

DHCP

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DHCP-

ip address dhcp

IP- DHCP.

(no) IP- DHCP.

```
[no] ip address dhcp
```

.

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CONFIG-GI

CONFIG-TE

CONFIG-SUBIF

CONFIG-QINQ-IF

CONFIG-PORT-CHANNEL

CONFIG-BRIDGE

```
esr(config-if-gi)# ip address dhcp
```

ip dhcp client ignore

DHCP-, .

```
[no] ip dhcp client ignore <OPTION>
```

<OPTION> – :

- dns-nameserver – DHCP- 23, DNS-;
- domain-name – DHCP- 24, ;
- netbios-nameserver – DHCP- 44, NetBios-;
- router – DHCP- 3, ;
- classless-static-route – DHCP- 121, ;
- classful-static-route – DHCP- 33, ;
- tftp-server-address – DHCP- 66, TFTP- (Bridge-);
- vendor-specific – DHCP- 17, .

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CONFIG-GI
CONFIG-TE
CONFIG-SUBIF
CONFIG-QINQ-IF
CONFIG-PORT-CHANNEL
CONFIG-BRIDGE

```
esr(config-if-gi)# ip dhcp client ignore router
```

ip dhcp client lease-time

.
(no) .

```
ip dhcp client lease-time <TIME>  
no ip dhcp client lease-time
```

<TIME> – , DD:HH:MM,:

- DD – , [0..364];
- HH – , [0..23];
- MM – , [0..59].

1

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CONFIG-GI
CONFIG-TE
CONFIG-SUBIF
CONFIG-QINQ-IF
CONFIG-PORT-CHANNEL
CONFIG-BRIDGE

```
esr(config-if-gi)# ip dhcp client lease-time 00:12:00
```

ip dhcp client reboot

, DHCP- IP-, .
(no) .

```
ip dhcp client reboot <SEC>
```

```
no ip dhcp client reboot
```

<SEC> – , [1..600].

10

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CONFIG-GI

CONFIG-TE

CONFIG-SUBIF

CONFIG-QINQ-IF

CONFIG-PORT-CHANNEL

CONFIG-BRIDGE

```
esr(config-if-gi)# ip dhcp client reboot 60
```

ip dhcp client retry

, DHCP- IP-, , DHCP- .

(no) .

```
ip dhcp client retry <SEC>
```

```
no ip dhcp client retry
```

<SEC> – , [1..600].

300

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CONFIG-GI

CONFIG-TE

CONFIG-SUBIF

CONFIG-QINQ-IF

CONFIG-PORT-CHANNEL

CONFIG-BRIDGE

```
esr(config-if-gi)# ip dhcp client retry 180
```

ip dhcp client select-timeout

, DHCP- , . DHCP-. IP- ., (, ,).

IP-, , DHCP-. .

(no) .

```
ip dhcp client select-timeout <SEC>
```

```
no ip dhcp client select-timeout
```

<SEC> – , [0..600]

0 – .

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CONFIG-GI

CONFIG-TE

CONFIG-SUBIF

CONFIG-QINQ-IF

CONFIG-PORT-CHANNEL

CONFIG-BRIDGE

```
esr(config-if-gi)# ip dhcp client select-timeout 30
```

ip dhcp client timeout

, , DHCP-. IP- -, , , , IP- . , IP- (dhcp retry). (no) .

```
ip dhcp client timeout <SEC>
```

```
no ip dhcp client timeout
```

<SEC> – , [1..600].

60

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CONFIG-GI
CONFIG-TE
CONFIG-SUBIF
CONFIG-QINQ-IF
CONFIG-PORT-CHANNEL
CONFIG-BRIDGE

```
esr(config-if-gi)# ip dhcp client timeout 300
```

ip dhcp client vendor-class-id

DHCP 60 DHCP 43.

(no) .

```
ip dhcp client vendor-class-id <NAME>  
no ip dhcp client vendor-class-id
```

<NAME> – , 31.

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CONFIG-GI
CONFIG-TE
CONFIG-SUBIF
CONFIG-QINQ-IF
CONFIG-PORT-CHANNEL
CONFIG-BRIDGE

```
esr(config-if-gi)# ip dhcp client vendor-class-id ELTEX
```

ip dhcp server address

IP- DHCP-, IP-.

(no) IP- DHCP-.

```
ip dhcp server address <ADDR>  
no ip dhcp server address
```

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

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CONFIG-GI

CONFIG-TE

CONFIG-SUBIF

CONFIG-QINQ-IF

CONFIG-PORT-CHANNEL

CONFIG-BRIDGE

```
esr(config-if-gi)# ip dhcp server address 10.10.10.1
```

renew dhcp

IP- DHCP.

renew dhcp <IF>

<IF> - , , .

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ROOT

```
esr# renew dhcp gigabitethernet 1/0/1
```

IPv6 DHCP-

ipv6 address dhcp

IPv6- IPv6 DHCP.

(no) IPv6- IPv6 DHCP.

[no] ipv6 address dhcp

.

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CONFIG-GI
CONFIG-TE
CONFIG-SUBIF
CONFIG-QINQ-IF
CONFIG-PORT-CHANNEL
CONFIG-BRIDGE

```
esr(config-if-gi)# ipv6 address dhcp
```

ipv6 dhcp client ignore

DHCP-, .

```
ipv6 dhcp client ignore <OPTION>  
no ipv6 dhcp client ignore
```

<OPTION> – :

- dns-nameserver – DHCP- 23, DNS-;
- domain-name – DHCP- 24, ;
- vendor-specific – DHCP- 17,, .

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CONFIG-GI
CONFIG-TE
CONFIG-SUBIF
CONFIG-QINQ-IF
CONFIG-PORT-CHANNEL
CONFIG-BRIDGE

```
esr(config-if-gi)# ipv6 dhcp client ignore dns-nameserver
```

ipv6 dhcp client lease-time

.
(no) .

```
ipv6 dhcp client lease-time <TIME>  
no ipv6 dhcp client lease-time
```


<TIME>- , DD:HH:MM, :

- DD -, [0..364];
- HH -, [0..23];
- MM -, [0..59].

1

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CONFIG-GI

CONFIG-TE

CONFIG-SUBIF

CONFIG-QINQ-IF

CONFIG-PORT-CHANNEL

CONFIG-BRIDGE

```
esr(config-if-gi)# ipv6 dhcp client lease-time 00:12:00
```

ipv6 dhcp client reboot

, IPv6 DHCP- IPv6- , .

(no) .

ipv6 dhcp client reboot <SEC>

no ipv6 dhcp client reboot

<SEC>- , [1..600].

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CONFIG-GI

CONFIG-TE

CONFIG-SUBIF

CONFIG-QINQ-IF

CONFIG-PORT-CHANNEL

CONFIG-BRIDGE

```
esr(config-if-gi)# ipv6 dhcp client reboot 60
```

ipv6 dhcp client retry

, IPv6 DHCP- IPv6, , IPv6 DHCP- .
(no) .

```
ipv6 dhcp client retry <SEC>  
no ipv6 dhcp client retry
```

<SEC> – , [1..600].

300

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CONFIG-GI

CONFIG-TE

CONFIG-SUBIF

CONFIG-QINQ-IF

CONFIG-PORT-CHANNEL

CONFIG-BRIDGE

```
esr(config-if-gi)# ipv6 dhcp client retry 180
```

ipv6 dhcp client select-timeout

, IPv6 DHCP- , . IPv6 DHCP- – IPv6- ., (, ,).
IP-, , DHCPv6-. .
(no) .

```
ipv6 dhcp client select-timeout <SEC>  
no ipv6 dhcp client select-timeout
```

<SEC> – , [0..600].

0 – .

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CONFIG-GI
CONFIG-TE
CONFIG-SUBIF
CONFIG-QINQ-IF
CONFIG-PORT-CHANNEL
CONFIG-BRIDGE

```
esr(config-if-gi)# ipv6 dhcp client select-timeout 30
```

ipv6 dhcp client timeout

, , IPv6 DHCP-. IPv6- -, , , , IPv6- . , IPv6- (dhcp retry).
(no) .

```
ipv6 dhcp client timeout <SEC>  
no ipv6 dhcp client timeout
```

<SEC>- , [1..600].

60

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CONFIG-GI
CONFIG-TE
CONFIG-SUBIF
CONFIG-QINQ-IF
CONFIG-PORT-CHANNEL
CONFIG-BRIDGE

```
esr(config-if-gi)# ipv6 dhcp client timeout 300
```

ipv6 dhcp client vendor-class-id

DHCP 60 DHCP 43.
(no) .

```
ipv6 dhcp client vendor-class-id <NAME>  
no ipv6 dhcp client vendor-class-id
```

<NAME> – , 31.

.

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CONFIG-GI

CONFIG-TE

CONFIG-SUBIF

CONFIG-QINQ-IF

CONFIG-PORT-CHANNEL

CONFIG-BRIDGE

```
esr(config-if-gi)# ipv6 dhcp client vendor-class-id ELTEX
```

ipv6 dhcp server address

IPv6- DHCP-, IPv6-.

(no) IPv6- DHCP-.

ipv6 dhcp server address <IPV6-ADDR>

no ipv6 dhcp server address

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

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CONFIG-GI

CONFIG-TE

CONFIG-SUBIF

CONFIG-QINQ-IF

CONFIG-PORT-CHANNEL

CONFIG-BRIDGE

```
esr(config-if-gi)# ipv6 dhcp server address fc00::1
```

renew ipv6 dhcp

IPv6- DHCP.

```
renew ipv6 dhcp <IF>
```

<IF> – , , .

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ROOT

```
esr# renew ipv6 dhcp gigabitethernet 1/0/1
```

DHCP Relay

ip dhcp information option

82 DHCP Relay .

(no) 82 DHCP Relay .

```
[no] ip dhcp information option
```

.

.

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CONFIG

```
esr(config)# ip dhcp information option
```

ip dhcp information option action

, 82.

(no) .

```
ip dhcp information option action { replace | keep | drop }
```

```
no ip dhcp information option action
```

- replace – 82 ;
- keep – 82 ;

- drop – , 82.

keep

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CONFIG-GI

CONFIG-TE

CONFIG-SUBIF

CONFIG-QINQ-IF

CONFIG-PORT-CHANNEL

CONFIG-BRIDGE

```
esr(config-if-gi)# ip dhcp information option action drop
```

ip dhcp information option format-type access-node-id

Access-node-ID Circuit ID 82 tr101.

(no) .

```
[no] ip dhcp information option format-type access-node-id <NODE-ID>
```

<NODE-ID> – Access-node-ID, 31 .

Hostname .

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CONFIG

```
esr(config)# ip dhcp information option format-type access-node-id R1
```

ip dhcp information option format-type circuit-id

Circuit ID 82 .

(no) .

```
[no] ip dhcp information option format-type circuit-id <CIRCUIT-ID>
```

<CIRCUIT-ID> – Circuit ID, 63.

.

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CONFIG-GI

CONFIG-TE

CONFIG-SUBIF

CONFIG-QINQ-IF

CONFIG-PORT-CHANNEL

CONFIG-BRIDGE

```
esr(config-if-gi)# ip dhcp information option format-type circuit-id gil_0_1
```

ip dhcp information option format-type option

Circuit ID 82 tr101.

(no) .

[no] ip dhcp information option format-type option <FORMAT> [delimiter <DELIMITER>]

<FORMAT> – , :

- sp – ;
- sv – VLAN;
- pv – VLAN;
- spv – , VLAN;
- bin – : VLAN(4), (1), (4).

<DELIMITER> – , [., ; # / space].

– spv

«:» :sp, sv, pv

«/» «:» spv

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CONFIG

```
esr(config)# ip dhcp information option format-type option spv delimiter #
```

ip dhcp information option format-type remote-id

Remote ID 82 .

(no) .

[no] ip dhcp information option format-type remote-id <REMOTE-ID>

<REMOTE-ID> – Remote ID, 63 .

.

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- CONFIG-GI
- CONFIG-TE
- CONFIG-SUBIF
- CONFIG-QINQ-IF
- CONFIG-PORT-CHANNEL
- CONFIG-BRIDGE

```
esr(config-if-gi)# ip dhcp information option format-type remote-id R1
```

ip dhcp information option suboption-type

82.

(no) .

[no] ip dhcp information option suboption-type { tr101 | custom }

tr101 – TR-101 82 , TR-101 (. 10);

custom – 82 , 11.

10 – 82 TR-101

| Circuit ID | Access-Node-Id, hostname («ip dhcp information option format-type access-node-id», ip dhcp information option format-type access-node-id) eth <stacked/slotid/interfaceid>:<vlan> («ip dhcp information option format-type option», ip dhcp information option format-type option) – , , dhcp-. |
|-----------------|---|
| Remote agent ID | Enterprise number – 0089c1 MAC- |

11 – 82 custom

| | |
|-----------------|--|
| | |
| Circuit ID | (1) Circuit ID (1) VLAN (2) (1) (4) |
| Remote agent ID | (1) Remote ID (1) (1) MAC- |

tr101

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CONFIG

```
esr(config)# ip dhcp information option suboption-type custom
```

ip dhcp-relay

DHCP-relay.
(no) DHCP-relay.

[no] ip dhcp-relay

.

.

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CONFIG

```
esr(config)# ip dhcp-relay
```

ip helper-address

IP- DHCP-, DHCP Discover , DHCP Relay-.

(no) IP- DHCP- DHCP Relay-.

```
[no] ip helper-address <IP>
```

<IP> – IP- DHCP-, AAA.BBB.CCC.DDD, [0..255]. 4 IP-, .

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CONFIG-GI

CONFIG-TE

CONFIG-SUBIF

CONFIG-QINQ-IF

CONFIG-PORT-CHANNEL

CONFIG-BRIDGE

```
esr(config-if-gi)# ip helper-address 10.10.10.1
```

ip helper-address vrrp-group

DHCP Discover , DHCP Relay-, VRRP- DOWN.

(no) DHCP Discover , DHCP Relay-, VRRP- DOWN.

```
ip helper-address vrrp-group <GRID>
```

```
no ip helper-address vrrp-group
```

<GRID> – VRRP-, [1..32].

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CONFIG-GI

CONFIG-TE

CONFIG-SUBIF

CONFIG-QINQ-IF

CONFIG-PORT-CHANNEL

CONFIG-BRIDGE

```
esr(config-if-gi)# ip helper-address vrrp-group 7
```

IPv6 DHCP Relay

ipv6 dhcp-relay

IPv6 DHCP-.

(no) IPv6 DHCP-.

```
[no] ipv6 dhcp-relay
```

.

.

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CONFIG

```
esr(config)# ipv6 dhcp-relay
```

ipv6 dhcp-relay interface

IPv6- DHCP-, DHCP Solicit-, IPv6 DHCP Relay-.

(no) IPv6 DHCP Relay-.

```
ipv6 dhcp-relay interface <IF> [ <IPv6-ADDR> ]
```

```
no ipv6 dhcp-relay interface <IF>
```

<IF> – , , .

<IPv6-ADDR> – IPv6- DHCP-, X:X:X:X, [0..FFFF]. , ff02::1:2. IPv6 DHCP- .

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CONFIG-GI

CONFIG-TE

CONFIG-SUBIF

CONFIG-QINQ-IF

CONFIG-PORT-CHANNEL

CONFIG-BRIDGE

```
esr(config-if-gi)# ipv6 dhcp-relay interface gigabitethernet 1/0/2 fc00::1
```

DHCP-

clear ip dhcp binding

DHCP-IP-.

```
clear ip dhcp binding [ <ADDR> ] [vrf <VRF>]
```

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

<VRF> – VRF, . 31.

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ROOT

```
esr# clear ip dhcp binding
```

address

IP- DHCP-.

(no) IP-.

```
address <ADDR> { mac-address <MAC> | client-identifier <CLIENT-ID> }
```

```
no address <ADDR>
```

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

<MAC> – -, IP-, XX:XX:XX:XX:XX:XX, [00..FF];

<CLIENT-ID> – DHCP option 61.

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CONFIG-DHCP-SERVER

```
esr(config-dhcp-server)# address 192.168.3.21 mac-address A8:F9:4B:AA:00:40
```

address-range

IP- , DHCP-.

(no) IP-.

address-range <FROM-ADDR>-<TO-ADDR>

no address-range { <FROM-ADDR>-<TO-ADDR> | all }

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

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

32 IP-, .

all – IP-.

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CONFIG-DHCP-SERVER

```
esr(config-dhcp-server)# address-range 192.168.3.1-192.168.3.20,192.168.3.24
```

default-lease-time

, IP-, . . .

default-lease-time <TIME>

no default-lease-time

<TIME> – IP-, DD:HH:MM,:

- DD – , [0..364];
- HH – , [0..23];
- MM – , [0..59].

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CONFIG-DHCP-SERVER

```
esr(config-dhcp-server)# default-lease-time 00:04:00
```

default-router

IP- , DHCP- , DHCP 3.

(no) .

```
default-router <ADDR>
no default-router { <ADDR> | all }
```

<ADDR> – IP- , AAA.BBB.CCC.DDD, [0..255]. 8 IP-, . , «all» .

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CONFIG-DHCP-SERVER

```
esr(config-dhcp-server)# default-router 192.168.3.1,192.168.3.2
```

dns-server

IP- DNS-. DHCP-.

DNS- .

```
dns-server <ADDR>
no dns-server { <ADDR> | all }
```

<ADDR> – IP- DNS-, AAA.BBB.CCC.DDD, [0..255]. 8 IP-, . , «all» DNS-.

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CONFIG-DHCP-SERVER

```
esr(config-dhcp-server)# dns-server 8.8.8.8,8.8.4.4
```

domain-name

DNS- . DHCP- 15.

(no) .

```
domain-name <NAME>
no domain-name
```

<NAME> – DNS- , 31 .

CONFIG-DHCP-SERVER

```
esr(config-dhcp-server)# domain-name eltex.loc
```

excluded-address-range

IP- , DHCP-.

(no) IP-.

```
[no] excluded-address-range <FROM-ADDR>-<TO-ADDR>
```

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

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

32 IP-, .

CONFIG-DHCP-SERVER

```
esr(config-dhcp-server)# excluded-address-range 192.168.3.1-192.168.3.20,192.168.3.24
```

ip dhcp-server

DHCP-.

(no) DHCP-.

```
[no] ip dhcp-server [vrf <VRF>]
```

<VRF> – VRF, DHCP-. 31 .

.

CONFIG

```
esr(config)# ip dhcp-server
```

ip dhcp-server dscp

DSCP IP- DHCP-.

(no) DSCP .

```
ip dhcp-server dscp <DSCP>
```

```
no ip dhcp-server dscp
```

<DSCP> – DSCP, [0..63].

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CONFIG

```
esr(config)# ip dhcp-server dscp 40
```

ip dhcp-server pool

IP- DHCP- .

(no) IP-.

```
ip dhcp-server pool <NAME> [vrf <VRF>]
```

```
no ip dhcp-server pool { <NAME> | all }
```

<NAME> – IP- DHCP-, 31 . «all» IP-. , «all» IP-;

<VRF> – VRF, IP- DHCP-. 31 .

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CONFIG

```
esr(config)# ip dhcp-server pool lan
```

ip dhcp-server vendor-class-id

(DHCP 60) .

(no) .

```
[no] ip dhcp-server vendor-class-id <NAME>
```

<NAME> – , 31. «all» .

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CONFIG

```
esr(config)# ip dhcp-server vendor-class-id ELTEX
```

max-lease-time

IP-. DHCP- , , , . .

```
max-lease-time <TIME>
```

```
no max-lease-time
```

<TIME> – IP-, DD:HH:MM,:

- DD – , [0..364];
- HH – , [0..23];
- MM – , [0..59].

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CONFIG-DHCP-SERVER

```
esr(config-dhcp-server)# max-lease-time 00:16:00
```

netbios-name-server

44 DHCP (IP- NetBIOS-).

(no) IP- NetBIOS- (44).

```
[no] netbios-name-server <ADDR>
```

<ADDR> – IP- NetBIOS- AAA.BBB.CCC.DDD, [0..255]. 4 IP-. «all» IP-;

CONFIG-DHCP-SERVER

```
esr(config-dhcp-server)# netbios-name-server 192.168.45.15
```

network

IP- , IP-.

(no) .

network <ADDR/LEN>

no network

<ADDR/LEN> – IP-, AAA.BBB.CCC.DDD/EE, AAA – DDD [0..255] EE [1..32].

CONFIG-DHCP-SERVER

```
esr(config-dhcp-server)# network 192.168.3.0/24
```

option

DHCP.

.

option <CODE> { ip-address <ADDR> | ascii-text <STRING> | hex-bytes <HEX> }

no option { <CODE> | all }

<CODE> – DHCP, [0..255].

<HEX> – , 255 .

<ADDR> – IP-, AAA.BBB.CCC.DDD, [0..255]. 15 IP-, .

<STRING> – , 1 255 .

all – .

.

CONFIG-DHCP-SERVER

```
esr(config-dhcp-server)# option 43 ip-address 10.10.1.1
```

show ip dhcp binding

DHCP- IP-.

```
show ip dhcp binding [ <ADDR> ] [vrf <VRF>]
```

<ADDR>- IP-, , AAA.BBB.CCC.DDD, [0..255]. <ADDR>, .
<VRF>- VRF, . 31.

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ROOT

```
esr# show ip dhcp binding
```

| Allocated address | MAC address | Binding type | Lease expires at |
|-------------------|-------------------|--------------|------------------------------|
| ----- | ----- | ----- | ----- |
| 192.168.1.3 | 50:46:5d:a5:3f:91 | dynamic | Thursday 2014/01/01 12:42:12 |

show ip dhcp server dscp

DSCP DHCP-.

```
show ip dhcp server dscp
```

.

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ROOT

```
esr # show ip dhcp server dscp
DSCP:      32
```

show ip dhcp server pool

IP-. .

```
show ip dhcp server pool [ <POOL_NAME> ]
```

<POOL_NAME> - , .

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ROOT

```
esr# show ip dhcp server pool lan-pool
name:                lan-pool
network:              192.168.1.0/24
address-ranges:       192.168.1.2-192.168.1.254
default-router:       192.168.1.1
max lease time:       1:0:0 (day:hour:min)
default lease time:   0:12:0 (day:hour:min)
```

show ip dhcp server vendor-specific

DHCP- 43 60.

```
show ip dhcp server vendor-specific
```

.

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ROOT

```
esr# show ip dhcp server vendor-specific
Vendor ID      Vendor options
-----
ELTEX          0x0b0931302e312e39302e32
```

tftp-server

IP- TFTP-. DHCP- 150.

(no) IP- TFTP-.

```
tftp-server <ADDR>
```

```
no tftp-server
```

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

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config-dhcp-server

```
esr(config-ipv6-dhcp-server)# tftp-server 192.168.0.1
```

vendor-specific-options

(DHCP 43).

(no) .

vendor-specific-options <HEX>

no vendor-specific-options

<HEX> – , 128 .

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CONFIG-DHCP-VENDOR-ID

```
esr(config-dhcp-vendor-id)# vendor-specific-options 0b0931302e312e39302e320
```

IPv6 DHCP-

address

IPv6- DHCP-.

(no) IPv6-.

address <IPV6-ADDR> mac-address <MAC>

no address <IPV6-ADDR>

<IPV6-ADDR> – IPv6-, X:X:X:X::X, [0..FFFF]. , «all» IPv6-;

<MAC> – -, IPv6-, XX:XX:XX:XX:XX:XX, [00..FF].

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CONFIG-IPV6-DHCP-SERVER

```
esr(config-ipv6-dhcp-server)# address fc00::2 mac-address A8:F9:4B:AA:00:40
```

address-range

IPv6- DHCP-.

(no) IPv6-.

[no] address-range <FROM-ADDR>-<TO-ADDR>

no address-range all

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

<TO-ADDR> – IP-, X:X:X:X::X, [0..FFFF].

32 IPv6-, .

all – IPv6-.

10

CONFIG-IPV6-DHCP-SERVER

```
esr(config-ipv6-dhcp-server)# address-range fc00::1-fc00:12,fc00::15-fc00::25
```

default-lease-time

, IPv6-, .

.

default-lease-time <TIME>

no default-lease-time

<TIME> – IP-, DD:HH:MM, :

- DD – , [0..364];
- HH – , [0..23];
- MM – , [0..59].

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CONFIG-IPV6-DHCP-SERVER

```
esr(config-ipv6-dhcp-server)# default-lease-time 00:04:00
```

dns-server

IPv6- DNS-. DHCP-.

DNS- .

```
dns-server <IPV6-ADDR>
```

```
no dns-server { <IPV6-ADDR> | all }
```

<IPV6-ADDR> – IPv6- DNS-, X:X:X:X::X, [0..FFFF]. 8 IPv6-, . , «all» DNS-.

10

CONFIG-IPV6-DHCP-SERVER

```
esr(config-ipv6-dhcp-server)# dns-server 8.8.8.8,8.8.4.4
```

domain-name

. DHCP-.

(no) .

```
domain-name <NAME>
```

```
no domain-name
```

<NAME> – , 31.

10

CONFIG-IPV6-DHCP-SERVER

```
esr(config-ipv6-dhcp-server)# domain-name eltex.loc
```

excluded-address-range

IPv6- , DHCP-.

(no) IPv6-.

```
[no] excluded-address-range <FROM-ADDR>-<TO-ADDR>
```

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

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

32 IPv6-, .

10

CONFIG-IPV6-DHCP-SERVER

```
esr(config-ipv6-dhcp-server)# excluded-address-range 10::1-10::9
```

ipv6 dhcp-server

IPv6 DHCP-.

(no) IPv6 DHCP-.

```
[no] ipv6 dhcp-server [ vrf <VRF> ]
```

<VRF> – VRF, 31, DHCP-.

.

10

CONFIG

```
esr(config)# ipv6 dhcp-server
```

ipv6 dhcp-server pool

IPv6- DHCP- .

(no) IPv6-.

```
[no] ipv6 dhcp-server pool <NAME> [vrf <VRF>]
```

<NAME> – IPv6- DHCP-, 31. «all» IPv6-;

<VRF> – VRF, 31, IP- DHCP-.

10

CONFIG

```
esr(config)# ipv6 dhcp-server pool lan
```

ipv6 dhcp-server vendor-class-id

(DHCP 60) .

(no) .

[no] ipv6 dhcp-server vendor-class-id <NAME>

<NAME> - , 31. «all» .

10

CONFIG

```
esr(config)# ipv6 dhcp-server vendor-class-id ELTEX
```

max-lease-time

IPv6-. IPv6 DHCP- , , , . .

max-lease-time <TIME>

no max-lease-time

<TIME> - IP-, DD:HH:MM, :

- DD - , [0..364];
- HH - , [0..23];
- MM - , [0..59].

1

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CONFIG-IPV6-DHCP-SERVER

```
esr(config-ipv6-dhcp-server)# max-lease-time 00:16:00
```

network

IPv6- , IP-.

(no) .

network <IPv6-ADDR/LEN>

no network

<IPv6-ADDR/LEN> – IP- , X:X:X:X::X/EE, X [0..FFFF] EE [1..128].

10

CONFIG-IPV6-DHCP-SERVER

```
esr(config-ipv6-dhcp-server)# network fc00::/110
```

option

DHCP.

.

option <CODE> { ip-address <IPv6-ADDR> | ascii-text <STRING> | hex-bytes <HEX> }

no option { <CODE> | all }

<CODE> – DHCP, [1..255].

<HEX> – , 255 .

<IPv6-ADDR> – IPv6-, X:X:X:X::X, [0..FFFF]. 8 IP-, .

<STRING> – , 1 255 .

all – .

.

10

CONFIG-IPV6-DHCP-SERVER

```
esr(config-ipv6-dhcp-server)# option 43 ip-address fc00::/110
```

show ipv6 dhcp binding

DHCP- IPv6-.

```
show ipv6 dhcp binding [ <IPV6-ADDR> ]
```

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

1

ROOT

```
esr# show ipv6 dhcp binding
IPv6 address                Lease expires at
-----
2001:db8:0:1::18           Tuesday 2015/06/09 23:39:45
```

show ipv6 dhcp server pool

IPv6-. .

```
show ipv6 dhcp server pool [ <POOL_NAME> ]
```

<POOL_NAME> – , , 31.

1

ROOT

```
esr# show ipv6 dhcp server pool lan-pool-ipv6
name:                lan-pool-ipv6
network:             fc00::/110
domain name:         example.com
address-ranges:      fc00::1-fc00::2
                    fc00::3
addresses:           --
dns-server:          fc00:2::3
max lease time:      001:00:00 (day:hour:min)
default lease time:  000:12:00 (day:hour:min)
```

show ipv6 dhcp server vendor-specific

DHCP- 43 60.

```
show ipv6 dhcp server vendor-specific
```

.

1

ROOT

```
esr# show ipv6 dhcp server vendor-specific
Vendor ID      Vendor options
-----
ELTEX          0x0b0931302e312e39302e32
```