

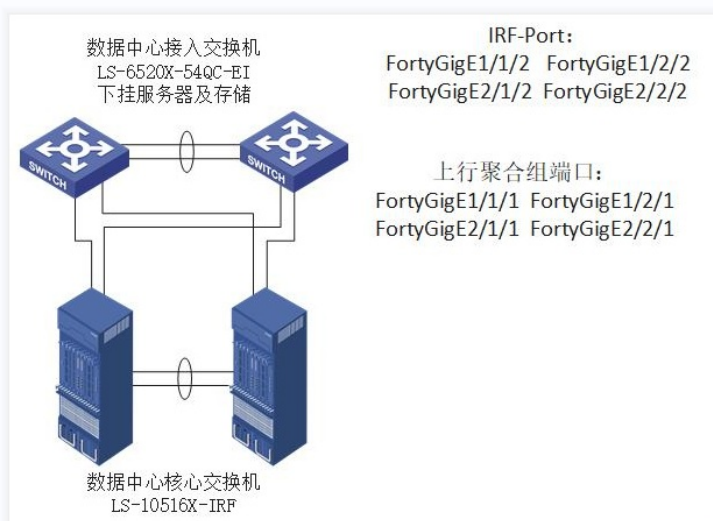
知 某局点 S6520X-54QC-EI 服务器ping irf管理口有延迟

IPv4

赵广旭

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组网及说明



问题描述

从核心交换机ping 服务器ip ping连续的几个服务器ip都正常，ping管理vlan1201的地址 10.126.1.3 第一个包延时正常，后续的包在800-1000ms之间。ssh远程登陆操作明显感觉卡顿。用console口登录irf主机比ssh登录稍好也能感觉到卡顿。备机console口登录操作卡顿比ssh更严重。

过程分析

查看设备cpu和内存正常

查看error信息有提示信息

=====display error packets info=====

-----Error Packets info-----

There is no error packts infomation collected

=====

=====display port traffic info=====

-----Flow changes info-----

port 41:2022/04/20 03:01:39 input **traffic stopped**

port 01:2022/04/20 03:01:39 input traffic started

port 11:2022/04/20 03:01:39 input traffic stopped

port 04:2022/04/20 03:01:42 input traffic stopped

port 11:2022/04/20 03:01:42 input traffic started

port 26:2022/04/20 03:01:43 input traffic stopped

port 54:2022/04/20 03:01:44 input traffic stopped

port 04:2022/04/20 03:01:44 input traffic started

port 26:2022/04/20 03:01:45 input traffic started

port 54:2022/04/20 03:01:46 input traffic started

port 02:2022/04/20 03:01:48 input traffic stopped

port 12:2022/04/20 03:01:48 input traffic stopped

port 54:2022/04/20 03:01:49 input traffic stopped

port 03:2022/04/20 03:01:49 input traffic stopped

port 12:2022/04/20 03:01:49 input traffic started

4、查看logbuffer信息有提示BFD报文丢弃

=====display logbuffer=====

Log buffer: Enabled

Max buffer size: 1024

Actual buffer size: 512

Dropped messages: 0

Overwritten messages: 2766

Current messages: 512

%May 25 13:29:43:413 2013 DC_ITC_6F10H_6520X_IRF DRVPLAT/4/SOFTCAR DROP: -Slot=2;
PktType= BFD_CTRL , srcMAC=703a-a66e-4e71, Drop From Interface=FGE2/0/50 at Stage=27,
StageCnt=5 TotalCnt=36228, Max Rate Interface=FGE2/0/50 !!

%May 25 15:01:53:705 2013 DC_ITC_6F10H_6520X_IRF DRVPLAT/4/SOFTCAR DROP: -Slot=2;
PktType= **BFD_CTRL** , srcMAC=703a-a66e-4e71, Drop From Interface=FGE2/0/50 at Stage=27,
StageCnt=41 TotalCnt=36269, Max Rate Interface=FGE2/0/50 !!

%May 25 16:18:31:425 2013 DC_ITC_6F10H_6520X_IRF DRVPLAT/4/SOFTCAR DROP: -Slot=2;
PktType= BFD_CTRL , srcMAC=703a-a66e-4e71, Drop From Interface=FGE2/0/50 at Stage=27,
StageCnt=4 TotalCnt=36273, Max Rate Interface=FGE2/0/50 !!

%May 25 17:19:27:795 2013 DC_ITC_6F10H_6520X_IRF DRVPLAT/4/SOFTCAR DROP: -Slot=2;
PktType= BFD_CTRL , srcMAC=703a-a66e-4e71, Drop From Interface=FGE2/0/50 at Stage=27,
StageCnt=6 TotalCnt=36279, Max Rate Interface=FGE2/0/50 !!

%May 25 18:36:15:576 2013 DC_ITC_6F10H_6520X_IRF DRVPLAT/4/SOFTCAR DROP: -Slot=2;
PktType= BFD_CTRL , srcMAC=703a-a66e-4e71, Drop From Interface=FGE2/0/50 at Stage=27,
StageCnt=1 TotalCnt=36280, Max Rate Interface=FGE2/0/50 !!

%May 25 20:39:22:941 2013 DC_ITC_6F10H_6520X_IRF DRVPLAT/4/SOFTCAR DROP: -Slot=2;
PktType= BFD_CTRL , srcMAC=703a-a66e-4e71, Drop From Interface=FGE2/0/50 at Stage=27,
StageCnt=23 TotalCnt=36303, Max Rate Interface=FGE2/0/50 !!

经过远程处理，把不up的口，都shutdown掉，之后便没有卡顿了。发现现场1/0/37以及2/0/37有收发光但不up,经确认为下列已知问题：

1. 202012140684

- 问题现象：命令行操作有卡顿，ping有延时。
- 问题产生条件：交换机侧光口有收光，但是不满足UP条件的情况下，比如如下任意场景：
 - i 使用光模块与服务器对接，服务器上电未开机，但服务器网卡已处于可工作状态。

；使用光模块与对端光模块对接，因为单纤连接等情况，造成只有对端发光与本端收光的情况。

；光模块错误搭配使用，比如万兆和千兆光模块对接。

解决方法

在Slot2上插如LSWM2SP8P接口扩展卡，接口扩展卡上只插光模块，但是没有接光纤。

目前可以通过down掉1/0/37以及2/0/37口来规避，后续可以升级到R6530P01版本并打上h01补丁

