

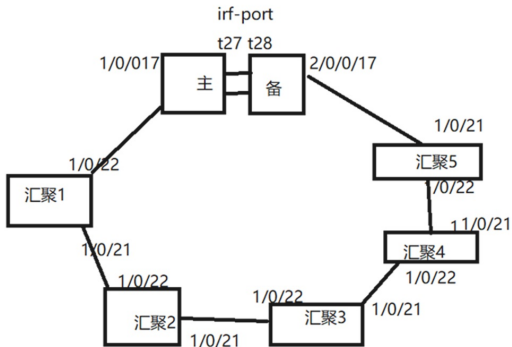
RRPP单环配置完成之后存在mac漂移

RRPP

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组网及说明



问题描述

配置RRPP单环，配置完成，发现存在大量的MAC漂移：

过程分析

通过连续两次收集display mac-address mac-move，发现有漂移明显增长

<GK-Center-7003X>display mac-address mac-move

MAC address	VLAN	Current port	Source port	Last time	Times
100 XGE1/0/0/17	XGE2/0/0/17	2023-11-27 13:20:32	352		
100 XGE1/0/0/17	XGE2/0/0/17	2023-11-27 13:19:33	385		
100 XGE1/0/0/17	XGE2/0/0/17	2023-11-27 13:19:56	354		
100 XGE1/0/0/17	XGE2/0/0/17	2023-11-27 13:19:56	421		
100 XGE1/0/0/17	XGE2/0/0/17	2023-11-27 13:20:30	419		
100 XGE2/0/0/17	XGE1/0/0/17	2023-11-27 13:19:57	351		
100 XGE2/0/0/17	XGE1/0/0/17	2023-11-27 13:19:32	384		
100 XGE2/0/0/17	XGE1/0/0/17	2023-11-27 13:19:55	353		
100 XGE2/0/0/17	XGE1/0/0/17	2023-11-27 13:19:55	420		
100 XGE2/0/0/17	XGE1/0/0/17	2023-11-27 13:19:56	418		

<GK-Center-7003X>display mac-address mac-move

MAC address	VLAN	Current port	Source port	Last time	Times
100 XGE1/0/0/17	XGE2/0/0/17	2023-11-27 14:49:36	369		
100 XGE1/0/0/17	XGE2/0/0/17	2023-11-27 14:49:36	419		
100 XGE1/0/0/17	XGE2/0/0/17	2023-11-27 14:49:35	371		
100 XGE1/0/0/17	XGE2/0/0/17	2023-11-27 14:49:35	438		
100 XGE1/0/0/17	XGE2/0/0/17	2023-11-27 14:49:35	436		
100 XGE2/0/0/17	XGE1/0/0/17	2023-11-27 14:49:36	368		
100 XGE2/0/0/17	XGE1/0/0/17	2023-11-27 14:49:37	419		
100 XGE2/0/0/17	XGE1/0/0/17	2023-11-27 14:49:36	370		
100 XGE2/0/0/17	XGE1/0/0/17	2023-11-27 14:49:36	437		
100 XGE2/0/0/17	XGE1/0/0/17	2023-11-27 14:49:36	436		

检查RRPP状态正常：

<GK-Center-7003X>dis rrpp verbose domain 1

Domain ID : 1

Control VLAN : Primary 4092, Secondary 4093

Protected VLAN: Reference instance 1

Hello timer : 1 sec, Fail timer: 3 sec

Linkup-Delay timer: 0 sec

Ring ID : 1

Ring level : 0

Node mode : Master

Ring state : Complete

Enable status : Yes, Active status: Yes

Primary port : XGE1/0/0/17 Port status: UP
Secondary port: XGE2/0/0/17 Port status: BLOCKED

检查对应的配置，发现异常项

#

stp region-configuration

instance 1 vlan 1 to 30

active region-configuration

#

interface Ten-GigabitEthernet1/0/0/17

port link-mode bridge

port link-type trunk

port trunk permit vlan 1 to 45 100 //环上面相关接口允许通过的vlan，只能是1 to 30，其他的非instance中的vlan不要允许。

link-delay down 0

link-delay up 0

undo stp enable

#

interface Ten-GigabitEthernet2/0/0/17

port link-mode bridge

port link-type trunk

port trunk permit vlan 1 to 45 100 //同上

shutdown

link-delay down 0

link-delay up 0

undo stp enable

#

规范配置之后，问题已解决

解决方法

环上面相关接口允许通过的vlan，只能是instance里面的，其他的非instance中的vlan不要允许