

# VoIP



ESR-12V/12VF/14VF.

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## SIP

### SIP-

#### **sip profile**

SIP- .

(no) SIP-.

[np] sip profile <NUM>

<NUM> – SIP-, 1 5.

10

## CONFIG

```
esr(config)# sip profile 1
```

### **codec-packettime g711**

G711. – RTP-.

(no) .

```
codec-packettime g711 <PTIME>
no codec-packettime g711
```

<PTIME> – , [10, 20, 30, 40, 50, 60].

20

10

## CONFIG-SIP-PROFILE

```
esr(config-sip-profile)# codec-packettime g711 50
```

### **codec-packettime g723**

G723. – RTP-.

(no) .

```
codec-packettime g723 <PTIME>
no codec-packettime g723
```

<PTIME> – , [30, 60, 90].

30

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CONFIG-SIP-PROFILE

```
esr(config-sip-profile)# codec-packettime g723 60
```

### codec-packettime g729

G729. – RTP-.  
(no) .

```
codec-packettime g729 <PTIME>
```

```
no codec-packettime g729
```

```
<PTIME> – , [10, 20, 30, 40, 50, 60, 70, 80].
```

20

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CONFIG-SIP-PROFILE

```
esr(config-sip-profile)# codec-packettime g729 70
```

### conference type

```
no conf_mode .
```

```
conference type <MODE>
```

```
no conf_mode
```

```
<MODE> – . :
```

- local – «flash+3»;
- remote – : «flash+3» Invite , « ». , RFC4579.

local

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CONFIG-SIP-PROFILE

```
esr(config-sip-profile)# conference type remote
```

### conference uri address

SIP-URI: user@address:port.

(no) .

```
conference uri address { <ADDR> | <NAME> }  
[no] conference uri address
```

<ADDR> – ipv4- .  
IP-, AAA.BBB.CCC.DDD, [0..255].  
<NAME> – DNS- . – example.loc.

.

### CONFIG-SIP-PROFILE

```
esr(config-sip-profile)# conference uri address sipnetwork.loc
```

### conference uri port

SIP-URI: user@address:port.

(no) .

```
conference uri port <PORT>  
no conference uri port
```

<PORT> – TCP/UDP- c , [1..65535].

5060

.

### CONFIG-SIP-PROFILE

```
esr(config-sip-profile)# conference uri port 5066
```

### conference uri user

SIP-URI: user@address:port.

(no) .

```
conference uri user <USER>
```

```
no conference uri user
```

```
<USER>- , 31 .
```

```
conf
```

```
10
```

### CONFIG-SIP-PROFILE

```
esr(config-sip-profile)# conference uri user conference
```

### description

SIP-.

(no) SIP-.

```
description <DESCRIPTION>
```

```
no description
```

```
<DESCRIPTION>- SIP-, 255 .
```

```
10
```

### CONFIG-SIP-PROFILE

### CONFIG-VOIP-PROFILE

```
esr(config-sip-profile)# description "first sip profile"
```

**dialplan pattern**

SIP-.

(no) .

dialplan pattern &lt;DNAME&gt;

no dialplan pattern

&lt;DNAME&gt;- , 31 .

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**CONFIG-SIP-PROFILE**

esr(config-sip-profile)# dialplan pattern dialplanName

**echo-caceller**

SIP-.

(no) .

[no] echo-canceller

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**CONFIG-SIP-PROFILE**

esr(config-sip-profile)# echo-canceller

**enable**

SIP-.

(no) SIP-.

```
[no] enable
```

SIP- .

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CONFIG-SIP-PROFILE

```
esr(config-sip-profile)# enable
```

### **fax protocol t38**

T.38 – re-invite T.38 .

(no) T.38.

```
[no] fax protocol t38
```

t38 .

10

CONFIG-SIP-PROFILE

```
esr(config-sip-profile)# fax protocol t38
```

### **fax protocol t38 redundant**

T.38, , T.38. .

(no) T.38.

```
fax protocol t38 redundant <SIZE>
```

```
no fax protocol t38 redundant
```

<SIZE> – , T.38, 0, 1, 2.

0

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#### CONFIG-SIP-PROFILE

```
esr(config-sip-profile)# fax protocol t38 redundant 2
```

#### ims call-holding

```
« ». XML Notify, / « ». , «call-hold», :  
<call-hold active="true"/>  
:  
<call-hold active="false"/>  
(no) .
```

```
ims call-holding <NAME>  
no ims call-holding
```

```
<NAME> - « », 31 .
```

call-hold

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#### CONFIG-SIP-PROFILE

```
esr(config-sip-profile)# ims call-holding hold
```

#### ims call-transfer

```
« ». XML Notify, / « ». , «call-transfer», :  
<call-transfer active="true"/>  
:  
<call-transfer active="false"/>  
(no) .
```

```
ims call-transfer <NAME>  
no ims call-transfer
```

```
<NAME> - « », 31 .
```

explicit-call-transfer

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CONFIG-SIP-PROFILE

```
esr(config-sip-profile)# ims call-transfer transfer
```

### ims call-waiting

```
« ». XML Notify, / « ». , «call-waiting», :  
<call-waiting active="true"/>  
:  
<call-waiting active="false"/>  
(no) .
```

```
ims call-waiting <NAME>  
no ims call-waiting
```

```
<NAME> - « », 31 .
```

call-waiting

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CONFIG-SIP-PROFILE

CONFIG-VOIP-PROFILE

```
esr(config-sip-profile)# ims call-waiting wait
```

### ims conference

```
« » - XML Notify, / « ». , «three-party-conference», :  
< three-party-conference active="true"/>  
:  
< three-party-conference active="false"/>  
(no) .
```

```
ims conference <NAME>
no ims conference
```

<NAME> - «», 31.

three-party-conference

10

CONFIG-SIP-PROFILE

```
esr(config-sip-profile)# ims conference conf
```

### **ims hotline**

```
«» - XML Notify, «». ., «hot-line-service» 30001 6 - :
<hot-line-service>
<addr>30001</addr>
<timeout>6</timeout>
</hot-line-service>
(no) .
```

```
ims hotline <NAME>
no ims hotline
```

<NAME> - «», 31.

hot-line-service

10

CONFIG-SIP-PROFILE

```
esr(config-sip-profile)# ims hotline hot
```

### **ims type**

IMS.

(no) IMS.

```
ims type <MODE>
no ims type
```

<MODE> - IMS, :

- implicit -- IMS (*IP Multimedia Subsystem*). «»( RFC4579), «», «», «»( , ) IMS Notify, / XCAP (- XML, RFC4825).  
SUBSCRIBE NOTIFY-, IMS, . «»- XML Notify, / «». , «call-hold», :  
<call-hold active="true"/>  
:  
<call-hold active="false"/>
- explicit -- IMS (*IP Multimedia Subsystem*). «»( RFC 4579), «», «», «»( , ) IMS Notify, / XCAP (- XML , RFC4825).  
SUBSCRIBE , NOTIFY , IMS, .

IMS.

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CONFIG-SIP-PROFILE

```
esr(config-sip-profile)# ims type implicit
```

### **payload dtmf**

RFC2833.

(no) .

```
payload dtmf <TYPE>
no payload dtmf
```

<TYPE> - RFC2833, - [96..127].

96

10

CONFIG-SIP-PROFILE

```
esr(config-sip-profile)# payload dtmf 101
```

### **rtcp**

RTCP .

(no) RTCP.

[no] rtcp

/ RTCP.

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#### CONFIG-SIP-PROFILE

```
esr(config-sip-profile)# rtcp
```

#### **rtcp extend-reports**

RTCP Extended Reports RFC 3611.

(no) RTCP Extended Reports.

[no] rtcp extend-reports

RTCP Extended Reports .

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#### CONFIG-SIP-PROFILE

```
esr(config-sip-profile)# rtcp extend-reports
```

#### **rtcp keepalive**

RTCP, . . . RTCP-, ESR-12V/12VF/14VF .

(no) . .

rtcp keepalive <TIME>

no rtcp timer

```
<TIME> - RTCP , [1..30].
```

5

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#### CONFIG-SIP-PROFILE

```
esr(config-sip-profile)# rtcp keepalive 25
```

#### rtcp tx-period

RTCP.

(no) .

```
rtcp tx-period <TIME>
no rtcp period
```

```
<TIME> - RTCP , -[1..60].
```

5

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#### CONFIG-SIP-PROFILE

```
esr(config-sip-profile)# rtcp tx-period 40
```

#### session expires-timer

RFC2028 ( 90 1800 , 120 ).

(no) .

```
session expires-timer <TIME>
no session expires-timer
```

```
<TIME> - , [90..1800].
```

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#### CONFIG-SIP-PROFILE

```
esr(config-sip-profile)# session expires-timer 180
```

#### session keepalive

,

,

(no) .

```
session keepalive <TIME>
```

```
no session keepalive
```

<TIME> - , [90..80000].

1800

10

#### CONFIG-SIP-PROFILE

```
esr(config-sip-profile)# session keepalive 900
```

#### session timer disable

timer (RFC 4028).

(no) RFC4028.

[no] session timer disable

10

#### CONFIG-SIP-PROFILE

```
esr(config-sip-profile)# session timer disable
```

### **silence-detect**

(no) .

[no] silence-detect

10

### **CONFIG-SIP-PROFILE**

```
esr(config-sip-profile)# silence-detect
```

### **sip-domain address**

SIP-, .

(no) SIP-, .

    sip-domain address { <ADDRESS> | <NAME> }

    no sip-domain address

    <ADDRESS> – SIP-, , ipv4- .

    <NAME> – DNS- SIP-, – example.loc.

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### **CONFIG-SIP-PROFILE**

```
esr(config-sip-profile)# sip-domain address sip.network.com
```

**sip-domain registration enable**

SIP Domain (SIP- Request-Line Register).

(no) SIP Domain .

[no] sip-domain registration enable

SIP Domain .

10

**CONFIG-SIP-PROFILE**

```
esr(config-sip-profile)# sip-domain registration enable
```

**sip-domain registration retry**

, SIP-. 2/3 .

(no) .

sip-domain registration retry <INTERVAL>

no sip-domain registration retry

<INTERVAL> – , SIP-. [30..10000].

1800

10

**CONFIG-SIP-PROFILE**

```
esr(config-sip-profile)# sip-domain registration retry 900
```

**source-address**

– NAT (). (WAN) (NAT), ESR-12V/12VF/14VF.

(no) .

```
source-address <IPv4 address>
```

```
no source-address
```

<IPv4 address> – (WAN) (NAT), ESR-12V/12VF/14VF.

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#### CONFIG-SIP-PROFILE

```
esr(config-sip-profile)# source-address 232.104.45.12
```

#### transfer dtmf

DTMF.

(no) .

```
transfer dtmf <MODE>
```

```
no transfer dtmf
```

<MODE> – DTMF, :

- info – SIP INFO;
- inband – ;
- rfc-2833 – RFC2833 RTP.

rfc-2833

10

#### CONFIG-SIP-PROFILE

```
esr(config-sip-profile)# transfer dtmf inband
```

#### transfer flash

Flash.

(no) .

```
transfer flash <MODE>
```

```
no transfer flash
```

<MODE> - Flash, :

- ssc - SIP INFO. flash Application /sscc event flashhook.
- dtmf - SIP INFO. flash Application /dtmf -relay signal =hf.
- hook-flash - SIP INFO. flash Application /Hook Flash signal =hf.
- broadsoft - SIP INFO. flash Application /Broadsoft event flashhook.

hook-flash

10

CONFIG-SIP-PROFILE

```
esr(config-sip-profile)# transfer flash dtmf
```

## SIP PROXY

**proxy primary**

SIP-.

(no) SIP-.

```
[no] proxy primary
```

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CONFIG-SIP-PROFILE

```
esr(config-sip-profile)# proxy primary
```

**proxy primary keepalive**

(no) .

```
proxy primary keepalive <PERIOD>
```

```
no proxy primary keepalive
```

```
<PERIOD> – SIP-, [10..3600].
```

30

10

#### CONFIG-SIP-PROFILE

```
esr(config-sip-profile)# proxy primary keepalive 60
```

#### proxy primary mode

SIP-.

(no) .

```
proxy primary mode <MODE>
```

```
no proxy primary mode
```

```
<MODE> – SIP-, :
```

- parking – SIP- SIP-;
- homing – SIP- SIP-.

homing

15

#### CONFIG-SIP-PROFILE

```
esr(config-sip-profile)# proxy primary mode parking
```

#### proxy secondary

SIP-.

(no) SIP-.

```
proxy secondary <NUM>
```

```
no proxy secondary
```

<NUM> – SIP-, [1..4].

10

#### CONFIG-SIP-PROFILE

```
esr(config-sip-profile)# proxy secondary 2
```

##### **enable**

SIP-.

(no) SIP-.

[no] enable

SIP- .

10

#### CONFIG-VOIP-SIP-PROXY

```
esr(config-voip-sip-proxy)# enable
```

##### **ip address proxy-server**

IP- -.

(no) .

```
ip address proxy-server { <ADDR> | <NAME> }  
no ip address proxy-server
```

<ADDR> – -, ipv4- . ipv4- .

IP-, AAA.BBB.CCC.DDD, [0..255].

<NAME> – DNS- -. – example.loc.

10

CONFIG-VOIP-SIP-PROXY

```
esr(config-voip-sip-proxy)# ip address proxy-server 10.245.56.12
```

### **ip address registration-server**

(no) .

```
ip address registration-server { <ADDR> | <NAME> }
no ip address registration-server
```

<ADDR> – , ipv4- . ipv4- .
IP-, AAA.BBB.CCC.DDD, [0..255].
<NAME> – DNS- . – example.loc.

10

CONFIG-VOIP-SIP-PROXY

```
esr(config-voip-sip-proxy)# ip address registration-server 10.245.56.12
```

### **ip port proxy-server**

UDP- proxy-.

(no) .

```
ip port proxy-server <PORT>
no ip port proxy-server
```

<PORT> – UDP- proxy , [1..65535].

5060

10

CONFIG-VOIP-SIP-PROXY

```
esr(config-voip-sip-proxy)# ip port proxy-server 5080
```

### **ip port registration-server**

UDP- .

(no) .

```
ip port registration-server <PORT>
no ip port registration-server
```

<PORT> – UDP- , [1..65535].

5060

10

CONFIG-VOIP-SIP-PROXY

```
esr(config-voip-sip-proxy)# ip port registration-server 5080
```

### **registration**

SIP-. .

(no) SIP-. .

[no] registration

10

CONFIG-VOIP-SIP-PROXY

```
esr(config-voip-sip-proxy)# registration
```

## SIP

### authentication mode

(no) .

```
authentication mode <MODE>
no authentication mode
```

<MODE> - , :

- global - / ;
- user-defined - /.

user-defined

15

### CONFIG-SIP

```
esr(config-sip)# authentication mode global
```

### authentication name

, authentication mode global.

(no) .

```
authentication name <LOGIN>
no authentication name
```

<LOGIN> - , 31 .

15

### CONFIG-SIP

```
esr(config-sip)# authentication name esr12V
```

### **authentication password**

, authentication mode global.

(no) .

```
authentication password { <PASS> | encrypted <ENCRYPTED-PASS>}
```

```
no authentication password
```

```
<PASS>- , 16;
```

```
<ENCRYPTED-PASS>-- sha512, [2..32].
```

.

15

### CONFIG-SIP

```
esr(config-sip)# authentication password superpass
```

### **sip service**

SIP-.

(no) .

```
[no] sip services
```

.

10

### CONFIG

```
esr(config)# sip services  
esr(config-sip)#
```

## **description**

(no) .

```
description <DESCRIPTION>
```

```
no description
```

```
<DESCRIPTION>- , 255 .
```

10

## CONFIG-DIAL-RULESET

```
esr(config-dial-ruleset)# description first
```

## **dialplan pattern**

(no) .

```
dialplan pattern <NAME>
```

```
no dialplan pattern
```

```
<NAME>- , 31 .
```

10

## CONFIG

```
esr(config)# dialplan pattern newplan
```

## **enable**

(no) .

[no] enable

10

#### CONFIG-DIAL-RULESET

```
esr(config-dial-ruleset)# enable
```

#### pattern

(no) .

pattern <REGEXP>

no pattern

<REGEXP>- , . 1024 .

"S5, L5 ([xABCD\*#].S)"

10

#### CONFIG-DIAL-RULESET

```
esr(config-dial-ruleset)# pattern "S5, L5 (41xx@{local} | 7383xxxxxxxx)"
```

#### prefix busy

, , , “ ”.

(no) .

prefix busy <CODE>

```
no prefix busy
```

```
<CODE>-, , « », [10..99].
```

.

10

#### CONFIG-VOIP-SERVICES

```
esr(config-voip-services)# prefix busy 99
```

#### **prefix call-waiting**

```
, , , « ».
```

```
(no) .
```

```
prefix call-waiting <CODE>
```

```
no prefix call-waiting
```

```
<CODE>-, , « », [10..99].
```

.

10

#### CONFIG-VOIP-SERVICES

```
esr(config-voip-services)# prefix call-waiting 89
```

#### **prefix dnd**

```
, , , « ».
```

```
(no) .
```

```
prefix dnd <CODE>
```

```
no prefix dnd
```

```
<CODE>-, , « », [10..99].
```

10

## CONFIG-VOIP-SERVICES

```
esr(config-voip-services)# prefix dnd 79
```

### **prefix hotline**

```
, , , «/».  
(no) .
```

```
prefix hotline <CODE>
```

```
no prefix hotline
```

```
<CODE>-, , «/», [10..99].
```

10

## CONFIG-VOIP-SERVICES

```
esr(config-voip-services)# prefix hotline 69
```

### **prefix no-answer**

```
, , , « ».  
(no) .
```

```
prefix no-answer <CODE>
```

```
no prefix no-answer
```

```
<CODE>-, , « », [10..99].
```

10

CONFIG-VOIP-SERVICES

```
esr(config-voip-services)# prefix no-answer 59
```

### **prefix pickup**

```
, , , « ».  
(no) .
```

```
prefix pickup <CODE>  
no prefix pickup
```

```
<CODE>-, , « », [10..99].
```

10

CONFIG-VOIP-SERVICES

```
esr(config-voip-services)# prefix pickup 49
```

### **prefix unconditional**

```
, , , « ».  
(no) .
```

```
prefix unconditional <CODE>  
no prefix unconditional
```

```
<CODE>-, , « », [10..99].
```

10

CONFIG-VOIP-SERVICES

```
esr(config-voip-services)# prefix unconditional 39
```

## voice services

(no) .

[no] voice services

10

## CONFIG

```
esr(config)# voice services
```

## SIP ALG

### service-voip routing

VoIP PBX.

(no) .

[no] service-voip routing

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## CONFIG-E1

## CONFIG-IF-GI

## CONFIG-SUBIF

## CONFIG-QINQ-IF

## CONFIG-MULTILINK

## CONFIG-PORT-CHANNEL

## CONFIG-GRE

CONFIG-IP4IP4

CONFIG-PPPOE

CONFIG-PPTP

CONFIG-VTI

CONFIG-BRIDGE

```
esr(config-if-gi)# service-voip routing
```

## PBX

### PBX-

#### enable

PBX.

(no) PBX .

[no] enable

10

CONFIG-PBX

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

#### expiry

(no) .

[no] expiry [min|max] <EMIN>

min – ;

max – ;

<EMIN> – [60...64800] .

min – 60;

max – 3600.

10

CONFIG-PBX

```
esr (config-pbx)# expiry min 90
```

### **external-config**

(no) .

[no] external-config

15

CONFIG-PBX

```
esr(config-pbx)# external-config
```

### **session-timer type**

(no) .

[no] session-timer type <TTIME>

<TTIME> – [originate, accept, refuse];

- originate – ;
- accept – ;
- refuse – .

refuse

10

CONFIG-PBX

```
esr (config-pbx)# session-timer type accept
```

### **session-timer expires**

(no) .

[no] session-timer expires <ETIME>

<ETIME> - , [90-80000].

1800.

10

CONFIG-PBX

```
esr (config-pbx)# session-timer expires 600
```

### **session-timer min-se**

(no) .

[no] session-timer min-se <MTIME>

<MTIME> - , [90-1800].

90 .

10

CONFIG-PBX

```
esr (config-pbx)# session-timer min-se 100
```

### **session-timer refresher**

(no) .

[no] session-timer refresher <RTIME>

<RTIME>- , (uac|uas);

uac - , ;

uas - , .

uas

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CONFIG-PBX

```
esr (config-pbx)# session-timer refresher uas
```

### **profile**

SIP PBX.

(no) .

[no] profile <PNAME>

<PNAME>- , 1 31 .

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CONFIG-PBX

```
esr (config-pbx)# profile sip_phones
```

### **pbx**

pbx-.

(no) pbx-.

[no] pbx

10

## CONFIG

```
esr(config)# pbx
```

### register-server

PBX.

(no)

[no] register-server <REGNAME>

<REGNAME> - 1 31 .

10

## CONFIG-PBX

```
esr (config-pbx)# register-server ssw
```

### ruleset

PBX.

(no) .

[no] ruleset <RULNAME>

<RULNAME> - 1 31 .

10

## CONFIG-PBX

```
esr (config-pbx)# ruleset local
```

### user

, PBX.

(no) .

[no] user <UNAME>

<UNAME>- , 1 31 .

15

CONFIG-PBX

```
esr(config-pbx)# user 1482
```

### **transport protocol**

, PBX.

(no) .

[no] transport protocol <PROTO>

<PROTO>- , [tcp | udp | both].

udp

10

CONFIG-PBX

```
esr (config-pbx)# transport protocol udp
```

### **transport port**

, PBX.

(no) .

[no] transport port <PORT>

<PORT>- , [1...65535].

5060

10

CONFIG-PBX

```
esr (config-pbx)# transport port 5060
```

## **fax**

PBX.

(no) .

```
[no] fax protocol t38 error-correction <FTYPE> datagram-size <SIZE>
```

<FTYPE> – , [fec | redundancy];

<SIZE> – , [272...512].

10

CONFIG-PBX

```
esr (config-pbx)# fax protocol t38 error-correction fec datagram-size 272
```

## **PBX**

### **password**

PBX.

(no) .

```
password { <PASS> | encrypted <ENCRYPTED-PASS> }
```

```
no password
```

<PASS> – , 16 ;

<ENCRYPTED-PASS> -- sha512, [2..32] .

15

CONFIG-PBX-USER

```
esr (config-pbx-user)# password 1234
```

## profile

SIP PBX.

(no) .

```
[no] profile <PNAME>
```

<PNAME> – SIP , 1 31 .

10

CONFIG-PBX-USER

```
esr (config-pbx-user)# profile sip_phones
```

## PBX

### description

PBX.

(no) .

```
[no] description <DESCR>
```

<DESCR> – , 1 255 .

10

CONFIG-PBX-RULESET

CONFIG-PBX-RULE

```
esr (config-pbx-ruleset)# description local_calls
```

## enable

(no) .

```
[no] enable
```

10

#### CONFIG-PBX-RULE

```
esr (config-pbx-rule)# enable
```

##### **pattern**

(no) .

```
[no] pattern <PSTR>
```

```
<PSTR>- , 1 256 .
```

(null)

10

#### CONFIG-PBX-RULE

```
esr (config-pbx-rule)# pattern _XXX,1,Dial(SIP/${EXTEN})
```

##### **rule**

(no) .

```
[no] rule <RIDX>
```

```
<RIDX>- , 1 1000.
```

10

#### CONFIG-PBX-RULESET

```
esr (config-pbx-ruleset)# rule 1
```

## PBX

### protocol

(no) .

[no] protocol <PROTO>

<PROTO>-, , {tcp | udp}.

udp

10

CONFIG-PBX-REG-SERVER

```
esr (config-pbx-reg-server)# protocol udp
```

### authentication password

(no) .

authentication password { <PASS> | encrypted <ENCRYPTED-PASS>}  
no authentication password

<PASS>- , 16;

<ENCRYPTED-PASS>-- sha512, [2..32].

10

CONFIG-PBX-REG-SERVER

```
esr (config-pbx-reg-server)# authentication password 1234
```

### username

(no) .

[no] username <UNAME>

<UNAME> - .

10

CONFIG-PBX-REG-SERVER

```
esr (config-pbx-reg-server)# username esr
```

### **ip address**

(no) .

[no] ip address <ADDR>

<ADDR> - , A.B.C.D, [0...255], 1 31 .

10

CONFIG-PBX-REG-SERVER

```
esr (config-pbx-reg-server)# ip address eltex-co.ru
```

### **ip port**

(no) .

[no] ip port <PORT>

<PORT> - , [1...65535].

5060

10

CONFIG-PBX-REG-SERVER

```
esr (config-pbx-reg-server)# ip port 5060
```

### **domain**

SIP .

(no) .

[no] domain <DSTR>

<DSTR> – SIP , 1 31 .

10

CONFIG-PBX-REG-SERVER

```
esr(config-pbx-reg-server)# ssw3.11
```

### **profile**

SIP .

(no) .

[no] profile <PNAME>

<PNAME> – SIP , , 1 31 .

10

CONFIG-PBX-REG-SERVER

```
esr(config-pbx-reg-server)# profile sip_phones
```

### **enable**

(no) .

[no] enable

.

## CONFIG-PBX-REG-SERVER

```
esr (config-pbx-reg-server)# enable
```

## SIP- PBX

### type

, PBX SIP-.

(no) .

[no] type <TTYPE>

<TTYPE> – SIP-, {local | remote};

- local – ;
- remote – .

10

## CONFIG-PBX-PROFILE

```
esr (config-pbx-profile)# type local
```

### client

, SIP .

(no) .

[no] client <CTYPE>

<CTYPE> – , {peer | friend | user};

- peer – ;
- user – ;

- friend – peer user.

peer

10

CONFIG-PBX-PROFILE

```
esr (config-pbx-profile)# client friend
```

### **from-domain**

SIP .

(no) .

[no] from-domain <FDSTR>

<FDSTR> – , 1 31 .

10

CONFIG-PBX-PROFILE

```
esr (config-pbx-profile)# from-domain sip.domain
```

### **security level**

(no) .

[no] security level <STYPE>

<STYPE> – {port | invite | invire-port | address | support};

- port – ip- ;
- invite – INVITE;
- invite-port – port invite;
- address – IP ;
- support – .

## CONFIG-PBX-PROFILE

```
esr (config-pbx-profile)# security level address
```

**nat**

NAT.

(no) .

[no] nat <NTYPE>

<NTYPE> – NAT, {comedia | force-port | both};

- comedia – PBX, SDP;
- force-port – rport, ;
- both – comedia force-port.

## CONFIG-PBX-PROFILE

```
esr (config-pbx-profile)# nat comedia
```

**codec allow**

, SIP .

(no) .

[no] codec allow <ATYPE>

<ATYPE> – , [G711A | G711U | G722 | G726].

## CONFIG-PBX-PROFILE

```
esr (config-pbx-profile)# codec allow g722
```

## qualify

(no) .

[no] qualify <QTYPE>

<QTYPE> – , [100...100000].

1000

10

## CONFIG-PBX-PROFILE

```
esr (config-pbx-profile)# qualify 100000
```

## host-address

(no) .

[no] host-address <ADDR>

<ADDR> – , A.B.C.D, [0...255] 1 31 .

dynamic

10

## CONFIG-PBX-PROFILE

```
esr (config-pbx-profile)# host-address 192.168.116.183
```

## sip-port

(no) .

```
[no] sip-port <PORT>
```

<PORT> – , [1..65535].

5060

10

CONFIG-PBX-PROFILE

```
esr (config-pbx-profile)# sip-port 5062
```

### **authentication password**

(no) .

```
authentication password { <PASS> | encrypted <ENCRYPTED-PASS>}
```

```
no authentication password
```

<PASS> – , 16 ;

<ENCRYPTED-PASS> -- sha512, [2..32].

10

CONFIG-PBX-PROFILE

```
esr(config-pbx-profile)# authentication password 1234
```

### **username**

(no) .

```
[no] username <UNAME>
```

<UNAME> – , 1 31 .

10

## CONFIG-PBX-PROFILE

```
esr(config-pbx-profile)# username user
```

### protocol

,

(no) .

[no] protocol <PTYPE>

<PTYPE> - , [tcp | udp | both].

udp

10

## CONFIG-PBX-PROFILE

```
esr (config-pbx-profile)# protocol udp
```

### ruleset

,

(no) .

[no] ruleset <RNAME>

<RNAME> - , . 1 31 .

10

## CONFIG-PBX-PROFILE

```
esr (config-pbx-profile)# ruleset local
```

### in-band

in-band .

(no) .

[no] in-band <ITYPE>

<ITYPE> – { always | not | never };

- Always – in-band ;
- Not – in-band ;
- Never – in-band .

never

10

CONFIG-PBX-PROFILE

```
esr (config-pbx-profile)# in-band not
```

### rtp-media

RTP .

(no) .

[no] rtp-media

10

CONFIG-PBX-PROFILE

```
esr (config-pbx-profile)# rtp-media
```

### group pickup

SIP- .

(no) .

group pickup <GTYPE>  
no group pick-up

```
<GTYPE> - , [1..31].
```

255

10

CONFIG-PBX-PROFILE

```
esr (config-pbx-profile)# group pickup 16
```

### **group calling**

SIP- .

(no) .

```
[no] group calling <GTYPE>
```

```
<GTYPE> - , 1 31.
```

255

10

CONFIG-PBX-PROFILE

```
esr (config-pbx-profile)# group calling 16
```

## PBX

### **show pbx peers**

, PBX.

```
show pbx peers
```

ROOT

```
esr# show pbx peers
```

## show pbx registrations

PBX-.

show pbx registrations

1

ROOT

```
esr# show pbx registrations
```