

# RIP RIPNG

- authentication key-chain
- clear ip rip
- clear ipv6 rip
- ip rip metric
- ip rip mode
- ip rip neighbor
- ip rip summary-address
- ipv6 rip metric
- ipv6 rip summary-address
- ipv6 router rip
- passive-interface
- passive-interface
- router rip
- show ip rip
- show ipv6 rip
- timers flush
- timers invalid
- timers update

## authentication key-chain

md5.

(no) .

```
authentication key-chain <KEYCHAIN>
```

```
no authentication key-chain
```

<KEYCHAIN> – , 16 .

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CONFIG-RIP

```
esr(config-rip)# authentication key-chain lock
```

## clear ip rip

RIP.

```
clear ip rip
```

.

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ROOT

```
esr# clear ip rip
```

## clear ipv6 rip

RIPNG.

```
clear ipv6 rip
```

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ROOT

```
esr# clear ipv6 rip
```

## ip rip metric

.

(no) .

```
ip rip metric <VALUE>
```

```
no ip rip metric
```

<VALUE> – , [1..15].

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CONFIG-GI

CONFIG-TE

CONFIG-SUBIF

CONFIG-QINQ-IF

CONFIG-PORT-CHANNEL

CONFIG-BRIDGE

CONFIG-GRE

CONFIG-IP4IP4

CONFIG-LT

```
esr(config-if-gi)# ip rip metric 11
```

## ip rip mode

.  
(no) .

```
ip rip mode <MODE>
```

```
no ip rip mode
```

<MODE> – :

- multicast – ;
- broadcast – ;
- unicast – unicast-, *ip rip neighbor <ADDR>*.

multicast

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CONFIG-GI

CONFIG-TE

CONFIG-SUBIF

CONFIG-QINQ-IF

CONFIG-PORT-CHANNEL

CONFIG-BRIDGE

CONFIG-GRE

CONFIG-IP4IP4

CONFIG-LT

```
esr(config-if-gi)# ip rip mode broadcast
```

## ip rip neighbor

IP- unicast- .

(no) .

```
[no] ip rip neighbor <ADDR>
```

<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

CONFIG-GRE

CONFIG-IP4IP4

CONFIG-LT

```
esr(config-if-gi)# ip rip neighbor 10.100.100.5
```

## ip rip summary-address

.

(no) .

[no] ip rip summary-address <ADDR/LEN>

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

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CONFIG-GI

CONFIG-TE

CONFIG-SUBIF

CONFIG-QINQ-IF

CONFIG-PORT-CHANNEL

CONFIG-BRIDGE

CONFIG-GRE

CONFIG-IP4IP4

CONFIG-LT

```
esr(config-if-gi)# ip rip summary-address 10.200.200.0/24
```

## ipv6 rip metric

.

(no) .

```
ipv6 rip metric <VALUE>
no ipv6 rip metric
```

<VALUE> – , [1..15].

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

```
esr(config-if-gi)# ipv6 rip metric 11
```

## ipv6 rip summary-address

IPv6.

(no) .

```
[no] ipv6 rip summary-address <ADDR/LEN>
```

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

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CONFIG-GI  
CONFIG-TE

CONFIG-SUBIF  
CONFIG-QINQ-IF  
CONFIG-PORT-CHANNEL  
CONFIG-BRIDGE  
CONFIG-GRE  
CONFIG-IP4IP4  
CONFIG-LT

```
esr(config-if-gi)# ipv6 rip summary-address fb00::1/20
```

**ipv6 router rip**

RIPNG-  
(no) RIPNG- .

[no] ipv6 router rip

.

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CONFIG

```
esr(config)# ipv6 router rip
esr(config-ripng)#
```

**passive-interface**

.  
(no) .

[no] passive-interface { <IF> | <TUN> }

<IF>- , , .  
<TUN>- , , .

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CONFIG-RIP

```
esr(config-rip)# passive-interface gigabitethernet 1/0/15
```

## passive-interface

.  
(no) .

[no] passive-interface <IF>

<IF> -, , .

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CONFIG-RIPNG

```
esr(config-ripng)# passive-interface gigabitethernet 1/0/15
```

## router rip

RIP-.  
(no) RIP- .

[no] router rip

.

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CONFIG

```
esr(config)# router rip  
esr(config-rip)#
```

## show ip rip

RIP.

show ip rip

.

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ROOT

```
esr# show ip rip Sword# sho ip rip
10.10.0.1/32    via 115.0.0.10 on gil/0/15 [rip 21:31:17] * (100/6)
10.1.90.0/24   via 115.0.0.10 on gil/0/15 [rip 21:31:17] * (100/6)
192.168.16.0/24 via 115.0.0.10 on gil/0/15 [rip 21:31:17] * (100/6)
```

## show ipv6 rip

RIPNG.

show ipv6 rip

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ROOT

```
esr# show ipv6 rip Sword# sho ip rip
10.10.0.1/32    via 115.0.0.10 on gil/0/15 [rip 21:31:17] * (100/6)
10.1.90.0/24   via 115.0.0.10 on gil/0/15 [rip 21:31:17] * (100/6)
192.168.16.0/24 via 115.0.0.10 on gil/0/15 [rip 21:31:17] * (100/6)
```

## timers flush

, . : «timers invalid + 60».

(no) .

timers flush <TIME>

no timers flush

<TIME> - , [12.65535].



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CONFIG-RIP

CONFIG-RIPNG

```
esr(config-rip)# timers flush 300
```

## timers invalid

· · · ·

(no) .

timers invalid <TIME>

no timers invalid

<TIME> – , [12..65535].

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CONFIG-RIP

CONFIG-RIPNG

```
esr(config-rip)# timers invalid 240
```

## timers update

, ·

(no) .

timers update <TIME>

no timers update

<TIME> – , [12..65535].

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CONFIG-RIP

CONFIG-RIPNG

```
esr(config-rip)# timers update 25
```