

# AAA

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## aaa accounting commands

, CLI.

(no) .

```
aaa accounting commands stop-only <METHOD>
```

```
no aaa accounting commands stop-only
```

<METHOD> – :

- tacacs – TACACS.

.

15

CONFIG

:

```
esr(config)# aaa accounting commands stop-only tacacs
```

## aaa accounting login

. , , «start» «stop» RADIUS TACACS.

(no) .

```
aaa accounting login start-stop <METHOD 1> [ <METHOD 2> ]
```

```
no aaa accounting login start-stop
```

<METHOD> – :

- tacacs – TACACS;
- radius – RADIUS.

.

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CONFIG

:

```
esr(config)# aaa accounting login start-stop tacacs
```

## aaa authentication attempts max-fail

, .  
(no), .

```
aaa authentication attempts max-fail <COUNT> <TIME>  
no aaa authentication attempts max-fail
```

<COUNT> – , , [1..65535];

<TIME> – , , [1..65535].

– 5

– 300

15

CONFIG

:

```
esr(config)# aaa authentication attempts max-fail 5 30
```

## aaa authentication enable

. .

«default». «default» – «enable». , , [enable authentication](#).

(no) .

```
aaa authentication enable <NAME> <METHOD 1> [ <METHOD 2> ] [ <METHOD 3> ] [ <METHOD 4> ]  
no aaa authentication enable <NAME>
```

<NAME> – : 31 ;

- default – «default».

<METHOD> – :

- enable – enable-;
- tacacs – TACACS;
- radius – RADIUS;
- ldap – LDAP.

## CONFIG

:

```
esr(config)# aaa authentication enable enable-test tacacs enable
```

## aaa authentication login

. . .

«default», – «local». , , [login authentication](#).

(no) .

```
aaa authentication login { default | <NAME> } <METHOD 1> [ <METHOD 2> ] [ <METHOD 3> ]
[ <METHOD 4> ]
```

```
no aaa authentication login { default | <NAME> }
```

&lt;NAME&gt; – , 31.

:

- local – ;
- tacacs – TACACS-;
- radius – RADIUS-;
- ldap – LDAP-.

## CONFIG

:

```
esr(config)# aaa authentication login login-test tacacs local
```

## aaa authentication mode

. . .

(no) .

```
[no] aaa authentication mode { break | chain }
```

break – ;

chain – .

chain

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CONFIG

:

```
esr(config)# aaa authentication mode break
```

## aaa das-profile

(DAS) DAS SERVER PROFILE.

(no) (DAS).

[no] aaa das-profile <NAME>

<NAME> - (DAS), 31.

15

CONFIG

:

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

## aaa disable

.

(no) .

[no] aaa disable

.

.

10

CONFIG-LINE-CONSOLE

:

```
esr(config-line-console)# aaa disable
```

## aaa radius-profile

RADIUS- RADIUS SERVER PROFILE.

(no) RADIUS-.

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

<NAME> - RADIUS-, 31.

15

CONFIG

:

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

## acct-port

c RADIUS- .

(no) .

```
acct-port <PORT>
```

```
no acct-port
```

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

1813

15

CONFIG-RADIUS-SERVER

:

```
esr(config-radius-server)# acct-port 4444
```

## auth-port

c RADIUS- .

(no) .

```
auth-port <PORT>
```

```
no auth-port
```

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

1812

15

CONFIG-RADIUS-SERVER

:

```
esr(config-radius-server)# auth-port 4444
```

## clear users blocked

.

```
clear users blocked <NAME>
```

<NAME>- , , 31.

.

15

ROOT

:

```
esr# clear users blocked
```

## clear user-session

CLI.

```
clear user-session [ <USERNAME> | <SESSION> ]
```

<NAME>- , 31.

<SESSION>- , [1..10].

15

ROOT

:

```
esr# clear users-session
```

## clients

(DAC), (DAS).

(no) (DAC).

clients object-group <NAME>

no clients

<NAME> – IP-, , 31.

15

CONFIG-DAS-SERVER

:

```
esr(config-das-server)# clients object-group pcrf
```

## das-server

(DAS) DAS SERVER. (DAS) RADIUS CoA (DAC), .

(no) (DAS).

[no] das-server <NAME>

<NAME> – (DAS), 31.

15

CONFIG

```
esr(config)# das-server main
esr(config-das-server)#
```



das-server

(DAS) .  
(no) (DAS).

[no] das-server <NAME>

<NAME> – (DAS), 31 .

15

CONFIG-AAA-DAS-PROFILE

```
esr(config)# das-server mainesr(config-das-server)#
```

dead-interval

, RADIUS- . RADIUS- (. radius-server retransmit).  
(no) .

dead-interval <SEC>  
no dead-interval

<SEC> – , [0..3600].

120

10

CONFIG-RADIUS-SERVER

:

```
esr(config-radius-server)# dead-interval 600
```

description

(DAS) RADIUS- .  
(no) .

description <DESCRIPTION>

no description

<DESCRIPTION> – , 255 .

10

CONFIG-DAS-SERVER-PROFILE

CONFIG-RADIUS-SERVER-PROFILE

:

IP-:

```
esr(config-aaa-das-profile)# description "Main profile"
```

## disable

.

disable

.

2

ROOT

:

```
esr# disable
esr>
```

## enable

. , [aaa authentication attempts max-fail](#).



«enable». , 15 .



TACACS/RADIUS/LDAP \$enab<PRIV>\$, <PRIV> – , .

enable [ <PRIV> ]

<PRIV> – , [2..15].

15

1

ROOT

:

```
esr> enable 10
esr#
```

## enable authentication

, .

«default», – «enable».

(no) «default» .

enable authentication <NAME>

no enable authentication

<NAME> – , 31 .

default

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CONFIG-LINE-CONSOLE

CONFIG-LINE-TELNET

CONFIG-LINE-SSH

:

```
esr(config-line-console)# enable authentication enable-test
```

## enable password

, .

 , 15- .

(no) .

```
enable password { <CLEAR-TEXT> | encrypted <HASH_SHA512> } [ privilege <PRIV> ]
no enable password [ privilege <PRIV> ]
```

<CLEAR-TEXT> – , [1..32], [0-9a-fA-F];

<HASH\_SHA512> – sha512, 110;

<PRIV> – , [2..15], 15.

15

CONFIG

:

```
esr(config)# enable password 12345678 privilege 10
```

## exec-timeout

, .

(no) .

exec-timeout <SEC>

no exec-timeout

<SEC> – , [1..65535].

30

15

CONFIG-LINE-CONSOLE

CONFIG-LINE-SSH

CONFIG-LINE-TELNET

CONFIG-LINE-AUX<sup>1</sup>

:

```
esr(config-line-ssh)# exec-timeout 600
```



<sup>1</sup> ESR-21.

ip sftp enable

sftp .  
(no) sftp .

[no] ip sftp enable

10

CONFIG-USER

:

```
esr(config-user)# ip sftp enable
```

## key

.  
(no) .

key ascii-text { <TEXT> | encrypted <ENCRYPTED-TEXT> }  
no key

<TEXT>- [8..16] ASCII- ( TACACS- - 60 );  
<ENCRYPTED-TEXT>- , [8..16] , [16..32] ( TACACS- - 120 ).

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CONFIG-TACACS-SERVER

CONFIG-RADIUS-SERVER

CONFIG-DAS-SERVER

:

```
esr(config-tacacs-server)# key ascii-text 12345678
```

## ldap-server base-dn

DN (Distinguished name), .  
(no) DN.

```
ldap-server base-dn <NAME>
no ldap-server base-dn
```

<NAME> – DN, 255.

15

CONFIG

:

```
esr(config)# ldap-server base-dn "dc=example,dc=com"
```

## ldap-server bind authenticate root-dn

DN (Distinguished name) , LDAP- .

(no) DN .

```
ldap-server bind authenticate root-dn <NAME>
no bind authenticate root-dn
```

<NAME> – DN , 255.

15

CONFIG

:

```
esr(config)# ldap-server bind authenticate root-dn "cn=admin,dc=example,dc=com"
```

## ldap-server bind authenticate root-password

, LDAP- .

(no) .

```
ldap-server bind authenticate root-password ascii-text { <TEXT> | encrypted <ENCRYPTED-TEXT> }
no bind authenticate root-password
```

<TEXT> – [8..16] ASCII;

<ENCRYPTED-TEXT> – , [8..16] , [16..32] .

15

CONFIG

:

```
esr(config)# ldap-server bind authenticate root-password ascii-text 12345678
```

## ldap-server bind timeout

, , LDAP-.

(no) .

ldap-server bind timeout <SEC>

no ldap-server bind timeout

<SEC> – , [1..30].

3

15

CONFIG

:

```
esr(config)# ldap-server bind timeout 5
```

## ldap-server dscp

DSCP IP- LDAP-.

(no) DSCP .

ldap-server dscp <DSCP>

no ldap-server dscp

<DSCP> – DSCP, [0..63].

63

10

CONFIG

:

```
esr(config)# ldap-server dscp 40
```

## ldap-server host

LDAP- LDAP SERVER.

(no) LDAP-.

```
[no] ldap-server host { <ADDR> | <IPV6-ADDR> | <LDAP-HOST-NAME> } [ vrf <VRF> ]
```

<VRF> – VRF, 31 .

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

<IPV6-ADDR> – IPv6- LDAP-, X:X:X:X::X, [0..FFFF].

<LDAP-HOST-NAME> – DNS- LDAP-, 31 . DNS- ip- [domain lookup enable](#).

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CONFIG

:

```
esr(config)# ldap-server host 10.100.100.1
esr(config-ldap-server)#
```

## ldap-server naming-attribute

, LDAP-.

(no) .

ldap-server naming-attribute <NAME>

no ldap-server naming-attribute

<NAME> – , 127 .

uid

15

CONFIG

:



```
esr(config)# ldap-server naming-attribute displayName
```

## ldap-server privilege-level-attribute

, . [1..15]. , «remote».

(no) .

```
ldap-server privilege-level-attribute <NAME>
```

```
no ldap-server privilege-level-attribute
```

<NAME> – , 127 .

priv-lvl

15

CONFIG

:

```
esr(config)# ldap-server privilege-level-attribute title
```

## ldap-server search filter user-object-class

, LDAP-.

(no) .

```
ldap-server search filter user-object-class <NAME>
```

```
no ldap-server search filter user-object-class
```

<NAME> – , 127 .

posixAccount

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CONFIG

:

```
esr(config)# ldap-server search filter user-object-class shadowAccount
```

## ldap-server search scope

LDAP-.

(no) .

```
ldap-server search scope <SCOPE>
```

```
no ldap-server search scope
```

<SCOPE> – LDAP-, :

- onelevel – DN LDAP-;
- subtree – DN LDAP-.

subtree

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CONFIG

:

```
esr(config)# ldap-server search scope onelevel
```

## ldap-server search timeout

, , LDAP- , .

(no) .

```
ldap-server search timeout <SEC>
```

```
no ldap-server search timeout
```

<SEC> – , [0..30].

0 – LDAP-.

15

CONFIG

:

```
esr(config)# ldap-server search timeout 10
```

## ldap-server ssl certificate

, SSL- LDAP-.

(no) SSL- LDAP-.

```
ldap-server ssl certificate <FILE-NAME>
no ldap-server ssl certificate
```

.

.

15

CONFIG

:

```
esr(config)# ldap-server ssl certificate ldap-ssl.crt
```

## ldap-server ssl check-peer disable

LDAP- .

(no) LDAP- .

```
[no] ldap-server ssl check-peer disable
```

.

.

15

CONFIG

:

```
esr(config)# ldap-server ssl check-peer disable
```

## ldap-server ssl enable

SSL- LDAP- (LDAP over SSL).

(no) SSL- LDAP- (LDAP over SSL).

```
[no] ldap-server ssl enable
```

.

.

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CONFIG

:

```
esr(config)# ldap-server ssl enable
```

## line

: , (Telnet), (SSH).

(no) . [login authentication](#) [enable authentication](#).

```
[no] line <TYPE>
```

<TYPE> – :

- console – ;
- telnet – ;
- ssh – ;

15

CONFIG

:

```
esr(config)# line console
esr(config-line-console)#
```

## login authentication

, .

«default», – «local».

(no) «default» .

```
login authentication <NAME>
```

no login authentication

<NAME> – , 31 .

default

15

CONFIG-LINE-CONSOLE

CONFIG-LINE-TELNET

CONFIG-LINE-SSH

:

```
esr(config-line-console)# login authentication login-test
```

## password

. , sha512.

(no) .

password { <CLEAR-TEXT> | encrypted <HASH\_SHA512> }

no password

<CLEAR-TEXT> – , [1 .. 32] , [0-9a-fA-F];

<HASH\_SHA512> – sha512, 110 .

15

CONFIG-USER

CHANGE-EXPIRED-PASSWORD

:

```
esr(config-user) password test
```

## port

c .

(no) .

port <PORT>

no port

<PORT> – TCP/UDP- c , [1..65535].

49 TACACS-

389 LDAP-

DAS-

15

CONFIG-TACACS-SERVER

CONFIG-LDAP-SERVER

CONFIG-DAS-SERVER

:

```
esr(config-tacacs-server)# port 4444
```

## priority

. , .

(no) .

priority <PRIORITY>

no priority

<PRIORITY> – , [1..65535].

1

15

CONFIG-TACACS-SERVER

CONFIG-RADIUS-SERVER

CONFIG-LDAP-SERVER

:

```
esr(config-tacacs-server)# priority 5
```

## privilege

. , , . 1 9 . 10 15 . 15 . , [description](#).

(no) .

```

:
•
• , RADIUS, cisco-avpair = "shell:priv-lvl=<PRIV>";
• , TACACS, priv-lvl=<PRIV>;
• LDAP
  privilege-level-attribute, line, priv-lvl=<PRIV>;
TACACS/RADIUS/LDAP , «remote», 1. «remote» .

```

```

privilege <PRIV>
no privilege

```

<PRIV> – , [1..15].

1

15

CONFIG-USER

:

```

esr(config-user)# privilege 15

```

## privilege

```

, .
(no) .

```

```

privilege <COMMAND-MODE> level <PRIV> <COMMAND>
no privilege <COMMAND-MODE> <COMMAND>

```

<COMMAND-MODE> – , :

- change-expired-password;
- config;
- config-aaa-das-profile;
- config-aaa-radius-profile;
- config-access-profile;
- config-acl;
- config-acl-rule;
- config-archive;
- config-bgp;
- config-bgp-af;
- config-bgp-group;
- config-bgp-neighbor;
- config-bridge;
- config-cellular-modem;
- config-cellular-profile;
- config-class-map;
- config-class-policy-map;
- config-das-server;
- config-dhcp-server;
- config-dhcp-vendor-id;
- config-dnat;

- config-dnat-pool;
- config-dnat-rule;
- config-dnat-ruleset;
- config-e1;
- config-gre;
- config-if-gi;
- config-if-te;
- config-ike-gw;
- config-ike-policy;
- config-ike-proposal;
- config-ip4ip4;
- config-ipsec-policy;
- config-ipsec-proposal;
- config-ipsec-vpn;
- config-ipv6-bgp-af;
- config-ipv6-bgp-group;
- config-ipv6-bgp-neighbor;
- config-ipv6-dhcp-server;
- config-ipv6-ospf;
- config-ipv6-ospf-area;
- config-ipv6-ospf-vlink;
- config-ipv6-pl;
- config-ipv6-wan-rule;
- config-ipv6-wan-target;
- config-ipv6-wan-target-list;
- config-keychain;
- config-keychain-key;
- config-l2tp-server;
- config-l2tpv3;
- config-ldap-server;
- config-line-console;
- config-line-ssh;
- config-line-telnet;
- config-loopback;
- config-lt;
- config-mst;
- config-multilink;
- config-netflow-host;
- config-network-policy;
- config-ntp;
- config-object-group-application;
- config-object-group-mac;
- config-object-group-network;
- config-object-group-service;
- config-object-group-url;
- config-openvpn;
- config-openvpn-server;
- config-ospf;
- config-ospf-area;
- config-ospf-vlink;
- config-pl;
- config-policy-map;
- config-pool;
- config-port-channel;
- config-ppp-user;
- config-pppoe;
- config-pptp;
- config-pptp-server;
- config-profile;
- config-qinq-if;
- config-radius-server;
- config-rip;
- config-route-map;
- config-route-map-rule;
- config-service-port;
- config-sflow-host;
- config-snat;
- config-snat-pool;
- config-snat-rule;
- config-snat-ruleset;
- config-snmp-host;
- config-snmp-user;
- config-softgre;
- config-subif;
- config-subscriber-control;
- config-subscriber-default-service;
- config-subtunnel;
- config-tacacs-server;
- config-tracking;



- config-user;
- config-vlan;
- config-vrf;
- config-vti;
- config-wan-rule;
- config-wan-target;
- config-wan-target-list;
- config-wireless;
- config-zone;
- config-zone-pair;
- config-zone-pair-rule;
- debug;
- root.

<PRIV> – , [1..15];

<COMMAND> – , 255 .

15

CONFIG

:

«show» 2. «show interfaces» 1.

```
esr(config)# privilege root level 2 "show"
esr(config)# privilege root level 1 "show interfaces"
```

## radius-server dscp

DSCP IP- RADIUS-.

(no) DSCP .

radius-server dscp <DSCP>

no radius-server dscp

<DSCP> – DSCP, [0..63].

63

10

CONFIG

:

```
esr(config)# radius-server dscp 40
```

## radius-server host

RADIUS- RADIUS SERVER.

(no) RADIUS-.

```
[no] radius-server host { <ADDR> | <IPv6-ADDR> } [ vrf <VRF> ]
```

<VRF> – VRF, 31 .

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

<IPv6-ADDR> – IPv6- RADIUS-, X:X:X:X::X, [0..FFFF].

15

CONFIG

:

```
esr(config)# radius-server host 10.100.100.1
esr(config-radius-server)#
```

## radius-server host

RADIUS- RADIUS-.

(no) RADIUS- .

```
[no] radius-server host { <ADDR> | <IPv6-ADDR> } [ vrf <VRF> ]
```

<VRF> – VRF, 31 .

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

<IPv6-ADDR> – IPv6- RADIUS-, X:X:X:X::X, [0..FFFF].

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CONFIG-RADIUS-SERVER-PROFILE

:

```
esr(config-aaa-radius-profile)# radius-server host 10.100.100.1
```

## radius-server retransmit

RADIUS-, RADIUS- .

(no) .

```
radius-server retransmit <COUNT>
```

```
no radius-server retransmit
```

<COUNT>- RADIUS-, [1..10].

1

15

CONFIG

:

```
esr(config)# radius-server retransmit 5
```

## radius-server timeout

, , RADIUS-.

(no) .

radius-server timeout <SEC>

no radius-server timeout

<SEC>- , [1..30].

3

10

CONFIG

:

```
esr(config)# radius-server timeout 5
```

## retransmit

RADIUS-, RADIUS- .

(no) .

retransmit <COUNT>

no retransmit

<COUNT>- RADIUS-, [1..10].

, , radius-server retransmit.

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CONFIG-RADIUS-SERVER

:

```
esr(config)# retransmit 5
```

## security passwords default-expired

admin.

(no) .

```
[no] security passwords default-expired
```

.

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CONFIG

:

```
esr(config)# security passwords default-expired
```

## security passwords history

. . .

(no) .

```
security passwords history <COUNT>
```

```
no security passwords history
```

<COUNT> – , [0..15]. , .

1

## CONFIG

:

```
esr(config)# security passwords history 5
```

## security passwords lifetime

• , •

(no) .

```
security passwords lifetime <TIME>
```

```
no security passwords lifetime
```

<TIME> – , [1..365].

.

## CONFIG

:

```
esr(config)# security passwords lifetime 30
```

## security passwords lower-case

, ENABLE-, SMNPv3- SMNPv1/SMNPv2 c .

(no) .

```
security passwords lower-case <COUNT>
```

```
no security passwords lower-case
```

<COUNT> – , ENABLE-, SMNPv3- SMNPv1/SMNPv2 c [0..32].

CONFIG

:

```
esr(config)# security passwords lower-case 2
```

## security passwords max-length

ENABLE-.

(no) .

security passwords max-length <NUM>

no security passwords max-length

<NUM> – , [1..32].

32

15

CONFIG

:

```
esr(config)# security passwords max-length 30
```

## security passwords min-length

ENABLE-.

(no) .

security passwords min-length <NUM>

no security passwords min-length

<NUM> – , [1..32].

1

15

CONFIG

:

```
esr(config)# security passwords min-length 10
```

## security passwords numeric-count

, ENABLE-, SNMPv3- SNMPv1/SNMPv2 c .

(no) .

```
security passwords numeric-count <COUNT>
```

```
no security passwords numeric-count
```

<COUNT> – , ENABLE-, SNMPv3- SNMPv1/SNMPv2 c [0..32].

0

15

CONFIG

:

```
esr(config)# security passwords numeric-count 2
```

## security passwords special-case

, ENABLE-, SNMPv3- SNMPv1/SNMPv2 c .

(no) .

```
security passwords special-case <COUNT>
```

```
no security passwords special-case
```

<COUNT> – , ENABLE-, SNMPv3- SNMPv1/SNMPv2 c [0..32].

0

15

CONFIG

:

```
esr(config)# security passwords special-case 2
```

## security passwords symbol-types

, , ENABLE-, SNMPv3- SNMPv1/SNMPv2 c .  
(no) .

```
security passwords symbol-types <COUNT>  
no security passwords symbol-types
```

<COUNT> – , ENABLE-, SNMPv3- SNMPv1/SNMPv2 c [1..4].

1

15

CONFIG

:

```
esr(config)# security passwords symbol-types 2
```

## security passwords upper-case

() , ENABLE-, SNMPv3- SNMPv1/SNMPv2c .  
(no) .

```
security passwords upper-case <COUNT>  
no security passwords upper-case
```

<COUNT> – () , ENABLE-, SNMPv3- SNMPv1/SNMPv2 c [0..32].

0

15

CONFIG

:

```
esr(config)# security passwords upper-case 2
```

## security snmp-community max-length

SNMPv1/SNMPv2 c .



(no) .

```
security snmp-community max-length <NUM>
no security snmp-community max-length
```

<NUM> – , [1..128].

128

15

CONFIG

:

```
esr(config)# security snmp-community max-length 30
```

## security snmp-community min-length

SNMPv1/SNMPv2 c .

(no) .

```
security passwords min-length <NUM>
no security passwords min-length
```

<NUM> – , [1..128].

1

15

CONFIG

:

```
esr(config)# security snmp-community min-length 10
```

## show aaa accounting

.

```
show aaa accounting
```

10

ROOT

:

```
esr# show aaa accounting
Login :      radius
Commands :   tacacs
```

show aaa authentication

, .

```
show aaa authentication
```

.

10

ROOT

:

```
esr# show aaa authentication
  Login Authentication Method Lists
  ~~~~~
List      Methods
-----
default   local
  Enable Authentication Method Lists
  ~~~~~
List      Methods
-----
default   enable
  Lines configuration
  ~~~~~
Line      Login method list      Enable method list
-----
console   default                    default
telnet    default                    default
ssh       default                    default
```

show aaa ldap-servers

LDAP-.

```
show aaa ldap-servers
```

15

ROOT

:

```
esr# show aaa ldap-servers
Base DN:          dc=example,dc=com
Root DN:          cn=admin,dc=example,dc=com
Root password:    CDE65039E5591FA3
Naming attribute: uid
Privilege level attribute: priv-lvl
User object class: posixAccount
DSCP:             63
Bind timeout:     3
Search timeout:   0
Search scope:     subtree
IP Address        Port      Priority
-----
10.100.100.1      389      1
```

show aaa radius-servers

RADIUS.

show aaa radius-servers

.

15

ROOT

:

```
esr# show aaa radius-servers
Timeout:          3
Retransmit:       1
DSCP:             63
IP Address        Timeout  Priority  Usage      Key
-----
2.2.2.2           --      1        all        9DA7076CA30B5FFE0DC9C4
2.4.4.4           --      1        all        9DA7076BA30B4EFCE5
```

show aaa tacacs-servers

TACACS.

show aaa tacacs-servers

.

15

ROOT

:

```
esr# show aaa tacacs-servers
Timeout :      3
DSCP:      63
IP Address      Port      Priority      Key
-----
10.100.100.1      49      1      CDE65039E5591FA3
10.100.100.5      49      10     CDE65039E5591FA3
```

show users

.

show users

.

1

ROOT

:

```
esr# show users
User name      Logged in at      Host      Timers Login/Priv      level
-----
admin          13/02/15 01:14:25  Console   00:29:57/00:00:00      15
1 user sessions.
```

show users accounts

.

show users accounts

.

10

ROOT

:

esr# show user accounts		
Name	Password	Privilege
-----	-----	-----
admin	\$6\$1sxxrvGaV8Za8oX/K\$YNe15xYPZ4cj bemYWYNpQBQKDxWE9v0aoKgQ kRCEb0EMNuusO9Kmg7UBs7nA3buEM87e Eu.rA6tZq0	15
techsupport	\$6\$YfwntIwU\$ah7UxPZTemKhjpSWvVsV 9jHcp. 9lweQaSldw7ZtUr uH66uZx9.EBASff//hUj8ObUaC484TNR x.	15
remote	\$6\$YfwntIwU\$ah7UxPZTemKhjpSWvVsV 9jHcp.kqFAK.vmvyY9lweQaSldw7ZtUr uH66uZx9.EBASff//hUj8ObUaC484TNR x.	1
operator	\$6\$eILpbbvRxedCzvVD\$4RHP08mjXvNf urX7V/ULCZ1oHIWMwE6h5f zgwZQUZcPoZCEyaqQQqCicRMRuPwhxrQ bvGChWreWl	1

show users blocked

, . .

show users blocked [ <NAME> ]

<NAME>- , , 31.

.

1

ROOT

:

esr# show users blocked			
User name	Failures	Latest failure	From
-----	-----	-----	-----
tester	4	10/09/17 08:29:42	0.0.0.0

source-address

IPv4/IPv6-, IPv4/IPv6- AAA-.

(no) IPv4/IPv6-.

source-address { <ADDR> | <IPV6-ADDR> }

no source-address

<ADDR> – IP-, AAA.BBB.CCC.DDD, [0..255];  
<IPv6-ADDR> – IPv6-, X:X:X:X::X, [0..FFFF].

15

CONFIG-RADIUS-SERVER  
CONFIG-TACACS-SERVER  
CONFIG-LDAP-SERVER

:

```
esr(config-radius-server)# source-address 220::71
```

## source-interface

, IPv4/IPv6- IPv4/IPv6- AAA-  
(no) .

source-interface { <IF> | <TUN> }  
no source-interface

<IF> – , , ;  
<TUN> – , , .

15

CONFIG-RADIUS-SERVER

:

```
esr(config-radius-server)# source-interface gigabitethernet 1/0/1
```

## system configuration-exclusively

CLI .  
(no) .

[no] system configuration-exclusively

.

.

15

CONFIG

:

```
esr(config)# system configuration-exclusively
```

## tacacs-server dscp

DSCP IP- TACACS-.

(no) DSCP .

tacacs-server dscp <DSCP>

no tacacs-server dscp

<DSCP> – DSCP, [0..63].

63

10

CONFIG

:

```
esr(config)# tacacs-server dscp 40
```

## tacacs-server host

TACACS- TACACS SERVER.

(no) TACACS-.

[no] tacacs-server host { <ADDR> | <IPV6-ADDR> } [ vrf <VRF> ]

<VRF> – VRF, 31 .

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

<IPV6-ADDR> – IPv6- TACACS-, X:X:X:X::X, [0..FFFF].

15

CONFIG

:

```
esr(config)# tacacs-server host 10.100.100.1
esr(config-tacacs-server)#
```

## tacacs-server timeout

, , TACACS-.

(no) .

tacacs-server timeout <SEC>

no tacacs-server timeout

<SEC> – , [1..30].

3.

10

CONFIG

:

```
esr(config)# tacacs-server timeout 5
```

## tech-support login enable

«techsupport». , .

(no) «techsupport».

[no] tech-support login enable

.

15

CONFIG

:

```
esr(config)# tech-support login enable
```

## timeout



, , RADIUS- .  
(no) .

timeout <SEC>  
no timeout

<SEC> – , [1..30].

, , [radius-server timeout](#).

10

CONFIG-RADIUS-SERVER

:

```
esr(config-radius-server)# timeout 7
```

## usage

RADIUS- .  
(no) .

usage { all | aaa | auth | acct | pptp | l2tp }  
no usage

all – ;

aaa – RADIUS- , telnet, ssh console ;

auth – RADIUS- telnet, ssh console ;

acct – RADIUS- telnet, ssh console ;

pptp – RADIUS- , , PPTP;

l2tp – RADIUS- , , L2TP over IPsec.

all

15

CONFIG-RADIUS-SERVER

:

```
esr(config-radius-server)# usage pptp
```

## username

.  
(no) .

[no] username <NAME>

<NAME> - , 31. , «all» .

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## CONFIG

:

```
esr(config)# username test  
esr(config-user)#
```