

# IP-

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## ip address

IP- IP- ( , , ).

(no) IP- . IP- .



IP- VLAN ID, . IP- Ethernet- VLAN. VLAN IPv6-, IP- VLAN .

VLAN ID ip internal-usage vlan <VLAN\_ID>.

```
ip address <ADDR/LEN>
```

```
no ip address { <ADDR/LEN> | all }
```

<ADDR/LEN> – IP- , AAA.BBB.CCC.DDD/EE, AAA – DDD [0..255] EE [1..32]. IP- . 8 IP- (IPv6-) . «all» IP-;

all – IP- .

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CONFIG-GI

CONFIG-TE

CONFIG-SUBIF

CONFIG-QINQ-IF

CONFIG-SERIAL

CONFIG-PORT-CHANNEL

CONFIG-E1

CONFIG-MULTILINK

CONFIG-VTI

CONFIG-GRE

CONFIG-IP4IP4

CONFIG-BRIDGE

CONFIG-LOOPBACK

CONFIG-LT

```
esr(config-if-gi)# ip address 192.168.25.25/24
```

## ip redirects

ICMP IP- IP-  
(no) ICMP- IP- IP-.

[no] ip redirects

.

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ICMP- IP- IP-.

CONFIG-GI  
CONFIG-TE  
CONFIG-SUBIF  
CONFIG-QINQ-IF  
CONFIG-PORT-CHANNEL  
CONFIG-BRIDGE  
CONFIG-LOOPBACK  
CONFIG-E1  
CONFIG-MULTILINK  
CONFIG-GRE  
CONFIG-IP4IP4  
CONFIG-LT

```
esr(config-if-gi)# no ip redirects
```

## ip route source-route

ip source-route.  
(no) ip source-route .

[no] ip route source-route

.

.

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## CONFIG

```
esr(config)# ip route source-route
```

## ip unnumbered

ip- .

(no) ip unnumbered.

```
ip unnumbered { <IF> | <TUN> }
```

```
no ip unnumbere
```

<IF>- , , ;

<TUN>- , , .

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CONFIG-GI

CONFIG-TE

CONFIG-SUBIF

CONFIG-QINQ-IF

CONFIG-PORT-CHANNEL

CONFIG-BRIDGE

CONFIG-LOOPBACK

CONFIG-E1

CONFIG-MULTILINK

CONFIG-GRE

CONFIG-IP4IP4

```
esr(config-e1)# ip unnumbered gigabitethernet 1/0/1
esr(config-e1)#
```

## ip unreachable

ICMP- .

(no) ICMP- .

```
[no] ip unreachable
```

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ICMP- .

CONFIG-GI

CONFIG-TE

CONFIG-SUBIF

CONFIG-QINQ-IF

CONFIG-PORT-CHANNEL

CONFIG-BRIDGE

CONFIG-LOOPBACK

CONFIG-E1

CONFIG-MULTILINK

CONFIG-GRE

CONFIG-IP4IP4

CONFIG-LT

```
esr(config-if-gi)# no ip unreachablees
```

## show ip interfaces

IP-.

```
show ip interfaces [ { <IF> | <TUN> | vrf <VRF> [ ip-address <ADDR> ] } ]
```

<VRF>- VRF, 31. IP- VRF;

<ADDR>- IP-, AAA.BBB.CCC.DDD/EE, [0..255]. IP- c IP-;

<IF>- , , ;

<TUN>- , , .

. , IP-, .

, IP- DHCP, DHCP- IP-.

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ROOT

```
esr# show ip interfaces
```

IP address	Interface	Type
155.0.0.60/24	br10	static
16.0.0.2/24	gil/0/16	DHCP
10.0.0.1/8	gil/0/18	static
180.0.0.1/24	gil/0/18	static
192.168.1.1/24	gil/0/2	static
25.0.0.2/30	gre 25	static
10.1.0.2/24	ip4ip4 10	static

```
esr# show ip interfaces gigabitethernet 1/0/16
```

IP address	Interface	Type
16.0.0.2/24	gil/0/16	DHCP

```
DHCP Client settings:
```

```
DHCP Server:      N/A
Lease time(dd:hh:mm): 00:02:00
Reboot time:      10 seconds
Retry time:       300 seconds
Timeout:          60 seconds
Select timeout:   0 seconds
Vendor class ID:  N/A
Ignore options:   router
```

```
Latest lease contents:
```

```
Lease time(dd:hh:mm): 00:02:00
DHCP message type:    DHCPACK
Renew at:              Wednesday2015/02/25 12:22:24 2015/02/25 12:22:24
Rebind at:             Wednesday2015/02/25 13:14:09 2015/02/25 13:14:09
Expires at:            Wednesday2015/02/25 13:29:09 2015/02/25 13:29:09
```