# WLB-HID radio cause eth-trunk lacp down

05-04-2018 下午4点

## 现象

WLB整个站点断掉，现场FEKA说设备指示灯都正常。WLB到HID是单线联系，WLB失联导致下面4台OLT都不能上网。

分析

现场FEKA正在施工，两台微波安装在一根抱杆上，两个PDU设置的频段相同，可能互相影响。但是这怎么会影响路由器接口呢？微波通过子接口与路由器接口通讯，路由器上物理接口配置在ETH-TRUNK下面。

* 登录上相连的微波对端路由器AR01.HID.LON，查看是G0/2/23端口与WLB互联，查看错误日志，发现LACP有关，再查LACP的日志：
* [ar01.hid.lon] disp logbuffer | in LACP
* Logging buffer configuration and contents : enabled
* Allowed max buffer size : 1024
* Actual buffer size : 512
* Channel number : 4 , Channel name : logbuffer
* Dropped messages : 0
* Overwritten messages : 886826
* Current messages : 512
* Apr 5 2018 16:35:09.480.2 ar01.hid.lon %%01LACP/3/LAG\_DOWN\_REASON\_EVENT(l)[123]:The member of the LACP mode Eth-Trunk interface went down. (TrunkName=Eth-Trunk2, PortName=GigabitEthernet0/2/23, Reason=PortDown)
* Apr 5 2018 16:25:32.710.2 ar01.hid.lon %%01LACP/3/LAG\_DOWN\_REASON\_EVENT(l)[157]:The member of the LACP mode Eth-Trunk interface went down. (TrunkName=Eth-Trunk2, PortName=GigabitEthernet0/2/23, Reason=PortDown)
* Apr 5 2018 16:22:29.950.6 ar01.hid.lon %%01LACP/3/LAG\_DOWN\_REASON\_EVENT(l)[172]:The member of the LACP mode Eth-Trunk interface went down. (TrunkName=Eth-Trunk2, PortName=GigabitEthernet0/2/23, Reason=PortDown)
* Apr 5 2018 15:34:16.730.3 ar01.hid.lon %%01LACP/3/LAG\_DOWN\_REASON\_PDU(l)[180]:The member of the LACP mode Eth-Trunk interface went down because the local device received changed LACP PDU from partner. (TrunkName=Eth-Trunk2, PortName=GigabitEthernet0/2/23, Reason=PartnerSyncFalse, OldParam=b1Synchronization:1, NewParam=b1Synchronization:0)
* Apr 5 2018 15:24:15.480.2 ar01.hid.lon %%01LACP/3/LAG\_DOWN\_REASON\_EVENT(l)[201]:The member of the LACP mode Eth-Trunk interface went down. (TrunkName=Eth-Trunk2, PortName=GigabitEthernet0/2/23, Reason=RxTimeout)
* Apr 5 2018 15:20:22.480.2 ar01.hid.lon %%01LACP/3/LAG\_DOWN\_REASON\_EVENT(l)[232]:The member of the LACP mode Eth-Trunk interface went down. (TrunkName=Eth-Trunk2, PortName=GigabitEthernet0/2/23, Reason=RxTimeout)
* [ar01.hid.lon]
* 采取如下配置，将端口从ETH-TRUNK里移走，再重新加入，再ETH-TRUNK里面，去掉mode lacp-static的配置。
* sys
* interface GigabitEthernet0/2/23
* undo eth-trunk
* int Eth-Trunk2
* undo mode
* interface GigabitEthernet0/2/23
* eth-trunk2
* return

这时在HID这边的微波设备就恢复了通讯

PING 10.100.1.2 OK

但FEKA在WLB登路由器发现困难，他没有SecureCRT或XSHELL类似软件，只能通过mac终端命令行，用console线连接：

* ~$ ls /dev/tty.\*
* /dev/tty.Bluetooth-Incoming-Port /dev/tty.usbserial-A907FL79
* ~$ screen /dev/tty.usbserial-A907FL79 9600

使用命令 dis int brief

* (l): loopback
* (s): spoofing
* (b): BFD down
* (B): Bit-error-detection down
* (e): ETHOAM down
* (d): Dampening Suppressed
* InUti/OutUti: input utility/output utility
* Interface PHY Protocol InUti OutUti inErrors outErrors
* DCN-Serial0/2/18:0 up up -- -- 0 0
* DCN-Serial0/2/23:0 up up -- -- 0 0
* DCN-Serial0/2/24:0 up up -- -- 0 0
* Eth-Trunk0 up up 0% 0% 0 0
* GigabitEthernet0/2/18 up up 0% 0% 0 0
* GigabitEthernet0/2/22 \*down down 0% 0% 0 0
* Eth-Trunk0.10 up up 0% 0% 0 0
* Eth-Trunk1 \*down down 0% 0% 0 0
* Eth-Trunk1.4094 \*down down 0% 0% 0 0
* Eth-Trunk2 up up 0% 0% 0 0
* GigabitEthernet0/2/16 up up 0% 0% 0 0
* GigabitEthernet0/2/23 up up 0% 0% 0 0
* Eth-Trunk2.4094 up up 0% 0% 0 0
* Ethernet0/0/0 up up 0% 0% 0 0
* GigabitEthernet0/2/0 down down 0% 0% 0 0
* GigabitEthernet0/2/1 down down 0% 0% 0 0
* GigabitEthernet0/2/2 down down 0% 0% 0 0
* GigabitEthernet0/2/3 down down 0% 0% 0 0
* GigabitEthernet0/2/4 down down 0% 0% 0 0
* GigabitEthernet0/2/5 down down 0% 0% 0 0
* GigabitEthernet0/2/6 down down 0% 0% 0 0
* GigabitEthernet0/2/7 down down 0% 0% 0 0
* GigabitEthernet0/2/8 down down 0% 0% 0 0
* GigabitEthernet0/2/9 down down 0% 0% 0 0
* GigabitEthernet0/2/10 down down 0% 0% 0 0
* GigabitEthernet0/2/11 down down 0% 0% 0 0
* GigabitEthernet0/2/12 down down 0% 0% 0 0
* GigabitEthernet0/2/13 down down 0% 0% 0 0
* GigabitEthernet0/2/14 down down 0% 0% 0 0
* GigabitEthernet0/2/15 down down 0% 0% 0 0
* GigabitEthernet0/2/17 up up 0% 0% 0 0
* GigabitEthernet0/2/17.99 up up 0% 0% 0 0
* GigabitEthernet0/2/19 up up 0% 0% 0 0
* GigabitEthernet0/2/19.97 up up 0% 0% 0 0
* GigabitEthernet0/2/20 up up 0% 0% 0 0
* GigabitEthernet0/2/20.98 up up 0% 0% 0 0
* GigabitEthernet0/2/21 \*down down 0% 0% 0 0
* GigabitEthernet0/2/24(10G) up up 0% 0% 0 0
* GigabitEthernet0/2/25(10G) down down 0% 0% 0 0
* GigabitEthernet0/2/25.4094 down down 0% 0% 0 0
* LoopBack0 up up(s) 0% 0% 0 0
* LoopBack1023 up up(s) 0% 0% 0 0
* NULL0 up up(s) 0% 0% 0 0
* Vlanif901 up up -- -- 0 0

[ar01.wlb.lon-GigabitEthernet0/2/23]

发现ETH-TRUNK2下面多了个接口，照上面重做，undo mode lacp-static等

还是不通，再看了下ETH-TRUNK还是DOWN的，检查配置，发现undo mode-static未生效，重新移除后正常。。

另外用web-lct登录微波设备时，由于NE号码不对，死活等不上，后来FEKA告诉正确的NE号码才能登上，但是mute微波总是不成功，自动恢复成unmute，不知道为什么。