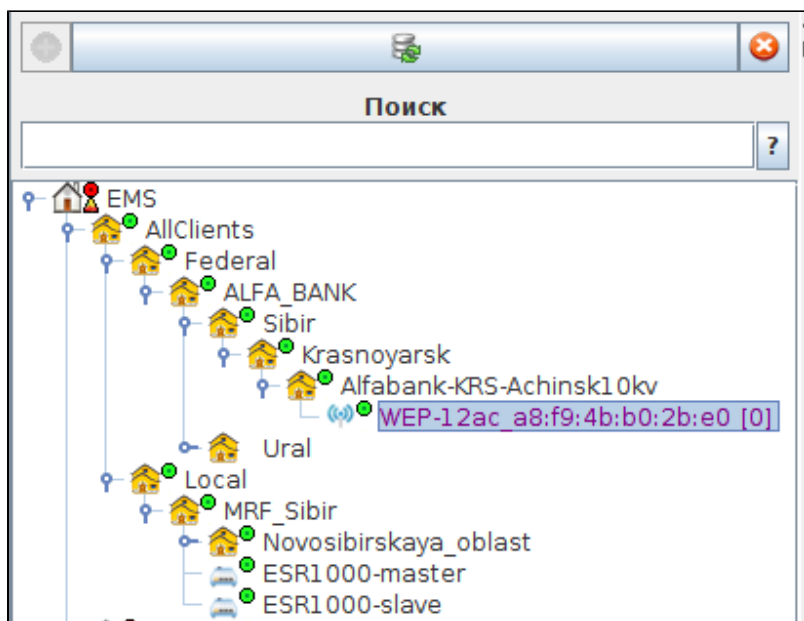


. 4.2.

- 1: Krasnoayarsk\_Achinsk10kv :; ESR, -; Krasnoyarsk;
- 2: Krasnoayarsk :; ESR, -; Sibir;
- 3: Sibir : , MRF\_Sibir; ( , );
- 4: MRF\_Sibir :; ESR, -; ESR !

## 5. ESR EMS

. 5.1 "Alfabank-KRS-Achinsk10kv.Krasnoyarsk.Sibir.ALFA\_BANK.Federal.AllClients.root". ESR, GRE 43-, "MRF\_Sibir.Local.AllClients.root". ESR , ESR, ESR.




. 5.1.

(. 5.1) ESR "MRF\_Sibir.Local.AllClients.root", , .. , . , . , ESR, , , , "Sibir" ESR, "MRF\_Sibir" - ESR "Sibir" ("Sibir.ALFA\_BANK.Federal.AllClients.root"), , "Sibir" ESR, - . ESR "Sibir" "" (. 5.2).

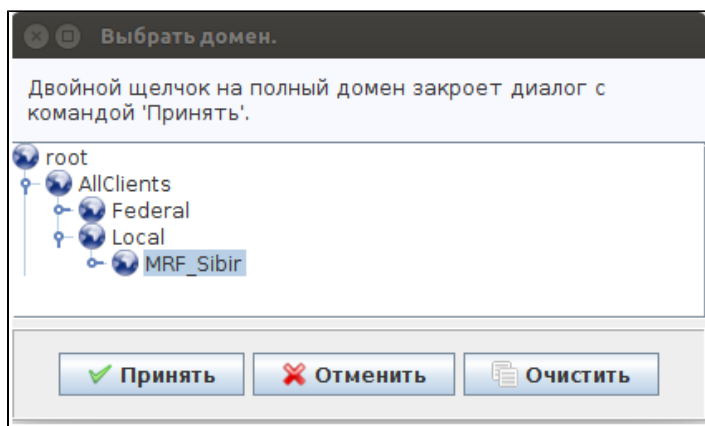
. 5.2.

ESR "Station ESR". "" "" . (. 5.3):

. 5.3.

ESR,  "station ESR". (. 5.4), , , ESR, :

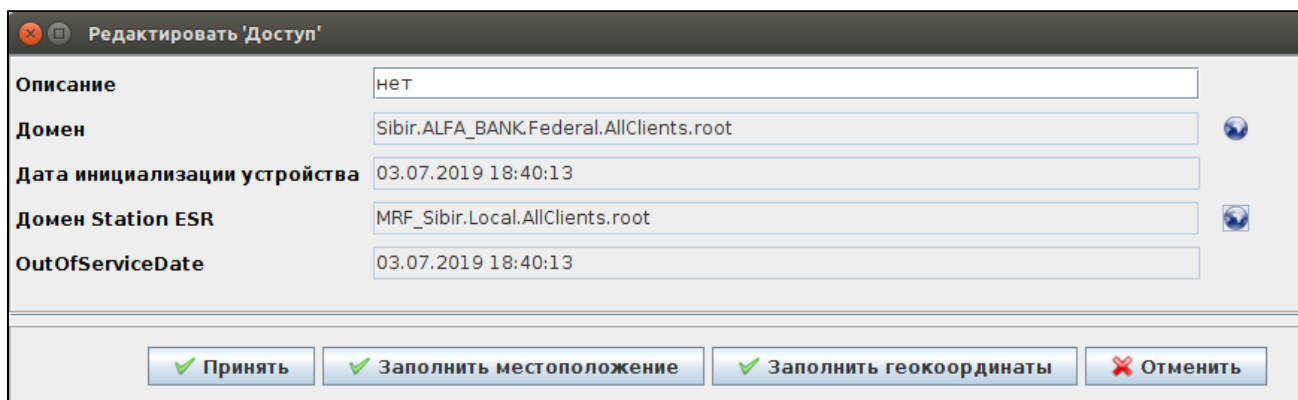




. 5.4.

"".

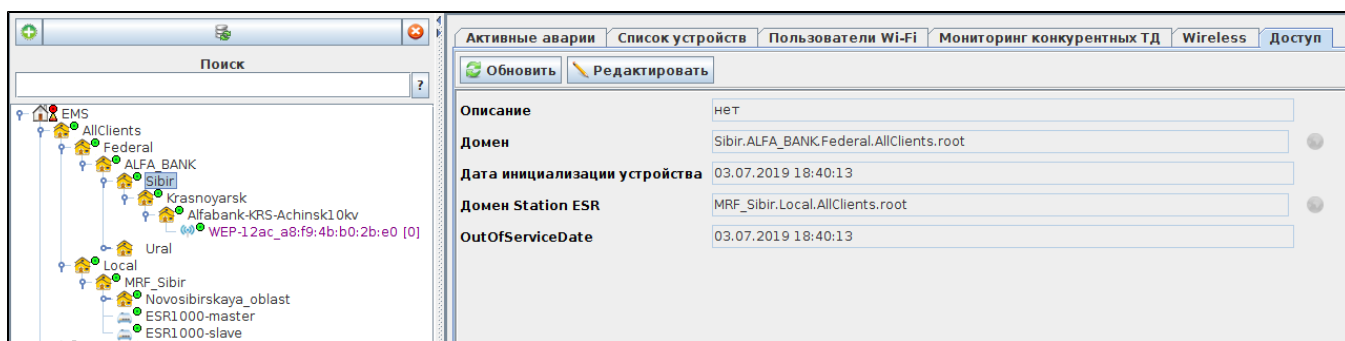
ESR " Station ESR" , , ESR - (. 5.5).



. 5.5.

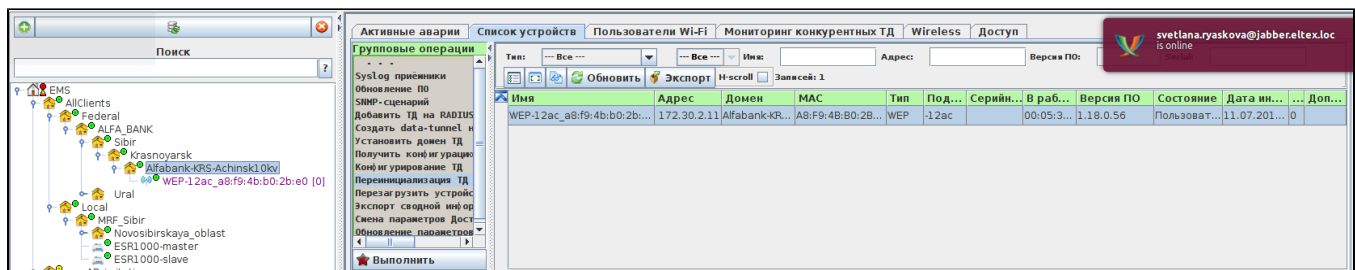
"" , .

. 5.6, , "" " Station ESR" , ESR -.



. 5.6.

, , , - (. 5.7).



5.7.

ESR 172.30.2.11 MRF\_Sibir.Local.AllClients.root

- ESR1000-slave 100.123.0.174

- ESR1000-master 100.123.0.173

Tunnel IP = "192.168.253.11"

'data-tunnel create' ESR NAS ip 100.123.0.174

'data-tunnel create' ESR NAS ip 100.123.0.173

, ESR - .

```

12.07.2019 14:39:55 'WEP-12ac_a8:f9:4b:b0:2b:e0' (172.30.2.11)
12.07.2019 14:39:55
'WEP-12ac_a8:f9:4b:b0:2b:e0'
( 'MAC a8:f9:4b:b0:2b:e0')
ConfigurationTemplate = ;
FirmwareUpdateEnabled = false;
FirmwareUpdateProtocol = HTTP;
NEED_RESET = false;
RadiusApSecret = eltex;
SnmpReadOnlyCommunity = public;
SnmpReadWriteCommunity = private;
SnmpTransportType = TCP;
TreeNodeDomain = Alfabank-KRS-Achinsk10kv.Krasnoyarsk.Sibir.ALFA_BANK.Federal.AllClients.root;
DeviceName = ;
KeyType = MAC;
KEY = a8:f9:4b:b0:2b:e0;
12.07.2019 14:39:56 1:
12.07.2019 14:39:56 2: RADIUS NAS
12.07.2019 14:39:56 3:
12.07.2019 14:39:56 4:
12.07.2019 14:39:56 5:
12.07.2019 14:39:56 , .
12.07.2019 14:39:56 6: 'Alfabank-KRS-Achinsk10kv.Krasnoyarsk.Sibir.ALFA_BANK.Federal.AllClients.root' 'WEP-12ac_a8:f9:4b:b0:2b:e0'
(172.30.2.11)
12.07.2019 14:39:56 'Alfabank-KRS-Achinsk10kv.Krasnoyarsk.Sibir.ALFA_BANK.Federal.AllClients.root' 'WEP-12ac_a8:f9:4b:b0:2b:e0'
(172.30.2.11)
12.07.2019 14:39:56 7: WEP-12ac_a8:f9:4b:b0:2b:e0 (mng ip 172.30.2.11)
ESR 172.30.2.11 MRF_Sibir.Local.AllClients.root
- ESR1000-slave 100.123.0.174
- ESR1000-master 100.123.0.173
Tunnel IP = "192.168.253.11"
'data-tunnel create' ESR NAS ip 100.123.0.174
'data-tunnel create' ESR NAS ip 100.123.0.173
12.07.2019 14:39:56 8: SSID
12.07.2019 14:39:56 :
'i-alfa-10[ALFA_BANK.Federal.AllClients.root]@Alfabank-KRS-Achinsk10kv.Krasnoyarsk.Sibir.ALFA_BANK.Federal.AllClients.root',
'i-alfa-11[ALFA_BANK.Federal.AllClients.root]@Alfabank-KRS-Achinsk10kv.Krasnoyarsk.Sibir.ALFA_BANK.Federal.AllClients.root'.
12.07.2019 14:39:56 8.1:
12.07.2019 14:39:57 8.2: SSID
12.07.2019 14:39:57 SSID:
'i-alfa-10 (Radio 1, 2.4Ghz)',
'i-alfa-11 (Radio 1, 2.4Ghz)'.
12.07.2019 14:39:57 8.3: SSID
12.07.2019 14:39:57 SSID
12.07.2019 14:39:57 8.4:
12.07.2019 14:40:02 SSID 'i-alfa-10' Radio 1
12.07.2019 14:40:08 SSID 'i-alfa-11' Radio 1
12.07.2019 14:40:08 'WEP-12ac_a8:f9:4b:b0:2b:e0' (172.30.2.11) .
12.07.2019 14:40:08

:

'data-tunnel create' ESR NAS ip 100.123.0.175

PCRF NBI: CoA 100.123.0.175: Timeout: No Response from RADIUS Server

, ESR.

:

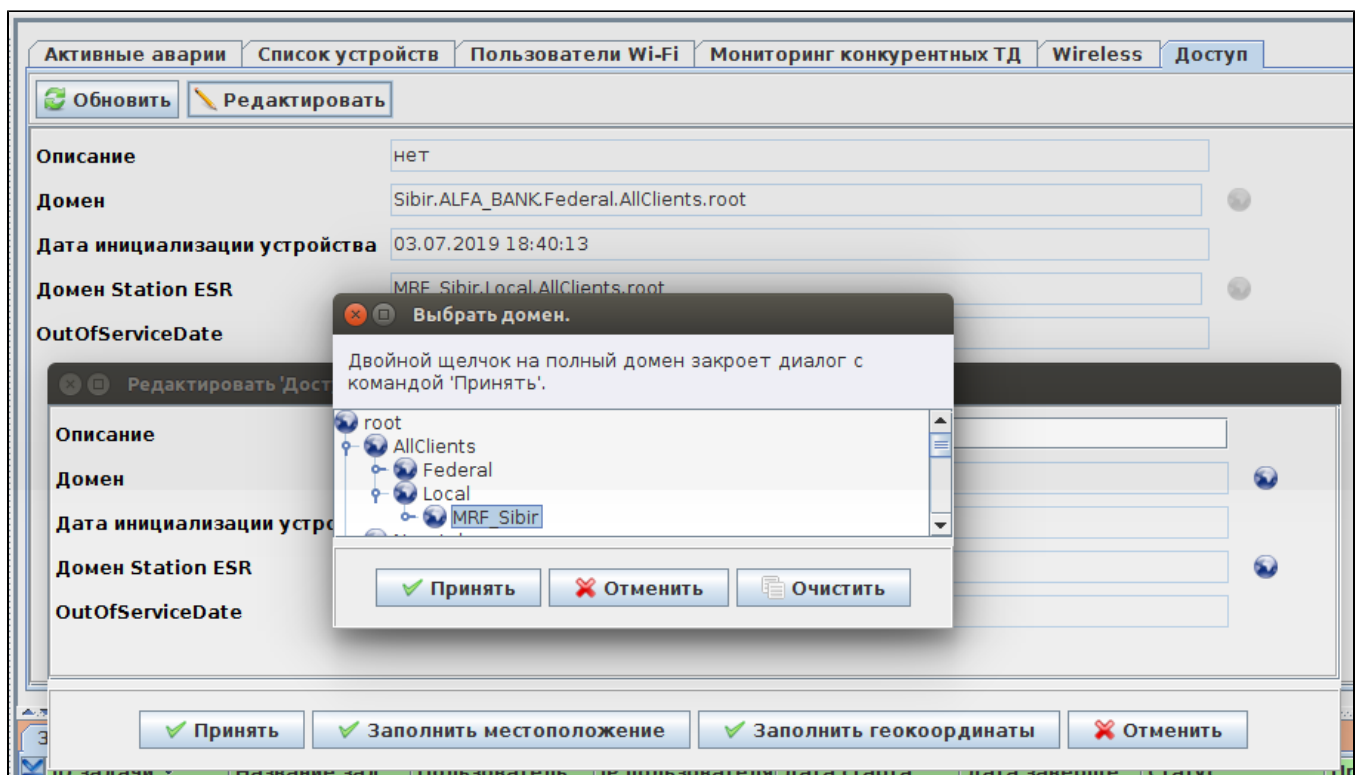
12.07.2019 15:04:14 7: WEP-12ac_a8:f9:4b:b0:2b:e0 (mng ip 172.30.2.11)

ESR 172.30.2.11

, ESR . , .. , - data-tunnel create ESR .

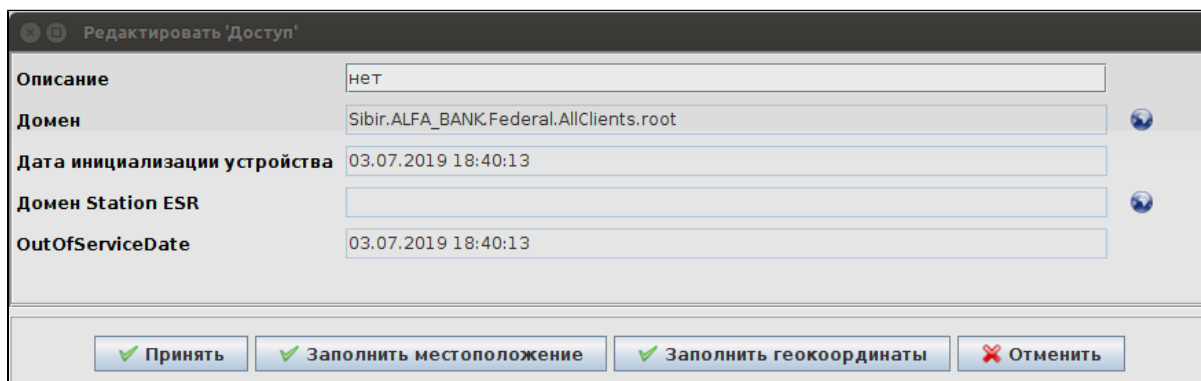
ESR - , , "", "", " Station ESR" "" (. 5.8 ):

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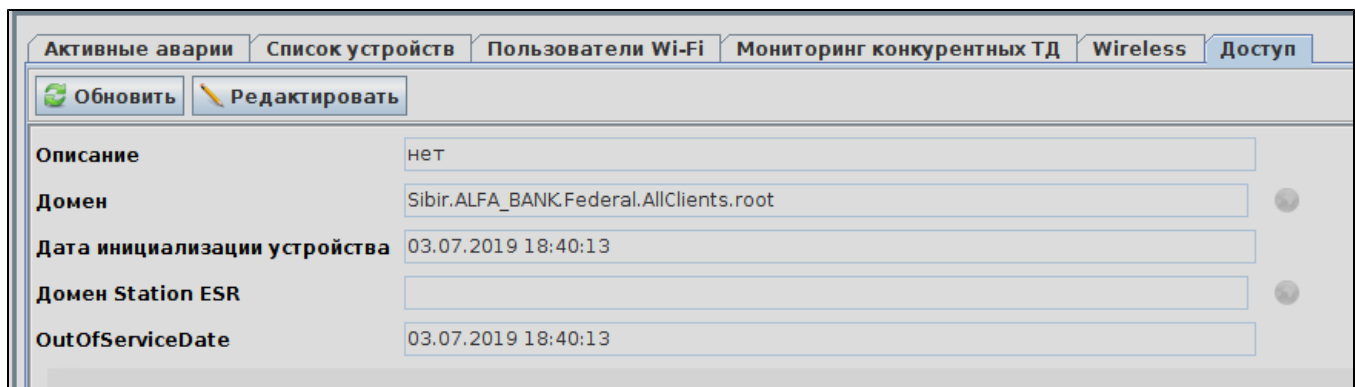
. 5.8.

" Station ESR" (. 5.9):



. 5.9.

"", ( 5.10):



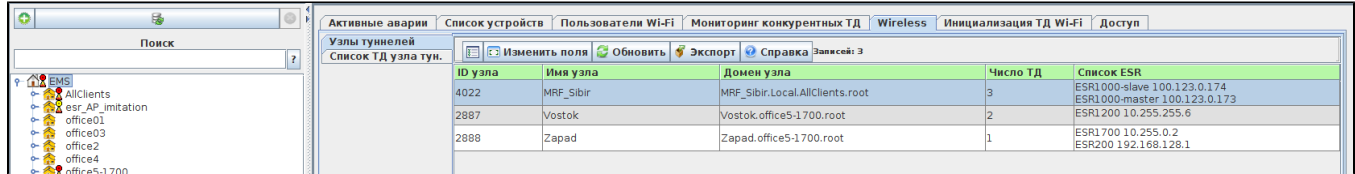
ESR, - .

!!! , // ESR "Station ESR", , !

## 6. ESR, ESR -

, ESR "Wireless", . ESR , , .

. 6.1. , ESR:

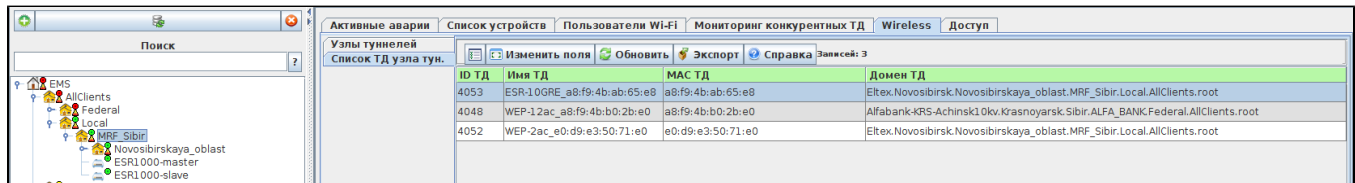


. 6.1.

. 6.1 "Wireless" " " :

- "ID" -
- " " - , ESR
- " " - , ESR
- " " - ESR-10, ESR .! , , . , ( " " " ) "tunnel ip".
- " ESR" - ESR, - . , , ESR " " " ESR": "Station". ESR, .. .! EMS , ESR - !

, , ESR , ESR, "Wireless" " " (.6.2).



. 6.2.

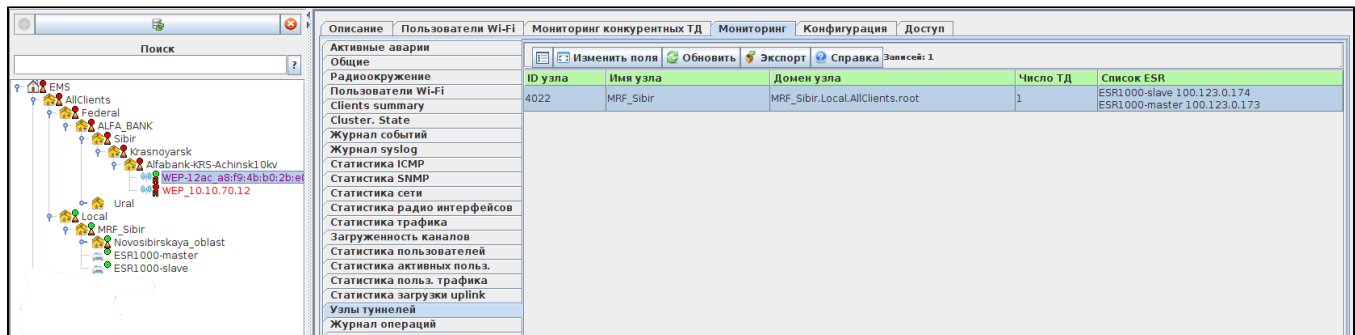
. 6.2 :

- "ID" -
- " " -
- "MAC" - mac ( ESR-10)
- " " -

, - ESR, . " " .

ESR, -, , - .

, ESR ( ESR-10) . , " " " (.6.3).



. 6.3.

. 6.3 :

"ID" -

" " - , ESR,

" " - , ESR,

" ESR" - ESR, ... ESR, ..

8. ESR

ESR :

- 1. , ESR - ( ).
- 2. , ESR, -... ESR .
- 3. .
- 4. - , .
- 5. , ESR, -.