

知 某局点S6800堆叠设备部分网段终端无法正常访问交换机

ARP 转发不通 刘倩 2023-09-05 发表

组网及说明

组网不涉及

告警信息

告警信息不涉及

问题描述

两台S6800部署堆叠做网关，故障发生时下挂部分网段终端无法访问网关地址
通过流统确认不通的网段都是从slot1发过来的

设备debug icmp报文无回显

```
[BJ-GH-0201-H22-H6800-A-INT-D01-21.113-FortyGigE2/0/51]dis qos policy interface inbound
```

```
Interface: FortyGigE1/0/51
```

```
Direction: Inbound
```

```
Policy: test
```

```
Classifier: test
```

```
Operator: AND
```

```
Rule(s) :
```

```
If-match acl 3334
```

```
Behavior: test
```

```
Accounting enable:
```

```
133 (Packets)
```

```
<BJ-GH-0201-H22-H6800-A-INT-D01-21.113>debugging ip packet acl 3334
```

```
<BJ-GH-0201-H22-H6800-A-INT-D01-21.113>t m
```

```
The current terminal is enabled to display logs.
```

```
<BJ-GH-0201-H22-H6800-A-INT-D01-21.113>t d
```

```
The current terminal is enabled to display debugging logs.
```

流通有计数增长，但是debug无回显

当流量通过slot2上送设备正常回包。

```
Interface: FortyGigE2/0/49
```

```
Direction: Inbound
```

```
Policy: test
```

```
Classifier: test
```

```
Operator: AND
```

```
Rule(s) :
```

```
If-match acl 3334
```

```
Behavior: test
```

```
Accounting enable:
```

```
4 (Packets)
```

过程分析

I3_defip 出现parity-error R25XX版本有概率出现修复错误，将底层表象清空

转发不通的原因，slot 2 有正常上送CPU的转发表

```
1064 0 10.21.1.xxx/32 00:00:00:00:00:00 100001 0 0 0 32 y
```

Slot 1 没有，原因是slot 1 发生了I3_defip parity-error，老版本修复此表存在一定概率将底层表清空，导致转发异常

Unit 0: L3_DEFIP entry 4102 TCAM parity error

Line 161131: mem: 3851=L3_DEFIP blkoffset:11

Line 161136: RESTORE[from Y pipe]: L3_DEFIP[3851] blk: ipipe0 index: 4102

Line 161146: Unit 0: L3_DEFIP entry 2048 TCAM parity error

Line 161156: mem: 3851=L3_DEFIP blkoffset:11

Line 161161: RESTORE[from Y pipe]: L3_DEFIP[3851] blk: ipipe0 index: 2048

Line 161181: mem: 3851=L3_DEFIP blkoffset:11

Line 161186: RESTORE[from Y pipe]: L3_DEFIP[3851] blk: ipipe0 index: 4309

解决方法

升级到新版本

