


```

### ONCE22-2-01a wlan ap all verbose | include up time
### Up Time(hh:mm:ss) : 7 Days, 09:18:07
### Up Time(hh:mm:ss) : 1 Day, 09:43:19
### Up Time(hh:mm:ss) : 1 Day, 09:33:27
### Up Time(hh:mm:ss) : 03:13:14
### Up Time(hh:mm:ss) : 19 Days, 01:10:24
### Up Time(hh:mm:ss) : 2 Days, 24:48:29
### Up Time(hh:mm:ss) : 1 Day, 23:21:01
### Up Time(hh:mm:ss) : 03:14:18
### Up Time(hh:mm:ss) : 1 Day, 22:07:09
### Up Time(hh:mm:ss) : 02:49:34
### Up Time(hh:mm:ss) : 02:10:02
### Up Time(hh:mm:ss) : 2 Days, 04:38:17
### Up Time(hh:mm:ss) : 1 Day, 01:11:52
### Up Time(hh:mm:ss) : -
### Up Time(hh:mm:ss) : 04:07:11
### Up Time(hh:mm:ss) : 13:04:12
### Up Time(hh:mm:ss) : 01:10:14
### Up Time(hh:mm:ss) : 01:22:13
### Up Time(hh:mm:ss) : 04:22:14
### Up Time(hh:mm:ss) : 04:03:14
### Up Time(hh:mm:ss) : 00:22:12
### Up Time(hh:mm:ss) : 03:52:10
### Up Time(hh:mm:ss) : 13:04:12
### Up Time(hh:mm:ss) : 13:04:12
### Up Time(hh:mm:ss) : 13:04:12
### Up Time(hh:mm:ss) : 00:10:14
### Up Time(hh:mm:ss) : 12:14:12
### Up Time(hh:mm:ss) : 13:04:12
### Up Time(hh:mm:ss) : 13:04:12
### Up Time(hh:mm:ss) : 2 Days, 04:41:39
### Up Time(hh:mm:ss) : 10 Days, 21:10:42
### Up Time(hh:mm:ss) : 10 Days, 21:10:42
### Up Time(hh:mm:ss) : 8 Days, 04:12:42
### Up Time(hh:mm:ss) : 1 Day, 23:14:37

```

3、从AC上telnet到下线AP上通过_ ver查看发现上下线AP上电时间只有不足5个小时，即说明AP在最近出现过断电重启。

```

1 [WA26201-AGN>_ ver
2 H3C Comware Platform Software
3 Comware Software, Version 5.20, Release 1307P01
4 Comware Platform Software Version COMWAREV500R002B96D335
5 H3C WA26201-AGN Software Version V100R003B03D035
6 Copyright (c) 2004-2013 Hangzhou H3C Tech. Co., Ltd. All rights reserved.
7 Compiled Aug 8 2013 14:58:51, RELEASE SOFTWARE
8 H3C WA26201-AGN uptime is 0 week, 0 day, 4 hours, 45 minute.
9
10 CPU type: ATHEROS AR9350
11 128M bytes DDR2 SDRAM Memory
12 32M bytes Flash Memory
13 Pcb Version: Ver.E
14 CPLD Version: 002
15 Basic BootROM Version: 2.08
16 Extend BootROM Version: 2.08
17 [SLOT 1]CON (Hardware)Ver.E, (Driver)1.0, (Cpld)2.0
18 [SLOT 1]GE1/0/1 (Hardware)Ver.E, (Driver)1.0, (Cpld)2.0
19 [SLOT 1]RADIO1/0/1 (Hardware)Ver.E, (Driver)1.0, (Cpld)2.0
20 [SLOT 1]RADIO1/0/2 (Hardware)Ver.E, (Driver)1.0, (Cpld)2.0

```

4、在上下线AP隐藏模式下通过diag boot-info display命令查看AP最近一次重启原因，发现AP重启原因为Watchdog-boot：

```

[aoj@h3c-wa26201-2] 10.10.100.15 1866-ba5c-a190
[aoj@h3c-wa26201-2] 10.10.100.248 1866-ba5b-69e0
[aoj@h3c-wa26201-2] 10.10.101.3 1866-ba5c-a720
[huodongzhongxin2@] -NA-
[huodongzhongxin2@] 10.10.100.44 1866-ba5b-7860
[huodongzhongxin2@] 10.10.100.31 1866-ba5b-6a20

[wa26201-AGN]
[wa26201-AGN] 10.10.100.15
Trying 10.10.100.15 ...
Press CTRL-C to abort
Connected to 10.10.100.15 ...
*****
* Copyright (c) 2004-2013 Hangzhou H3C Tech. Co., Ltd. All rights reserved. *
* Without the owner's prior written consent, *
* no decompiling or reverse-engineering shall be allowed. *
*****
-wa26201-AGN>sys
system view: return to User view with Ctrl+Z.
[wa26201-AGN]_h
How you enter a hidden command view for developer's testing, some commands may
affect operation by wrong use, please carefully use it with our engineer's
direction.
[wa26201-AGN-hidcmd]diag bo
[wa26201-AGN-hidcmd]diag boot-info d
[wa26201-AGN-hidcmd]diag boot-info display
*****
Current Boot Type : watchdog-boot
*****
[wa26201-AGN-hidcmd]

```

同时，在AC上查看多台上下线AP原因，发现AP上下线原因均是由AP重启导致，重启原因也均是Watchdog-boot。

5、收集多台上下线AP诊断信息、主备AC配置信息、AC上AP在线详细信息返回H3C研发分析，最终将问题定位为AC上配置wlan option client-reconnect-trigger 15命令，该命令在AC R2308 P29版本上时候会导致AP硬件工作异常，进而导致AP出现Watchdog-boot重启问题。

wlan option client-reconnect-trigger即主动触发客户端重关联功能，AP设备感知到无线客户端的信号强度低于指定的信号强度时，主动向无线客户端发送解除认证帧 报文，给无线客户端一次重新连接或者漫游的机会。该特性主要针对某些漫游性能较差的终端，如ipad在无线医疗查房系统中的应用，应用时需要保证覆盖无盲区。在一般场景不推荐使用。

四、解决方法：

在主备AC上同时删除wlan option client-reconnect-trigger 15命令即可解决AP频繁上下线问题。通过跟踪观察，删除上述命令后AC上AP并未出现AP掉线问题，AP设备运行状态良好。

```

### ONCE22-2-01a display wlan ap all verbose | include up time
### Up Time(hh:mm:ss) : 10 Days, 05:19:50
### Up Time(hh:mm:ss) : 2 Days, 07:02:57
### Up Time(hh:mm:ss) : 8 Days, 11:25:28
### Up Time(hh:mm:ss) : 2 Days, 05:11:38
### Up Time(hh:mm:ss) : 13 Days, 03:12:17
### Up Time(hh:mm:ss) : 1 Day, 09:15:17
### Up Time(hh:mm:ss) : 2 Days, 08:02:25
### Up Time(hh:mm:ss) : 2 Days, 09:53:03
### Up Time(hh:mm:ss) : 5 Days, 00:06:56
### Up Time(hh:mm:ss) : 3 Days, 05:48:57
### Up Time(hh:mm:ss) : 2 Days, 01:31:32
### Up Time(hh:mm:ss) : 5 Days, 06:59:10
### Up Time(hh:mm:ss) : 3 Days, 05:47:08
### Up Time(hh:mm:ss) : -NA-
### Up Time(hh:mm:ss) : 2 Days, 13:24:12
### Up Time(hh:mm:ss) : 3 Days, 12:47:37
### Up Time(hh:mm:ss) : 3 Days, 08:15:09
### Up Time(hh:mm:ss) : 3 Days, 03:22:08
### Up Time(hh:mm:ss) : 2 Days, 09:46:47
### Up Time(hh:mm:ss) : 3 Days, 06:45:37
### Up Time(hh:mm:ss) : 2 Days, 09:37:53
### Up Time(hh:mm:ss) : 3 Days, 01:51:31
### Up Time(hh:mm:ss) : 3 Days, 12:47:27
### Up Time(hh:mm:ss) : 3 Days, 01:40:09
### Up Time(hh:mm:ss) : 2 Days, 09:31:28
### Up Time(hh:mm:ss) : 3 Days, 12:47:31
### Up Time(hh:mm:ss) : 3 Days, 01:03:45
### Up Time(hh:mm:ss) : 3 Days, 12:47:28
### Up Time(hh:mm:ss) : 3 Days, 12:47:30
### Up Time(hh:mm:ss) : 3 Days, 12:47:29
### Up Time(hh:mm:ss) : 5 Days, 08:41:32

```

