

# After S10508V5 is stacked, some member ports are not selected for cross-frame and cross-frame dynamic link aggregation.

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## Network Topology

Dynamic Link Aggregation and Docking Based on IRF Two Devices

## Problem Description

On-site dynamic link aggregation ports have four member ports. Only one member port is selected, and the other member ports are unselected.

Aggregate Interface: Bridge-Aggregation1

Aggregation Mode: Dynamic

Loadsharing Type: Shar

Management VLANs: None

System ID: 0x8000, 9429-2f4c-80b5

Local:

Port	Status	Priority	Index	Oper-Key	Flag
GE1/0/1	S	32768	1	1	{ACDEF}
GE1/0/2	U	32768	2	1	{ACG}
GE2/0/1	U	32768	3	1	{ACG}
GE2/0/2	U	32768	4	1	{ACG}

Aggregation Interface: Bridge-Aggregation23

Aggregation Mode: Dynamic

Loadsharing Type: Shar

System ID: 0x8000, 70f9-6dea-7745

Local:

Port	Status	Priority	Oper-Key	Flag
GE2/7/0/24	U	32768	7	{AG}
GE2/2/0/24	U	32768	7	{A}
GE1/2/0/23	S	32768	7	{ACDEF}
GE1/7/0/23	U	32768	7	{ACG}

## Process Analysis

The configuration of the S5560 is as follows:

```
interface GigabitEthernet1/0/1
port link-mode bridge
port link-type trunk
undo port trunk permit vlan 1
port trunk permit vlan 2000 2002 3005
port link-aggregation group 1
```

```
interface GigabitEthernet1/0/2
port link-mode bridge
port link-type trunk
undo port trunk permit vlan 1
port trunk permit vlan 2000 2002 3005
port link-aggregation group 1
```

```
interface GigabitEthernet2/0/1
port link-mode bridge
port link-type trunk
undo port trunk permit vlan 1
port trunk permit vlan 2000 2002 3005
port link-aggregation group 1
interface GigabitEthernet2/0/2
port link-mode bridge
port link-type trunk
```

```
undo port trunk permit vlan 1
port trunk permit vlan 2000 2002 3005
port link-aggregation group 1
```

Interface attribute class and protocol class configuration are the same, no problem

View the interface situation:

```
GigabitEthernet1/0/1
```

Current state: UP

Line protocol state: UP

```
GigabitEthernet1/0/2
```

Current state: UP

Line protocol state: DOWN(LAGG)

```
GigabitEthernet2/0/1
```

Current state: DOWN

Line protocol state: DOWN(LAGG)

```
GigabitEthernet2/0/2
```

Current state: DOWN

Line protocol state: DOWN(LAGG)

The unselected ports are down by the aggregation protocol, and there is a problem with the peer aggregation.

S10508 supports cross-frame and cross-device aggregation

The S10508 configuration is as follows:

```
interface GigabitEthernet1/2/0/23
```

```
port link-mode bridge
```

```
port link-type trunk
```

```
undo port trunk permit vlan 1
```

```
port trunk permit vlan 2000 2002 3005
```

```
mirroring-group 1 mirroring-port both
```

```
port link-aggregation group 23
```

```
interface GigabitEthernet1/7/0/23
```

```
port link-mode bridge
```

```
port link-type trunk
```

```
port trunk permit vlan 1 2000 2002
```

```
mirroring-group 1 mirroring-port both
```

```
port link-aggregation group 23
```

```
interface GigabitEthernet2/2/0/24
```

```
port link-mode bridge
```

```
port link-type trunk
```

```
port trunk permit vlan 1 2000 2002 3005
```

```
port link-aggregation group 23
```

```
interface GigabitEthernet2/7/0/24
```

```
port link-mode bridge
```

```
port link-type trunk
```

```
port trunk permit vlan 1 2000 2002 3005
```

```
port link-aggregation group 23
```

First, check the configuration of the aggregate interface and its member ports on the S5560 device. No abnormal conditions are found. When viewing the interface status, it is found that the unselected member interface is down by the aggregation protocol. This may be the unselected member corresponding to the peer. The port is abnormal, the interface negotiation at both ends is abnormal, and the local interface is brought down by the aggregation protocol.

Check the configuration of the S10508 device. It is found that the configuration of the unselected member port is inconsistent with the reference port, and the aggregation member port that is inconsistent with the configuration of the reference port attribute class cannot be the selected port.

## Solution

1. The 10508 device is V5. It is recommended to aggregate member port default and then rejoin the aggregation group. Configure the attribute class under the aggregate interface to ensure that the attribute class configuration of each member port is completely consistent
2. The attribute class configuration on the aggregate interface is automatically synchronized to the member port. The port configuration will be retained after the member port is removed

ed from the aggregation group.

3. It is not recommended to add mirror reflection ports to the aggregation group.

It is recommended to pay attention to the following points when configuring the aggregate interface:

1. Some devices do not support cross-frame cross-device aggregation
2. The configuration of the operation key and attribute class is inconsistent with the reference port
3. Member port status is down
4. The peer port operation key and attribute class configuration are inconsistent with the reference port Number of candidate ports exceeded
5. V5 device port configuration sequence