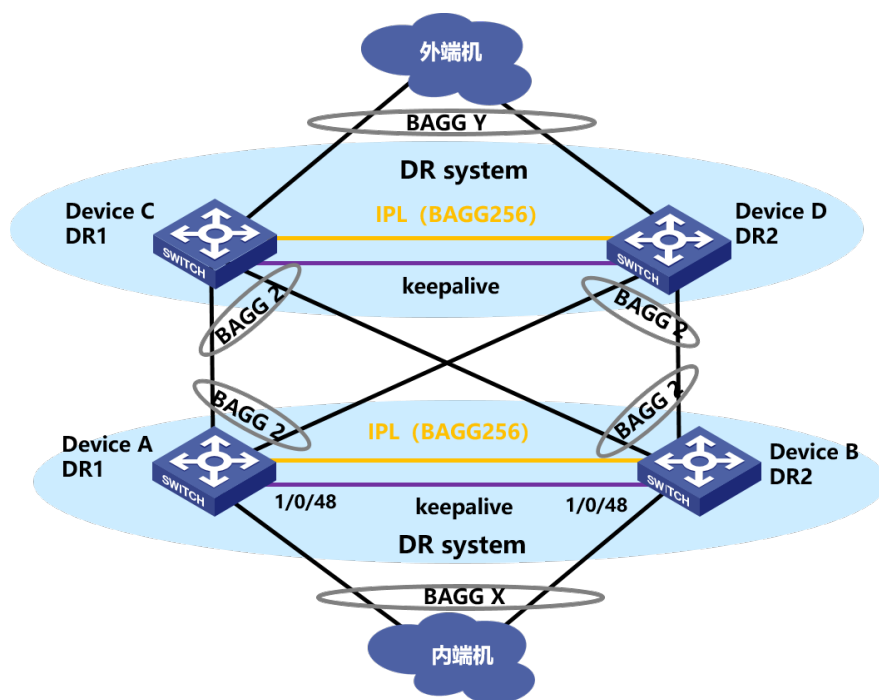




告警信息

display drni summary显示DR接口本地状态为Aggregate interface down，keepalive链路状态正常。

问题描述

省略内外端机配置，现场配置如下，查看drni状态发现DR接口状态异常。

```
[NM134-A08-MG-A-2.Z3Y.X5560]dis drni summary
Flags: A -- Aggregate interface down, B -- No peer DR interface configured
       C -- Configuration consistency check failed

:PP: BAGG256
:PP state (cause): UP
:keepalive link state (cause): UP

DR interface information
+-----+-----+-----+-----+-----+-----+
|R|Interface|DR group|Local state (cause)|Peer state|Remaining down time(s)|
+-----+-----+-----+-----+-----+-----+
|A|AGG2     |2       |DOWN (A)           |UP        |-                      |
+-----+-----+-----+-----+-----+-----+
[NM134-A08-MG-A-2.Z3Y.X5560]
[NM134-A08-MG-A-2.Z3Y.X5560]
[NM134-A08-MG-A-2.Z3Y.X5560]
[NM134-A08-MG-A-2.Z3Y.X5560]
```

Device A配置:

```
#
interface Bridge-Aggregation2
 port link-type trunk
 port trunk permit vlan all
 link-aggregation mode dynamic
 port drni group 2
#
interface Bridge-Aggregation256
 port link-type trunk
 port trunk permit vlan all
 link-aggregation mode dynamic
 port drni intra-portal-port 1
#
#
interface GigabitEthernet1/0/48
 port link-mode route
 ip binding vpn-instance keepalive
 ip address 192.168.0.1 255.255.255.252
#
#
interface Ten-GigabitEthernet1/0/49
 port link-mode bridge
 port link-type trunk
 port trunk permit vlan all
 port link-aggregation group 256
#
interface Ten-GigabitEthernet1/0/50
 port link-mode bridge
 port link-type trunk
 port trunk permit vlan all
 port link-aggregation group 256
#
interface Ten-GigabitEthernet1/0/51
 port link-mode bridge
 port link-type trunk
 port trunk permit vlan all
 speed 10000
 port link-aggregation group 2
#
drni system-mac 0001-0001-0001
drni system-number 1
drni system-priority 10
drni keepalive ip destination 192.168.0.2 source 192.168.0.1 vpn-instance keepalive
drni mad exclude interface GigabitEthernet1/0/48
#
```

Device B配置:

```
#
interface Bridge-Aggregation2
 port link-type trunk
```

```
port trunk permit vlan all
```

```
link-aggregation mode dynamic
```

```
port drni group 2
```

单独看每个DRNI系统配置感觉是没有异常的，虽然DR系统中相互配对的DR接口的系统MAC地址必须相同，但是由于有做DRNI级联，若不同DR系统的系统MAC存在冲突则会影响DR接口状态。

建议用户将系统MAC地址配置为其中一台DR设备的桥MAC地址。

```
port link-type trunk
```

```
port trunk permit vlan all
```

```
link-aggregation mode dynamic
```

```
port drni intra-portal-port 1
```

```
#
```

```
#
```

```
interface GigabitEthernet1/0/48
```

```
port link-mode route
```

```
ip binding vpn-instance keepalive
```

```
ip address 192.168.0.2 255.255.255.252
```

```
#
```

```
interface Ten-GigabitEthernet1/0/49
```

```
port link-mode bridge
```

```
port link-type trunk
```

```
port trunk permit vlan all
```

```
port link-aggregation group 256
```

```
#
```

```
interface Ten-GigabitEthernet1/0/50
```

```
port link-mode bridge
```

```
port link-type trunk
```

```
port trunk permit vlan all
```

```
port link-aggregation group 256
```

```
#
```

```
interface Ten-GigabitEthernet1/0/51
```

```
port link-mode bridge
```

```
port link-type trunk
```

```
port trunk permit vlan all
```

```
speed 10000
```

```
port link-aggregation group 2
```

```
#
```

```
drni system-mac 0001-0001-0001
```

```
drni system-number 2
```

```
drni system-priority 10
```

```
drni keepalive ip destination 192.168.0.1 source 192.168.0.2 vpn-instance keepalive
```

```
drni mad exclude interface GigabitEthernet1/0/48
```

```
#
```

Device C配置:

```
#
```

```
interface Bridge-Aggregation2
```

```
port link-type trunk
```

```
port trunk permit vlan all
```

```
link-aggregation mode dynamic
```

```
port drni group 2
```

```
#
```

```
interface Bridge-Aggregation256
```

```
port link-type trunk
```

```
port trunk permit vlan all
```

```
link-aggregation mode dynamic
```

```
port drni intra-portal-port 1
```

```
undo mac-address static source-check enable
```

```
#
```

```
#
```

```
interface HundredGigE1/0/25
```

```
port link-mode bridge
```

```
port link-type trunk
```

```
port trunk permit vlan all
```

```
port link-aggregation group 256
```

解决方法

interface HundredGigE1/0/26
多级DPNI（M-LAG）互联注意DR系统MAC不能存在冲突，**建议用户将系统MAC地址配置为其中一台DR设备的桥MAC地址。**

```
port link-mode bridge
port link-type trunk
port trunk permit vlan all
port link-aggregation group 256
#
#
interface Twenty-FiveGigE1/0/56
port link-mode route
duplex full
speed 10000
ip binding vpn-instance keepalive
ip address 192.168.0.1 255.255.255.252
#
#
interface Twenty-FiveGigE1/0/55
port link-mode bridge
port link-type trunk
port trunk permit vlan all
speed 10000
duplex full
port link-aggregation group 2
#
#
drni system-mac 0001-0001-0001
drni system-number 1
drni system-priority 10
drni keepalive ip destination 192.168.0.2 source 192.168.0.1 vpn-instance keepalive
drni mad exclude interface Twenty-FiveGigE1/0/56
#
```

Device D配置:

```
#
interface Bridge-Aggregation2
port link-type trunk
port trunk permit vlan all
link-aggregation mode dynamic
port drni group 2
#
interface Bridge-Aggregation256
port link-type trunk
port trunk permit vlan all
link-aggregation mode dynamic
port drni intra-portal-port 1
undo mac-address static source-check enable
#
#
interface HundredGigE1/0/25
port link-mode bridge
port link-type trunk
port trunk permit vlan all
port link-aggregation group 256
#
interface HundredGigE1/0/26
port link-mode bridge
port link-type trunk
port trunk permit vlan all
port link-aggregation group 256
#
interface Twenty-FiveGigE1/0/55
port link-mode bridge
port link-type trunk
port trunk permit vlan all
```

speed 10000