

知 无线WX3520H针对AP组下发定时任务不成功的经验案例

AP管理 设备管理 高子军 2017-05-25 发表

客户现场为WX3520H型号的V7 AC，注册了200多台WTU430的分体；想通过AC的绿色节能功能来实现对无线radio接口实现定时开启和关闭的需求。现场需求如下：

配置定时执行任务功能，每天8：00开启所有AP的Radio 1接口，每天20：00关闭所有AP的Radio 1接口。

现场所有AP均属于缺省的AP组，通过配置定时执行任务功能对缺省AP组所有的AP实现Radio接口定时开启和关闭时发现配置未生效。

无

1. 首先查看AC侧关于定时关闭射频口的相关配置，配置没有问题：

```
scheduler job radio-disable
```

```
command 1 system-view
```

```
command 2 wlan ap-group default-group
```

```
command 3 ap-model WTU430
```

```
command 4 radio 1
```

```
command 5 radio disable
```

```
#
```

```
scheduler schedule stop_radio
```

```
user-role network-admin
```

```
job radio-disable
```

```
time repeating at 20:00
```

2.现场新建一个定时任务，针对单个AP来实现定时关闭Radio 1的功能，通过查看分体射频口状态和Logbuffer的信息发现，定时任务功能是生效的：

配置如下：

```
scheduler job radio-disable
```

```
command 1 system-view
```

```
command 2 wlan ap ap1 model WTU430
```

```
command 3 radio 1
```

```
command 4 radio disable
```

```
#
```

```
scheduler schedule stop_radio
```

```
user-role network-admin
```

```
job radio-disable
```

```
time repeating at 19:32
```

查看和测试结果：

```
[WX3520H]display wlan ap name ap1 verbose
```

```
AP name          : ap1
```

```
State            : Run
```

```
Backup type      : Master
```

```
Online time      : 0 days 2 hours 50 minutes 11 seconds
```

```
System up time   : 0 days 2 hours 50 minutes 14 seconds
```

```
Model            : WTU430
```

```
Region code      : CN
```

```
Radio 1:
```

```
Basic BSSID      : 703d-1523-0330
```

```
Admin state      : Up
```

```
Radio type       : 802.11ac
```

```
[WX3520H]dis clock
```

```
19:31:57 UTC Wed 05/24/2017
```

再次查看：

```
[WX3520H]display wlan ap name ap1 verbose
```

```
AP name          : ap1
```

```
State            : Run
```

```
Backup type      : Master
```

```
Online time      : 0 days 2 hours 50 minutes 27 seconds
```

```
System up time   : 0 days 2 hours 50 minutes 30 seconds
```

```
Model            : WTU430
```

```
Region code      : CN
```

Radio 1:

Basic BSSID : 703d-1523-0330
Admin state : Down
Radio type : 802.11ac

定时任务执行时设备上产生的日志:

%May 24 19:32:09:934 2017 WX3520H SHELL/6/SHELL_CMD: -Line=vty0-IPAddr=192.168.0.11-User=**; Command is dis wlan ap na ap1 v

%May 24 19:32:01:003 2017 WX3520H SHELL/6/SHELL_CMD: -Line=-IPAddr=**-User=**; Command is radio disable

%May 24 19:32:01:986 2017 WX3520H SHELL/6/SHELL_CMD: -Line=-IPAddr=**-User=**; Command is radio 1

%May 24 19:32:01:964 2017 WX3520H SHELL/6/SHELL_CMD: -Line=-IPAddr=**-User=**; Command is wlan ap ap1 model WTU430

%May 24 19:32:01:594 2017 WX3520H SHELL/6/SHELL_CMD: -Line=-IPAddr=**-User=**; Command is system-view

%May 24 19:31:57:549 2017 WX3520H SHELL/6/SHELL_CMD: -Line=vty0-IPAddr=192.168.0.11-User=**; Command is dis clock

3. 现场单独创建一个AP组, 将其中一个AP单独加入该组中进行测试发现, 在设置的时间也会产生相应日志, 并且配置都已经执行成功了, 但是AP组内AP的射频口并未关闭; 产生的日志如下:

%May 24 19:48:02:937 2017 WX3520H SHELL/6/SHELL_CMD: -Line=-IPAddr=**-User=**; Command is radio disable

%May 24 19:48:02:921 2017 WX3520H SHELL/6/SHELL_CMD: -Line=-IPAddr=**-User=**; Command is radio 1

%May 24 19:48:02:899 2017 WX3520H SHELL/6/SHELL_CMD: -Line=-IPAddr=**-User=**; Command is ap-model WTU430

%May 24 19:48:02:882 2017 WX3520H SHELL/6/SHELL_CMD: -Line=-IPAddr=**-User=**; Command is wlan ap-group wt430

%May 24 19:48:02:511 2017 WX3520H SHELL/6/SHELL_CMD: -Line=-IPAddr=**-User=**; Command is system-view

4. 针对单个AP执行定时任务能生效, 设备的定时任务功能是没有问题的; 新建AP组单独测试, 发现配置命令执行成功了, 但是AP的Radio接口还是Up的状态, 怀疑是配置执行后未生效或者是配置问题, 查看AP组和AP的配置发现, AP模板的Radio接口配置了Radio enable:

```
wlan ap ap1 model WTU430
serial-id 219801A0WA916BQ23XXX
vlan 1
radio 1
radio enable
service-template tiger vlan 2
radio 2
#
wlan ap-group wt430
ap ap1
vlan 1
ap-model WTU430
radio 1
radio 2
```

由于配置生效的顺序是有优先级的, Radio视图下配置的优先级高于AP组Radio视图下的配置, 所以在通过AP组执行Radio disable时是不会生效的。

将AP模板下Radio接口下的Radio enable改为在AP组的Radio接口配置, 重新测试后生效。

1. 在对AP组进行配置时, 要注意一些命令配置优先级的问题, 例如:

radio enable命令用来开启射频功能。

【缺省情况】

Radio视图下, 继承AP组配置。

AP组Radio视图下, 射频处于关闭状态。

【使用指导】

Radio视图下配置的优先级高于AP组Radio视图下的配置。

2. 在配置定时任务功能时, 如果定时任务不生效, 可以通过display logbuffer查看下命令执行过程中是否有报错; 例如如下的配置:

```
scheduler job radio-disable
command 1 system-view
command 2 wlan ap-group wt430
command 3 ap-model WTU430
```

command 4 radio 1 radio 3 //错误命令

command 5 radio disable

#

scheduler schedule stop_radio

user-role network-admin

job radio-disable

time repeating at 20:33

日志报错信息:

%May 24 20:33:03:974 2017 WX3520H SHELL/6/SHELL_CMD: -Line=vty0-IPAddr=192.168.0.11-User=**; Command is dis clo

%May 24 20:33:03:920 2017 WX3520H SHELL/4/SHELL_CMD_MATCHFAIL: -User=**-IPAddr=**;
Command radio disable in view wlan-ap-group-wtu430-ap-model-WTU430 failed to be matched.

%May 24 20:33:03:915 2017 WX3520H SHELL/4/SHELL_CMD_MATCHFAIL: -User=**-IPAddr=**;
Command radio 1 radio 3 in view wlan-ap-group-wtu430-ap-model-WTU430 failed to be matched.

%May 24 20:33:03:907 2017 WX3520H SHELL/6/SHELL_CMD: -Line=-IPAddr=**-User=**;
Command is ap-model WTU430

%May 24 20:33:03:881 2017 WX3520H SHELL/6/SHELL_CMD: -Line=-IPAddr=**-User=**;
Command is wlan ap-group wtU430

%May 24 20:33:03:221 2017 WX3520H SHELL/6/SHELL_CMD: -Line=-IPAddr=**-User=**;
Command is system-view