

KeepAlived VRID mismatch [Dropping received VRRP packet]

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KeepAlived VRID mismatch [Dropping received VRRP packet]

KeepAlived VRID mismatch VRID : virtual_router_id

/var/log/messages

가

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```
Keepalived_vrrp[xxxx]: ip address associated with VRID not present in
received packet : 192.168.17.100
Keepalived_vrrp[xxxx]: one or more VIP associated with VRID mismatch actual
MASTER advert
Keepalived_vrrp[xxxx]: bogus VRRP packet received on eth0 !!!
Keepalived_vrrp[xxxx]: VRRP_Instance(VI_1) Dropping received VRRP packet...
```

Openstack

/var/log/messages

가

```
Jul 10 17:28:35 openstackctrl-02 docker[3922]: Mon Jul 10 17:28:35 2023:
(kolla_internal_vip_51) ip address associated with VRID 51 not present in
MASTER advert : 10.8.6.34
Jul 10 17:28:36 openstackctrl-02 docker[3922]: Mon Jul 10 17:28:36 2023:
(kolla_internal_vip_51) Entering MASTER STATE
Jul 10 17:28:36 openstackctrl-02 docker[3922]: Mon Jul 10 17:28:36 2023:
(kolla_internal_vip_51) Master received advert from 10.8.6.33 with higher
priority 3, ours 2
Jul 10 17:28:36 openstackctrl-02 docker[3922]: Mon Jul 10 17:28:36 2023:
(kolla_internal_vip_51) Entering BACKUP STATE
Jul 10 17:28:37 openstackctrl-02 docker[3922]: Mon Jul 10 17:28:37 2023:
(kolla_internal_vip_51) ip address associated with VRID 51 not present in
MASTER advert : 10.8.6.34
Jul 10 17:28:38 openstackctrl-02 docker[3922]: Mon Jul 10 17:28:38 2023:
(kolla_internal_vip_51) ip address associated with VRID 51 not present in
MASTER advert : 10.8.6.34
Jul 10 17:28:39 openstackctrl-02 docker[3922]: Mon Jul 10 17:28:39 2023:
(kolla_internal_vip_51) ip address associated with VRID 51 not present in
MASTER advert : 10.8.6.34
```

openstackctrl-02
advert

VIP 10.8.6.34 VRID 51

MASTER

VIP가

VRID

VIP가

.

가 VRID) KeepAlived 가 (VIP 가 VRID

```
VIP 192.168.17.100 -> VRID 20
VIP 192.168.17.150 -> VRID 20
```

KeepAlived 가 tcpdump vrid

```
# tcpdump -i <interface> vrrp
# tcpdump -i <interface> host 224.0.0.18
```

```
# tcpdump -i eth0 host 224.0.0.18
```

```
10:59:10.697847 IP 192.168.17.100 > vrrp.mcast.net: VRRPv2, Advertisement,
vrid 20, prio 100, authtype simple, intvl 1s, length 20
10:59:10.698571 IP 192.168.17.150 > vrrp.mcast.net: VRRPv2, Advertisement,
vrid 20, prio 100, authtype simple, intvl 1s, length 20
```

Openstack

```
[root@openstackctrl-01]# tcpdump -i bond0.1006 host 224.0.0.18
dropped privs to tcpdump
tcpdump: verbose output suppressed, use -v[v]... for full protocol decode
listening on bond0.1006, link-type EN10MB (Ethernet), snapshot length 262144
bytes
15:29:24.906726 IP openstackctrl-03 > vrrp.mcast.net: VRRPv2, Advertisement,
vrid 51, prio 3, authtype simple, intvl 1s, length 24
15:29:25.906839 IP openstackctrl-03 > vrrp.mcast.net: VRRPv2, Advertisement,
vrid 51, prio 3, authtype simple, intvl 1s, length 24
15:29:26.907203 IP openstackctrl-03 > vrrp.mcast.net: VRRPv2, Advertisement,
vrid 51, prio 3, authtype simple, intvl 1s, length 24
15:29:26.907326 IP 10.8.6.100 > vrrp.mcast.net: VRRPv2, Advertisement, vrid
51, prio 1, authtype simple, intvl 1s, length 24
15:29:27.907617 IP 10.8.6.100 > vrrp.mcast.net: VRRPv2, Advertisement, vrid
51, prio 1, authtype simple, intvl 1s, length 24
15:29:27.907653 IP openstackctrl-03 > vrrp.mcast.net: VRRPv2, Advertisement,
vrid 51, prio 3, authtype simple, intvl 1s, length 24
15:29:28.907970 IP openstackctrl-03 > vrrp.mcast.net: VRRPv2, Advertisement,
```

```
vrid 51, prio 3, authtype simple, intvl 1s, length 24
15:29:28.908015 IP 10.8.6.100 > vrrp.mcast.net: VRRPv2, Advertisement, vrid
51, prio 1, authtype simple, intvl 1s, length 24
15:29:29.908275 IP 10.8.6.100 > vrrp.mcast.net: VRRPv2, Advertisement, vrid
51, prio 1, authtype simple, intvl 1s, length 24
```

```
openstackctrl-03    vrid 51    vrrp    advert
10.8.6.100          vrid 51    advert    .          vrid 51
VIP    advert          가          .
```

- IP Multicast address [\[https://en.wikipedia.org/wiki/Multicast_address#IPv4\]](https://en.wikipedia.org/wiki/Multicast_address#IPv4)
- 224.0.0.18 Virtual Router Redundancy Protocol (VRRP)

```
keepalived.conf    vrid    KeepAlived    restart
```

```
'virtual_router_id 21'
```

```
Openstack    kolla-ansible    globals.yml
keepalived_virtual_router_id    .
```

```
keepalived_virtual_router_id: "51"
```

```
VRID    0..255    .
```

- <https://hyuns1.tistory.com/entry/KeepAlived-VRID-mismatch-Dropping-received-VRRP-packet>

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