

知 某局点 S7506X配置本地镜像后CPU高问题

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组网及说明

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问题描述

设备型号和版本: S7506X R7634P10

故障现象/问题描述:

交换机Chassis 1 Slot 0的cpu高,取消本地镜像1后正常,重新配置又会高:

[ZJHZ-PC-WIFI-SW003-7506x-ATZXZTYC_T1_114-probe]dis cpu-usage

Chassis 1 Slot 0 CPU 0 CPU usage:

54% in last 5 seconds

53% in last 1 minute

49% in last 5 minutes

Chassis 1 Slot 2 CPU 0 CPU usage:

9% in last 5 seconds

8% in last 1 minute

8% in last 5 minutes

Chassis 1 Slot 3 CPU 0 CPU usage:

2% in last 5 seconds

2% in last 1 minute

2% in last 5 minutes

Chassis 1 Slot 4 CPU 0 CPU usage:

1% in last 5 seconds

1% in last 1 minute

1% in last 5 minutes

Chassis 2 Slot 0 CPU 0 CPU usage:

12% in last 5 seconds

13% in last 1 minute

高的进程是:

608 39.5% 36.5% 32.2% [bRX1]

打印发现都是如下业务报文,应该是镜像的报文上cpu了:

```
Source          Destination     Protocol  Leng  Info
.000000 39.136.156.59 172.16.180.13 TCP      64 443 -> 55140 [ACK] Seq=1 Ack=1 Win=5 Len=6
.000001 17.57.145.136 172.16.185.158 TCP      64 5223 -> 63633 [PSH, ACK] Seq=3849945671 Ack=330651286
.000002 183.249.81.177 172.16.181.14 SSL      64 Continuation Data
.000003 183.249.81.177 172.16.181.14 TCP      64 [TCP Retransmission] 443 -> 49709 [ACK] Seq=1 Ack=1 W
.000004 183.249.81.177 172.16.181.14 TCP      64 [TCP Retransmission] 443 -> 49709 [ACK] Seq=1 Ack=1 W
.000005 223.95.222.199 172.16.179.160 TCP      64 49155 -> 56740 [PSH, ACK] Seq=1 Ack=1 Win=501 Len=6
.000006 120.232.20.21 172.16.177.125 TCP      64 443 -> 7463 [FIN, ACK] Seq=1 Ack=1 Win=115 Len=0
.000007 120.232.20.21 172.16.177.125 TCP      64 [TCP Out-Of-Order] 443 -> 7463 [FIN, ACK] Seq=1 Ack=1
.000008 117.149.200.232 172.16.179.173 SSL      64 Continuation Data
.000009 117.149.200.232 172.16.179.173 TCP      64 [TCP Retransmission] 443 -> 46848 [ACK] Seq=1 Ack=1 W

.2 bits), 64 bytes captured (512 bits)
I: c3:d7 (74:25:8a:e3:c3:d7), Dst: 74:97:79:20:c8:71 (74:97:79:20:c8:71)
FI: 0, ID: 2516
Src: 183.249.81.177, Dst: 172.16.181.14

20 bytes
Id: 0x04 (DSCP: Unknown, ECN: Not-ECT)

3)
)

lination disabled]

]
, Src Port: 443 (443), Dst Port: 49709 (49709), Seq: 1, Ack: 1, Len: 6
```

====debug rxtx softcar show chassis 1 slot 0====

ID	Type	RcvPps	Rcv_All	DisPkt_All	Pps	Dyn	Swi	Hash	ACLmax
0	ROOT	1845	661429868	50356997	1000	S	On	SMAC	0
1	ISIS	0	0	800	D	On	SMAC	8	
2	ESIS	0	0	100	S	On	SMAC	8	

目前仅有一个镜像组:

[ZJHZ-PC-WIFI-SW003-7506x-ATZXZTYC_T1_114]dis mirroring-group all

Mirroring group 1:

Type: Local

Status: Active

Mirroring port:

Ten-GigabitEthernet1/0/0/25 Inbound

Ten-GigabitEthernet1/0/0/26 Inbound

Monitor port: Bridge-Aggregation8

过程分析

本地以复现，目前看是芯片上的限制,当目的端口是聚合口,同时聚合口端口down时,报文备误匹配上送cpu.

解决方法

- 1.删除镜像配置,或者保持聚合目的端口up规避.
- 2.后续发布版本解决.

