

Wi-Fi



ESR-100/200/1000/1200/1700/3100 .

- [aaa das-profile](#)
- [aaa radius-profile](#)
- [data-tunnel configuration](#)
- [enable](#)
- [failure-count](#)
- [internal-usage-vlan](#)
- [keepalive mode](#)
- [keepalive-disable](#)
- [nas-ip-address](#)
- [peer-address](#)
- [resp-time](#)
- [retry-time](#)
- [show interfaces bridge switch-communities](#)
- [show interfaces bridge switch-communities community](#)
- [show interfaces bridge switch-communities community include](#)
- [show interfaces bridge switch-communities summary](#)
- [show wireless-controller access-points](#)
- [thresholds tunnels-number](#)
- [thresholds sub-tunnels-number](#)
- [vrrp-group](#)
- [wireless-controller](#)

aaa das-profile

(DAS), CoA- PCRF .

(no) (DAS).

```
[no] aaa das-profile <NAME>
```

<NAME> – (DAS), 31 .

15

CONFIG-WIRELESS

```
esr(config-wireless)# aaa das-profile profile1
```

aaa radius-profile

RADIUS-, SoftGRE DATA (SSID).

(no) RADIUS-.

```
[no] aaa radius-profile <NAME>
```

<NAME> – RADIUS-, 31 .

CONFIG-WIRELESS

```
esr(config-wireless)# aaa radius-profile profile1
```

data-tunnel configuration

SoftGRE DATA .

(no) .

```
data-tunnel configuration { local | radius }
no data-tunnel configuration
```

local – , SoftGRE DATA .

radius – , SoftGRE DATA RADIUS-.

CONFIG-WIRELESS

```
esr(config-wireless)# data-tunnel configuration radius
```

enable

Wi-Fi.

(no) Wi-Fi.

```
[no] enable
```

.

.

CONFIG-WIRELESS

```
esr(config-wireless)# enable
```

failure-count

ICMP- , , .

(no) .

```
[no] failure-count <VALUE>
```

<VALUE> – ping-, [1..100].

5

10

CONFIG-WIRELESS

```
esr(config-wireless)# failure-count 8
```

internal-usage-vlan

VLAN, switch-community

(no) .

```
[no] internal-usage-vlan <VLAN_List>
```

<VLAN_List> – VLAN, [2 .. 4094].

VLAN «,» VLAN «-».

.

10

CONFIG-WIRELESS

```
esr(config-wireless)# internal-usage-vlan 1001-2037,2500-3000,3200-3700
```

keepalive mode

keepalive SoftGRE-.

(no) .

```
keepalive mode { proactive | reactive }
no keepalive mode
```

- proactive – SoftGRE- icmp- ;
- reactive – SoftGRE- icmp- payload: "ELTEX_GRE IPv4 < ip address >" .

proactive

10

CONFIG-WIRELESS

```
esr(config-wireless)# keepalive mode reactive
```

keepalive-disable

ICMP-, Wi-Fi .

(no) ICMP-.

[no] keepalive-disable

.

10

CONFIG-WIRELESS

```
esr(config-wireless)# keepalive-disable
```

nas-ip-address

IP-, IP- RADIUS-.

(no) IP- .

```
nas-ip-address <ADDR>
```

```
no nas-ip-address
```

<ADDR> – IP- , AAA.BBB.CCC.DDD, [0..255].

15

CONFIG-WIRELESS

```
esr(config-wireless)# nas-ip-address 10.100.100.2
```

peer-address

IP- , .
(no) IP- .

[no] peer-address <ADDR>

<ADDR> – IP- , AAA.BBB.CCC.DDD, [0..255].

10

CONFIG-WIRELESS

```
esr(config-wireless)# peer-address 192.168.0.15
```

resp-time

, ICMP- .
resp-time .

[no] resp-time <TIME >

<TIME > – , [1..30].

5

10

CONFIG-WIRELESS

```
esr(config-wireless)# resp-time 30
```

retry-time

ICMP.

(no) retry-time .

[no] retry time < TIME >

< TIME > - , [60..3600].

10

60

CONFIG-WIRELESS

```
esr(config-wireless)# retry-time 12
```

show interfaces bridge switch-communities

switch-community.

show interfaces bridge switch-communities [<BRIDGE-ID>]

<BRIDGE-ID> - , , .

1

ROOT

```

esr# show interfaces bridge switch-communities
bridge 10
Location
Interfaces
-----
-----
data10      Eltex.Novosibirsk.Novosibirskaya_oblast  softgre 2.10, softgre 4.10,
softgre 6.10,
            .MRF_Sibir.Local.AllClients.root  softgre
8.10

data10      TEST.Novosibirsk.Novosibirskaya_oblast  softgre 2.310, softgre 4.310,
softgre
            .MRF_Sibir.Local.AllClients.root  6.310, softgre
8.310

bridge 11
Location
Interfaces
-----
-----
data11      Eltex.Novosibirsk.Novosibirskaya_oblast  softgre 2.311, softgre 4.311,
softgre
            .MRF_Sibir.Local.AllClients.root  6.311, softgre 8.311

```

show interfaces bridge switch-communities community

switch-community, EMS.

show interfaces bridge switch-communities community <EMS-DOMAIN> [<BRIDGE-ID>]

<EMS-DOMAIN> – EMS, WORD(1-246).

<BRIDGE-ID> – , , .

1

ROOT

```

esr# show interfaces bridge switch-communities community Eltex.Novosibirsk.Novosibirskaya_oblast.MRF_Sibir.
Local.AllClients.root
bridge 10
Location
Community
Interfaces
-----
data10
softgre 6.10,
8.10
Eltex.Novosibirsk.Novosibirskaya_oblast
softgre 2.10, softgre 4.10,
.MRF_Sibir.Local.AllClients.root
softgre

bridge 11
Location
Community
Interfaces
-----
data11
softgre
Eltex.Novosibirsk.Novosibirskaya_oblast
softgre 2.311, softgre 4.311,
.MRF_Sibir.Local.AllClients.root
6.311, softgre 8.311

```

show interfaces bridge switch-communities community include

switch-community, EMS.

show interfaces bridge switch-communities community include <WORD> [<BRIDGE-ID>]

<WORD> -, EMS, WORD(1-246).

<BRIDGE-ID> -, , .

1

ROOT

```

esr# show interfaces bridge switch-communities community include eltex
bridge 10
Location
Community
Interfaces
-----
data10
softgre 6.10,
8.10
Eltex.Novosibirsk.Novosibirskaya_oblast
softgre 2.10, softgre 4.10,
.MRF_Sibir.Local.AllClients.root
softgre

bridge 11
Location
Community
Interfaces
-----
data11
softgre
Eltex.Novosibirsk.Novosibirskaya_oblast
softgre 2.311, softgre 4.311,
.MRF_Sibir.Local.AllClients.root
6.311, softgre 8.311

```


show interfaces bridge switch-communities summary

switch-community.

show interfaces bridge switch-communities summary [<BRIDGE-ID>]

<BRIDGE-ID> – , , .

1

ROOT

```
esr# show interfaces bridge switch-communities summary
Bridges      Communities
-----
bridge 10     2
bridge 11     1
```

show wireless-controller access-points

- :
- mac-;
 - ;
 - ;
 - -.

show wireless-controller access-points [mac <ADDR> | management-ip <ADDR> | remote-ip <ADDR>]

mac <ADDR> – MAC- , , XX:XX:XX:XX:XX:XX, [00..FF];
management-ip <ADDR> – IP- , , AAA.BBB.CCC.DDD, [0..255];
remote-ip <ADDR> – IP-, , , AAA.BBB.CCC.DDD, [0..255].

1

ROOT

```
esr# show wireless-controller access-points
```

MAC adress	Remote IP	Management IP	Sub tunnels
e0:d9:e3:73:07:61	100.124.0.36	10.102.14.216	softgre 1.1, softgre 2.12, softgre 2.14
a8:f9:4b:b0:2c:c1	100.124.0.34	10.102.29.229	softgre 3.1, softgre 4.12, softgre 4.122, softgre 4.321, softgre 4.322, softgre 4.323, softgre 4.489, softgre 4.2408
a8:f9:4b:ac:ae:aa	100.124.0.231	10.102.16.73	softgre 5.1, softgre 6.12, softgre 6.122, softgre 6.321, softgre 6.322, softgre 6.323, softgre 6.489, softgre 6.2408
00:00:2a:d9:d8:a7	10.10.45.2	10.102.17.248	softgre 7.1, softgre 8.12, softgre 8.2011, softgre 8.2013
00:00:2a:d9:d8:a5	10.10.45.1	10.102.18.115	softgre 9.1, softgre 10.12, softgre 10.2011, softgre 10.2013
00:00:2a:d9:d8:a9	10.10.45.3	10.102.18.196	softgre 11.1, softgre 12.12, softgre 12.2011, softgre 12.2013

```
esr# show wireless-controller access-points remote-ip 100.124.0.231
```

MAC adress	Remote IP	Management IP	Sub tunnels
a8:f9:4b:ac:ae:aa	100.124.0.231	10.102.16.73	softgre 5.1, softgre 6.12, softgre 6.122, softgre 6.321, softgre 6.322, softgre 6.323, softgre 6.489, softgre 6.2408

thresholds tunnels-number

SoftGRE snmp-trap eltexInterfacesNumberHigh eltexInterfacesNumberHighOk.

(no) .

```
thresholds tunnels-number { high <TH-HIGH> | low <TH-LOW> }
```

```
no thresholds tunnels-number { high | low }
```

<TH-HIGH> – SoftGRE snmp-trap eltexInterfacesNumberHigh;

<TH-LOW> – SoftGRE snmp-trap eltexInterfacesNumberHighOk.

ESR-1000 <TH-HIGH> – 900, <TH-LOW> – 850

ESR-100 ESR-200 <TH-HIGH> – 400, <TH-LOW> – 350

10

CONFIG-WIRELESS

```
esr(config-wireless)# thresholds tunnels-number high 1000
```

thresholds sub-tunnels-number

SoftGRE snmp-trap eltexInterfacesNumberHigh eltexInterfacesNumberHighOk.
(no) .

```
thresholds sub-tunnels-number { high <TH-HIGH> | low <TH-LOW> }  
no thresholds sub-tunnels-number { high | low }
```

<TH-HIGH> – SoftGRE snmp-trap eltexInterfacesNumberHigh ;
<TH-LOW> – SoftGRE snmp-trap eltexInterfacesNumberHighOk.

ESR-1700, ESR-1200 <TH-HIGH> – 7000, <TH-LOW> – 7500
ESR-3100 <TH-HIGH> – 7800, <TH-LOW> – 7600
ESR-1000 <TH-HIGH> – 2500, <TH-LOW> – 2000
ESR-100 ESR-200 <TH-HIGH> – 1000, <TH-LOW> – 900

10

CONFIG-WIRELESS

```
esr(config-wireless)# thresholds sub-tunnels-number high 2000
```

vrrp-group

VRRP-, (/) Wi-Fi .
(no) VRRP.

```
vrrp-group <GRID>  
no vrrp-group
```

<GRID> – VRRP-, [1..32].

10

CONFIG-WIRELESS

```
esr(config-wireless)# vrrp-group 10
```

wireless-controller

Wi-Fi.

(no) Wi-Fi.

[no] wireless-controller

.

10

CONFIG

```
esr(config)# wireless-controller
```