

知 ONESstor 网络故障提示“p1p2存在网络故障”

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组网及说明

ONESstor: 0323p03

问题描述

ONESstor 页面看见如下告警:

告警信息

警告级别

HEALTH_WARN

详细信息

以下IP [redacted].204/p1p2存在网络故障

确定

该ip是 ONESstor 04的心跳ip, ONESstor 总共4台机器

过程分析

1、登录到ONESstor 04的后台, ipconfig看不到故障告警的p1p2

```
collisions:0 txqueuelen:1
RX bytes:910331420151 (910.3 GB) TX bytes:910331420151 (910.3 GB)

p1p1  Link encap:Ethernet HWaddr 60:0b:03:6f:51:bc
      UP BROADCAST RUNNING SLAVE MULTICAST MTU:1500 Metric:1
      RX packets:21262309334 errors:70 dropped:6 overruns:0 frame:70
      TX packets:134804272478 errors:0 dropped:0 overruns:0 carrier:0
      collisions:0 txqueuelen:1000
      RX bytes:24523886131825 (24.5 TB) TX bytes:169382638002030 (169.3 TB)

p2p1  Link encap:Ethernet HWaddr 60:0b:03:6f:51:bc
      UP BROADCAST RUNNING SLAVE MULTICAST MTU:1500 Metric:1
      RX packets:161509135778 errors:0 dropped:290818 overruns:0 frame:0
      TX packets:78999693631 errors:0 dropped:0 overruns:0 carrier:0
      collisions:0 txqueuelen:1000
      RX bytes:189456210038028 (189.4 TB) TX bytes:98274977746197 (98.2 TB)

p2p2  Link encap:Ethernet HWaddr 60:0b:03:6f:52:42
      UP BROADCAST RUNNING SLAVE MULTICAST MTU:1500 Metric:1
      RX packets:46585884556 errors:0 dropped:9 overruns:0 frame:0
      TX packets:181017670953 errors:0 dropped:0 overruns:0 carrier:0
      collisions:0 txqueuelen:1000
      RX bytes:57107766947486 (57.1 TB) TX bytes:221320069229171 (221.3 TB)
```

2、ip add 看到p1p2的state 是down的

```
root@onesstor04:~# ip add
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: eth0: <BROADCAST,MULTICAST,SLAVE,UP,LOWER_UP> mtu 1500 qdisc mq master bond0 state UP group default qlen 1000
    link/ether 60:0b:03:6f:4d:88 brd ff:ff:ff:ff:ff:ff
3: p1p1: <BROADCAST,MULTICAST,SLAVE,UP,LOWER_UP> mtu 1500 qdisc mq master bond1 state UP group default qlen 1000
    link/ether 60:0b:03:6f:51:bc brd ff:ff:ff:ff:ff:ff
4: eth2: <BROADCAST,MULTICAST,SLAVE,UP,LOWER_UP> mtu 1500 qdisc mq master bond0 state UP group default qlen 1000
    link/ether 60:0b:03:6f:4d:88 brd ff:ff:ff:ff:ff:ff
5: p1p2: <BROADCAST,MULTICAST,SLAVE> mtu 1500 qdisc mq master bond2 state DOWN group default qlen 1000
    link/ether 60:0b:03:6f:52:42 brd ff:ff:ff:ff:ff:ff
6: eth3: <BROADCAST,MULTICAST> mtu 1500 qdisc noop state DOWN group default qlen 1000
    link/ether 60:0b:03:6f:52:42 brd ff:ff:ff:ff:ff:ff
7: eth6: <BROADCAST,MULTICAST> mtu 1500 qdisc noop state DOWN group default qlen 1000
    link/ether 60:0b:03:6f:4d:88 brd ff:ff:ff:ff:ff:ff
8: p2p1: <BROADCAST,MULTICAST,SLAVE,UP,LOWER_UP> mtu 1500 qdisc mq master bond1 state UP group default qlen 1000
    link/ether 60:0b:03:6f:51:bc brd ff:ff:ff:ff:ff:ff
9: p2p2: <BROADCAST,MULTICAST,SLAVE,UP,LOWER_UP> mtu 1500 qdisc mq master bond2 state UP group default qlen 1000
    link/ether 60:0b:03:6f:52:42 brd ff:ff:ff:ff:ff:ff
10: bond0: <BROADCAST,MULTICAST,MASTER,UP,LOWER_UP> mtu 1500 qdisc noqueue state UP group default qlen 1000
    link/ether 60:0b:03:6f:4d:88 brd ff:ff:ff:ff:ff:ff
```

3、查看日志: 链路状态也是down的

```
Jun 17 14:00:00 onesstor04 CRON[2939:01]: (CRON) info (No MTA installed, discarding output)
Jun 17 14:00:47 onesstor04 Keepalived_vrrp[1382]: Ifname=p1p2, MAC = 60:0b:03:6f:52:42
Jun 17 14:00:47 onesstor04 kernel: [3149101.092371] vxgbe 0000:02:00:1: registered PHY device on p1p2
Jun 17 14:00:47 onesstor04 kernel: [3149101.092883] 8021q: adding VLAN 0 to HW filter on device p1p2
Jun 17 14:00:47 onesstor04 kernel: [3149101.153735] vxgbe 0000:02:00:1 p1p2: detected SFP# 0
Jun 17 14:00:47 onesstor04 kernel: [3149101.295101] vxgbe 0000:02:00:1 p1p2: NIC link is up 10 Gbps, Flow Control: RX/TX
Jun 17 14:00:47 onesstor04 kernel: [3149101.335194] bond2: link status definitely up for interface p1p2, 10000 Mbps full duplex
Jun 17 14:00:50 onesstor04 kernel: [3149101.366002] vxgbe 0000:02:00:1 removed PHY on p1p2
Jun 17 14:00:50 onesstor04 kernel: [3149101.741533] bond2: link status definitely down for interface p1p2, disabling it
Jun 17 14:01:01 onesstor04 CRON[294367:6]: (root) CMD (/var/lib/ceph/shell/memserver.py)
Jun 17 14:01:01 onesstor04 CRON[294367:8]: (root) CMD (/var/lib/ceph/shell/process_detect.sh)
Jun 17 14:01:01 onesstor04 CRON[294367:9]: (root) CMD (bash /etc/cst/process_detect &)
Jun 17 14:01:01 onesstor04 CRON[294368:0]: (root) CMD (/usr/sbin/ceph/shell/ssh_protect.py)
Jun 17 14:01:01 onesstor04 CRON[294368:3]: (root) CMD (sleep 30 && python /usr/sbin/tgt_checker.py && /dev/null >&|)
Jun 17 14:01:01 onesstor04 CRON[294368:1]: (root) CMD (sleep 45 && python /usr/sbin/tgt_checker.py && /dev/null >&|)
Jun 17 14:01:01 onesstor04 CRON[294368:8]: (root) CMD (sleep 15 && python /usr/sbin/tgt_checker.py && /dev/null >&|)
Jun 17 14:01:01 onesstor04 CRON[294370:1]: (root) CMD (sleep python /usr/sbin/tgt_checker.py && /dev/null >&|)
```

4、登录到互联的交换机, 查看接口状态, 发现物理up协议down

```
[STOR_S9810_C14-Bridge-Aggregation28]dis int ten
[STOR_S9810_C14-Bridge-Aggregation28]dis int Ten-GigabitEthernet 1/1/0/22
Ten-GigabitEthernet1/1/0/22
Current state: UP
Line protocol state: DOWN(LAGG)
IP packet frame type: Ethernet II, hardware address: 84d9-31e7-fd39
Description: TO--Onestor04--P1P2
Bandwidth: 10000000 kbps
Loopback is not set
Media type is optical fiber, port hardware type is 10G_BASE_SR_SFP
Ethernet port mode: LAN
10Gbps-speed mode, full-duplex mode
Link speed type is autonegotiation, link duplex type is autonegotiation
Flow-control is not enabled
Maximum frame length: 12288
```

5、现场替换了光模块和光纤，手动把网卡起来，聚合，ONESTor告警消失了。

解决方法

替换了光模块和光纤，手动把网卡起来，聚合，ONESTor告警消失了。