

Bidirectional Forwarding Detection (BFD) OSPF BGP

Bidirectional Forwarding Detection protocol (BFD) — , .

<https://tools.ietf.org/html/rfc5881>

BFD , *hello*- , *hello*- , BFD- .

BFD 1 (Eltex ESR 200 65535).

1.4.0 , BGP OSPF .

BFD .

BFD :

1. BFD , ():

```
# configure
# configure-if-view
# configure-tunnel-view
[no] ip bfd min-rx-interval <TIME> -
[no] ip bfd min-tx-interval <TIME> -
[no] ip bfd idle-tx-interval <TIME> - ,
[no] ip bfd multiplier <MULTIPLIER> - ,
[no] ip bfd passive - BFD-
```

MULTIPLIER := 5 .. 100

TIME := 200 .. 65535

, :

Minimum RX interval: 200 ms

Minimum TX interval: 200 ms

Idle TX interval: 1000 ms

Multiplier: 5 packets

Passive: No

2. BFD.

BGP BGP :

```
# bgp-neighbor-view
[no] bfd enable - / BFD BGP
```

BFD upadate-source source IP BFD:

```
# update-source <A.B.C.D>
[no] update-source - / BFD
```

OSPF BFD , OSPF:

```
# configure-if-view
[no] ip ospf bfd-enable
```

BFD :

```
# configure-view
[no] ip route <A.B.C.D/N> <IP_GATEWAY> bfd
```

BFD :

esr #commit

esr #confirm

BFD :

esr# **show ip bfd**

Minimum RX interval: 200 ms

Minimum TX interval: 200 ms

Idle TX interval: 1000 ms

Multiplier: 5 packets

Passive: No

BFD :

esr# **sh ip bfd interface gigabitethernet 1/0/1**

Minimum RX interval: 200 ms

Minimum TX interval: 200 ms

Idle TX interval: 1000 ms

Multiplier: 5 packets

Passive: No

esr# **sh ip bfd interface gre 1**

Minimum RX interval: 200 ms

Minimum TX interval: 200 ms

Idle TX interval: 1000 ms

Multiplier: 5 packets

Passive: No

Related articles

- [OSPF MD5](#)
- [MultiWAN](#)
- [OSPF MES23xx/33xx/35xx/5324](#)
- [Route-Map BGP- MES23xx/33xx/35xx/5324](#)
- [Route Reflector BGP MES23xx/33xx/35xx/5324](#)