VRRP

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- vrrp
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- vrrp track-ip interval
- vrrp track-ip packets
- vrrp version

clear vrrp-state

VRRP 3 * Advertisement_Interval +1. , backup .

```
clear vrrp-state
```

.

1

ROOT

1

```
esr# clear vrrp-state
```

show vrrp

VRRP.

```
show vrrp [ <ID> ] [ vrf <VRF> ]
```

<ID> – , [1..255];

<VRF> – VRF, 31 .

1

ROOT

1

```
esr# show vrrp
Virtual router   Virtual IP         Priority   Preemption   State
--------------   ----------------   --------   ----------   ------
4                4.4.4.1            100        Enabled      Master
```

2

```
esr# show vrrp 4
Interface                 bridge 50
State:                    Master
Virtual IP address:       4.4.4.1
Source IP address:        4.4.4.4
Virtual MAC address:      00:00:5e:00:01:04
Advertisement interval:   1
Preemption:               Enabled
Priority:                 100
Synchronization group ID: --
```

vrrp

VRRP- IP-.

(no) VRRP-.

```
[no] vrrp
```

.

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CONFIG-GI

CONFIG-TE

CONFIG-SUBIF

CONFIG-QINQ-IF

CONFIG-PORT-CHANNEL

CONFIG-BRIDGE

```
esr(config-if-gi)# vrrp
```

vrrp authentication algorithm

.

(no) .

```
vrrp authentication algorithm <ALGORITHM>
no vrrp authentication algorithm
```

<ALGORITHM> – :

- cleartext – , ;
- md5 – , md5.

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CONFIG-GI

CONFIG-TE

CONFIG-SUBIF

CONFIG-QINQ-IF

CONFIG-PORT-CHANNEL

CONFIG-BRIDGE

```
esr(config-gre)# vrrp authentication algorithm cleartext
```

vrrp authentication key

.

(no) .

```
vrrp authentication key ascii-text { <CLEAR-TEXT> | encrypted <ENCRYPTED-TEXT> }
no vrrp authentication key
```

<CLEAR-TEXT> – , 8 16 ;
<ENCRYPTED-TEXT> – 8 16 (16 32) (0xYYYY...) (YYYY...).

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CONFIG-GI

CONFIG-TE

CONFIG-SUBIF

CONFIG-QINQ-IF

CONFIG-PORT-CHANNEL

CONFIG-BRIDGE

```
esr(config-if-gi)# vrrp authentication key ascii-text 123456789
esr(config-if-gi)# vrrp authentication key ascii-text encrypted CDE65039E5591FA3F1
```

vrrp force-up

, IP- UP .

(no) .

```
[no] vrrp force-up
```

.

.

10

CONFIG-GI

CONFIG-TE

CONFIG-SUBIF

CONFIG-QINQ-IF

CONFIG-PORT-CHANNEL

CONFIG-BRIDGE

```
esr(config-if-gi)# vrrp force-up
```

vrrp group

VRRP- . VRRP-, , .

(no) VRRP- .

```
vrrp group <GRID>
no vrrp group
```

<GRID> – VRRP-, [1..32].

10

CONFIG-GI

CONFIG-TE

CONFIG-SUBIF

CONFIG-QINQ-IF

CONFIG-PORT-CHANNEL

CONFIG-BRIDGE

```
esr(config-if-gi)# vrrp group 10
```

vrrp id

VRRP-.

(no) .

```
vrrp id <VRID>
no vrrp id
```

<VRID> – VRRP-, [1..255].

10

CONFIG-GI

CONFIG-TE

CONFIG-SUBIF

CONFIG-QINQ-IF

CONFIG-PORT-CHANNEL

CONFIG-BRIDGE

```
esr(config-if-gi)# vrrp id 125
```

vrrp ip

IP- VRRP-.

(no) IP- .

```
vrrp ip <ADDR/LEN > [ secondary ]
no vrrp ip
```

<ADDR/LEN> – IP- , AAA.BBB.CCC.DDD/EE, AAA – DDD [0..255] EE [1..32]. IP- . 8 IP- .

secondary – IP-.

10

CONFIG-GI

CONFIG-TE

CONFIG-SUBIF

CONFIG-QINQ-IF

CONFIG-PORT-CHANNEL

CONFIG-BRIDGE

```
esr(config-bridge)# vrrp ip 115.0.0.1
```

vrrp preempt delay

, Backup- Master Master- .

(no) .

```
[no] vrrp preempt delay <TIME>
no vrrp preempt delay
```

<TIME> – , [0..1000].

0

10

CONFIG-GI

CONFIG-TE

CONFIG-SUBIF

CONFIG-QINQ-IF

CONFIG-PORT-CHANNEL

CONFIG-BRIDGE

```
esr(config-if-gi)# vrrp preempt delay 100
```

vrrp preempt disable

, Backup- Master Master- .

, IP- IP- , Master .

(no) .

```
[no] vrrp preempt disable
```

.

.

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CONFIG-GI

CONFIG-TE

CONFIG-SUBIF

CONFIG-QINQ-IF

CONFIG-PORT-CHANNEL

CONFIG-BRIDGE

```
esr(config-if-gi)# vrrp preempt disable
```

vrrp priority

VRRP-.

(no) .

```
vrrp priority <PR>
no vrrp priority
```

<PR> – VRRP-, [1..254].

100

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CONFIG-GI

CONFIG-TE

CONFIG-SUBIF

CONFIG-QINQ-IF

CONFIG-PORT-CHANNEL

CONFIG-BRIDGE

```
esr(config-if-gi)# vrrp priority 189
```

vrrp source-ip

IP-, IP- VRRP-.

(no) IP-.

```
vrrp source-ip <IP>
no vrrp source-ip
```

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

10

CONFIG-GI

CONFIG-TE

CONFIG-SUBIF

CONFIG-QINQ-IF

CONFIG-PORT-CHANNEL

CONFIG-BRIDGE

```
esr(config-bridge)# vrrp source-ip 115.0.0.10
```

vrrp timers advertise

VRRP-.

(no) .

```
vrrp timers advertise <TIME>
no vrrp timers advertise
```

<TIME> – , [1..40].

1

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CONFIG-GI

CONFIG-TE

CONFIG-SUBIF

CONFIG-QINQ-IF

CONFIG-PORT-CHANNEL

CONFIG-BRIDGE

```
esr(config-gre)# vrrp timers advertise 4
```

vrrp timers garp delay

, Gratuituous ARP () Master.

(no) .

```
vrrp timers garp delay <TIME>
no vrrp timers garp delay
```

<TIME> – , [1..60].

5

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CONFIG-GI

CONFIG-TE

CONFIG-SUBIF

CONFIG-QINQ-IF

CONFIG-PORT-CHANNEL

CONFIG-BRIDGE

```
esr(config-gre)# vrrp timers garp delay 4
```

vrrp timers garp refresh

, Gratuituous ARP-(), Master.

(no) .

```
vrrp timers garp refresh <TIME>
no vrrp timers garp refresh
```

<TIME> – , [1..65535].

.

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CONFIG-GI

CONFIG-TE

CONFIG-SUBIF

CONFIG-QINQ-IF

CONFIG-PORT-CHANNEL

CONFIG-BRIDGE

```
esr(config-gre)# vrrp timers garp refresh 4
```

vrrp timers garp refresh-repeat

Gratuituous ARP-, **garp refresh,** Master.

(no) .

```
vrrp timers garp refresh-repeat <COUNT>
no vrrp timers garp refresh-repeat
```

<COUNT> – , [1..60].

1

10

CONFIG-GI

CONFIG-TE

CONFIG-SUBIF

CONFIG-QINQ-IF

CONFIG-PORT-CHANNEL

CONFIG-BRIDGE

```
esr(config-gre)# vrrp timers garp refresh-repeat 10
```

vrrp timers garp repeat

Gratuituous ARP , Master.

(no) .

```
vrrp timers garp repeat <COUNT>
no vrrp timers garp repeat
```

<COUNT> – , [1..60].

5

10

CONFIG-GI

CONFIG-TE

CONFIG-SUBIF

CONFIG-QINQ-IF

CONFIG-PORT-CHANNEL

CONFIG-BRIDGE

```
esr(config-gre)# vrrp timers garp repeat 10
```

vrrp track-ip

vrrp icmp-reply IP-.

(no) vrrp icmp-reply IP-.

```
[no] vrrp track-ip <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

```
esr(config-if)# vrrp track-ip 192.168.154.22
```

vrrp track-ip interval

icmp-request vrrp icmp-reply IP-.

(no) .

```
vrrp track-ip interval <TIME>
no vrrp track-ip interval
```

<TIME> – icmp-request [3..60].

10

10

CONFIG-GI

CONFIG-TE

CONFIG-SUBIF

CONFIG-QINQ-IF

CONFIG-PORT-CHANNEL

CONFIG-BRIDGE

```
esr(config-if)# vrrp track-ip interval 20
```

vrrp track-ip packets

icmp-request vrrp icmp-reply IP-.

(no) .

```
vrrp track-ip packets <COUNT>
no vrrp track-ip packets
```

<COUNT> – icmp-request [1..5]

5

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CONFIG-GI

CONFIG-TE

CONFIG-SUBIF

CONFIG-QINQ-IF

CONFIG-PORT-CHANNEL

CONFIG-BRIDGE

```
esr(config-if)# vrrp track-ip packets 3
```

vrrp version

VRRP-.

(no) .

```
vrrp version <VERSION>
no vrrp version
```

<VERSION> – VRRP-: 2, 3.

2

10

CONFIG-GI

CONFIG-TE

CONFIG-SUBIF

CONFIG-QINQ-IF

CONFIG-PORT-CHANNEL

CONFIG-BRIDGE

```
esr(config-gre)# vrrp version 3
```