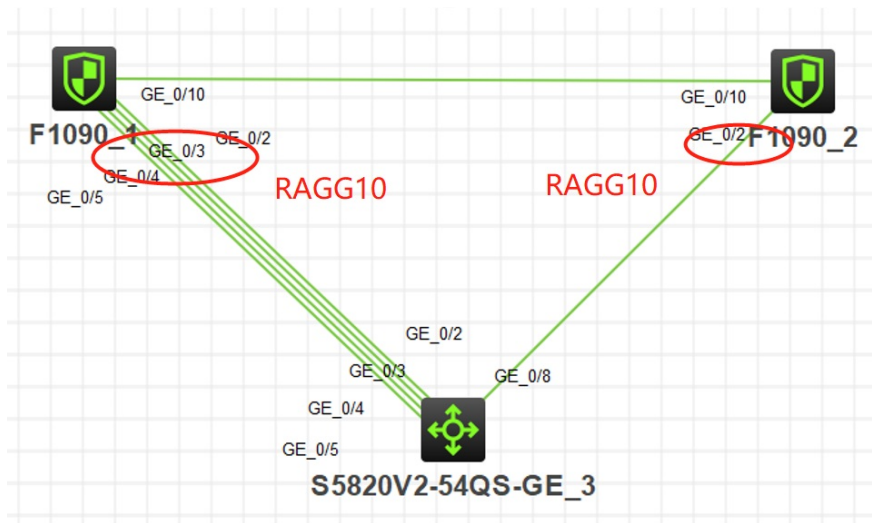


知 rbm联动track场景（聚合成员口一半down了才主备切换）

Track 彭钦 2022-04-17 发表

组网及说明

如何实现rbm联动track场景下，聚合成员口一半down了才主备切换



告警信息

无

问题描述

无

过程分析

F1090_1的1/0/2 1/0/3 1/0/4 1/0/5为RAGG10的成员口，F1090_2的1/0/2我RAGG10的成员口
interface Route-Aggregation10
ip address 10.9.9.9 255.255.255.0
link-aggregation selected-port minimum 3 ///设置最小选择数为3

track 1 interface Route-Aggregation10
remote-backup group
data-channel interface GigabitEthernet1/0/10
track 1
local-ip 1.1.1.1
remote-ip 1.1.1.2
device-role primary

RBM_P<H3C>display remote-backup-group status
Remote backup group information:
Backup mode: Active/standby
Device management role: Primary
Device running status: Active
Data channel interface: GigabitEthernet1/0/10
Local IP: 1.1.1.1
Remote IP: 1.1.1.2 Destination port: 60064
Control channel status: Connected
Keepalive interval: 1s
Keepalive count: 10
Configuration consistency check interval: 24 hour
Configuration consistency check result: Not Performed
Configuration backup status: Auto sync enabled
Session backup status: Hot backup enabled
Delay-time: 0 min
Uptime since last switchover: 0 days, 0 hours, 3 minutes
Switchover records:
Time Status change Cause
2022-04-16 22:48:12 Active to Active Keepalive link established
2022-04-16 22:48:00 Initial to Active Local device rebooted
2022-04-15 13:36:02 Active to Standby Track entries changed
2022-04-15 13:27:01 Active to Active Keepalive link established
2022-04-15 13:25:19 Initial to Active HA Configuration changed

RBM_P<H3C>display link-aggregation verbose Route-Aggregation 10
Loadsharing Type: Shar -- Loadsharing, NonS -- Non-Loadsharing
Port Status: S -- Selected, U -- Unselected, I -- Individual
Port: A -- Auto port
Flags: A -- LACP_Activity, B -- LACP_Timeout, C -- Aggregation,
D -- Synchronization, E -- Collecting, F -- Distributing,
G -- Defaulted, H -- Expired

Aggregate Interface: Route-Aggregation10
Aggregation Mode: Static
Loadsharing Type: Shar

Port	Status	Priority	Oper-Key

GE1/0/2	S	32768	1
GE1/0/3	S	32768	1
GE1/0/4	S	32768	1
GE1/0/5	S	32768	1

RBM_P[H3C-GigabitEthernet1/0/2]shutdown

RBM_P[H3C-GigabitEthernet1/0/2]%Apr 16 22:54:02:657 2022 H3C IFNET/3/PHY_UPDOWN: -Context=1; Physical state on the interface GigabitEthernet1/0/2 changed to down.

%Apr 16 22:54:02:657 2022 H3C IFNET/5/LINK_UPDOWN: -Context=1; Line protocol state on the interface GigabitEthernet1/0/2 changed to down.

解决方法
 %Apr 16 22:54:02:657 2022 H3C LAGG/6/LAGG_INACTIVE_PHYSTATE: -Context=1; Member port GE1/0/2 of aggregation group RAGG10 changed to the inactive state, because the physical state of the port is down.
 聚合口下设置最小选中数
 interface Route-Aggregation10
 ip address 10.9.9.9 255.255.255.0
 RBM_P[H3C-GigabitEthernet1/0/4]shutdown
 link-aggregation selected-port minimum 3 //设置最小选择数为3

%Apr 16 22:54:17:586 2022 H3C IFNET/3/PHY_UPDOWN: -Context=1; Physical state on the interface GigabitEthernet1/0/4 changed to down.

%Apr 16 22:54:17:586 2022 H3C IFNET/5/LINK_UPDOWN: -Context=1; Line protocol state on the interface GigabitEthernet1/0/4 changed to down.

%Apr 16 22:54:17:586 2022 H3C LAGG/6/LAGG_INACTIVE_LOWER_LIMIT: -Context=1; Member port GE1/0/3 of aggregation group RAGG10 changed to the inactive state, because the number of active ports is below the lower limit.

%Apr 16 22:54:17:586 2022 H3C LAGG/6/LAGG_INACTIVE_PHYSTATE: -Context=1; Member port GE1/0/4 of aggregation group RAGG10 changed to the inactive state, because the physical state of the port is down.

%Apr 16 22:54:17:586 2022 H3C LAGG/6/LAGG_INACTIVE_LOWER_LIMIT: -Context=1; Member port GE1/0/5 of aggregation group RAGG10 changed to the inactive state, because the number of active ports is below the lower limit.

%Apr 16 22:54:17:587 2022 H3C IFNET/5/LINK_UPDOWN: -Context=1; Line protocol state on the interface GigabitEthernet1/0/3 changed to down.

%Apr 16 22:54:17:587 2022 H3C IFNET/5/LINK_UPDOWN: -Context=1; Line protocol state on the interface GigabitEthernet1/0/5 changed to down.

%Apr 16 22:54:17:587 2022 H3C IFNET/3/PHY_UPDOWN: -Context=1; Physical state on the interface Route-Aggregation10 changed to down.

%Apr 16 22:54:17:587 2022 H3C IFNET/5/LINK_UPDOWN: -Context=1; Line protocol state on the interface Route-Aggregation10 changed to down.

RBM_P[H3C]dis remote-backup-group status

Remote backup group information:

Backup mode: Active/standby

Device management role: Primary

Device running status: Standby

Data channel interface: GigabitEthernet1/0/10

Local IP: 1.1.1.1

Remote IP: 1.1.1.2 Destination port: 60064

Control channel status: Connected

Keepalive interval: 1s

Keepalive count: 10

Configuration consistency check interval: 24 hour

Configuration consistency check result: Not Performed

Configuration backup status: Auto sync enabled

Session backup status: Hot backup enabled

Delay-time: 0 min

Uptime since last switchover: 0 days, 0 hours, 0 minutes

Switchover records:

Time	Status change	Cause
2022-04-16 22:54:17	Active to Standby	Track entries changed
2022-04-16 22:48:12	Active to Active	Keepalive link established
2022-04-16 22:48:00	Initial to Active	Local device rebooted
2022-04-15 13:36:02	Active to Standby	Track entries changed
2022-04-15 13:27:01	Active to Active	Keepalive link established
2022-04-15 13:25:19	Initial to Active	HA Configuration changed

RBM_P[H3C]dis link-aggregation verbose Route-Aggregation 10

Loadsharing Type: Shar -- Loadsharing, NonS -- Non-Loadsharing

Port Status: S -- Selected, U -- Unselected, I -- Individual

Port: A -- Auto port

Flags: A -- LACP_Activity, B -- LACP_Timeout, C -- Aggregation,
 D -- Synchronization, E -- Collecting, F -- Distributing,
 G -- Defaulted, H -- Expired

Aggregate Interface: Route-Aggregation10

Aggregation Mode: Static

Loadsharing Type: Shar

Port	Status	Priority	Oper-Key
