

某局点自动注册的AP修改名称失败问题排查经验案例

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组网及说明

不涉及

问题描述

现场工程师执行wlan auto-ap persistent name ** 命令进行ap名称的修改操作时，提示AP不存在"The AP doesn't exist"，且AP的名称无法修改成功。

过程分析

1.检查了下现场工程师的操作，发现配置参数正确。

```
[ZhongGong-CORE-AC]wlan auto-ap persistent name 6893-2011-91E0 39.198-Zhuanzi-3A
P08
The AP doesn't exist.
[ZhongGong-CORE-AC]
[ZhongGong-CORE-AC]dis wl
[ZhongGong-CORE-AC]dis wlan ap a
[ZhongGong-CORE-AC]dis wlan ap all
Total number of APs: 138
Total number of connected APs: 135
Total number of connected manual APs: 135
Total number of connected auto APs: 0
Total number of connected common APs: 135
Total number of connected WTUS: 0
Total number of inside APs: 0
Maximum supported APs: 4096
Remaining APs: 3961
Total AP licenses: 512
Local AP licenses: 512
Server AP licenses: 0
Remaining Local AP licenses: 377
Sync AP licenses: 0

AP information
State : I = Idle,      J = Join,      JA = JoinAck,  IL = ImageLoad
        C = Config,  DC = DataCheck, R = Run,      M = Master,   B = Backup

AP name          APID  State  Model  Serial ID
6893-2010-ccc0   6     R/M    WA5320-SI  219801A1B38207E00JTB
6893-2010-cde0   7     R/M    WA5320-SI  219801A1B38207E00JTM
6893-2010-e1a0   8     R/M    WA5320-SI  219801A1B38207E00JZQ
6893-2010-e300   123   R/M    WA5320-SI  219801A1B38207E00K02
6893-2010-e3c0   9     R/M    WA5320-SI  219801A1B38207E00K08
6893-2010-f420   10    R/M    WA5320-SI  219801A1B38207E00K4H
6893-2011-2fc0   14    R/M    WA5320-SI  219801A1B38207E00KMW
6893-2011-30e0   15    R/M    WA5320-SI  219801A1B38207E00KN5
6893-2011-31a0   16    R/M    WA5320-SI  219801A1B38207E00KNC
6893-2011-32e0   17    R/M    WA5320-SI  219801A1B38207E00KNP
6893-2011-88a0   18    R/M    WA5320-SI  219801A1B38207E00KPT
6893-2011-8b40   19    R/M    WA5320-SI  219801A1B38207E00KQH
6893-2011-8b80   20    R/M    WA5320-SI  219801A1B38207E00KQK
6893-2011-8ba0   21    R/M    WA5320-SI  219801A1B38207E00KQL
6893-2011-8bc0   22    I      WA5320-SI  219801A1B38207E00KQM
6893-2011-8c20   23    R/M    WA5320-SI  219801A1B38207E00KQQ
6893-2011-8ca0   24    R/M    WA5320-SI  219801A1B38207E00KQV
6893-2011-8e20   25    R/M    WA5320-SI  219801A1B38207E00KR7
6893-2011-9160   11    R/M    WA5320-SI  219801A1B38207E00KS2
6893-2011-91a0   26    R/M    WA5320-SI  219801A1B38207E00KS4
6893-2011-91e0   27    R/M    WA5320-SI  219801A1B38207E00KS6
6893-2011-9700   12    R/M    WA5320-SI  219801A1B38207E00KTJ
6893-2011-9860   13    R/M    WA5320-SI  219801A1B38207E00KTW
6893-2011-9880   127   R/M    WA5320-SI  219801A1B38207E00KTX
6893-2011-98a0   135   R/M    WA5320-SI  219801A1B38207E00KTY
6893-2011-98c0   28    R/M    WA5320-SI  219801A1B38207E00KTZ
[ZhongGong-CORE-AC]
```

2.上述命令是对自动注册的AP进行固化为手工AP，同时修改名称的。怀疑该AP是否之前已经被固化了，所以导致无法生效。

3.针对上述疑点，后续让现场直接执行wlan auto-ap persistent all 命令，将所有自动AP进行固化为手工AP后，再使用wlan rename-ap **命令进行修改名称操作测试，测试结果如下，可以正常修改名称了：

```
[ZhongGong-CORE-AC]
[ZhongGong-CORE-AC]
[ZhongGong-CORE-AC] wlan auto-ap persistent all
[ZhongGong-CORE-AC]
[ZhongGong-CORE-AC] dis wlan ap all
Total number of APs: 140
Total number of connected APs: 139
Total number of connected manual APs: 139
Total number of connected auto APs: 0
Total number of connected common APs: 139
Total number of connected WTUs: 0
Total number of inside APs: 0
Maximum supported APs: 4096
Remaining APs: 3957
Total AP licenses: 512
Local AP licenses: 512
Server AP licenses: 0
Remaining Local AP licenses: 373
Sync AP licenses: 0

AP information
State : I = Idle, J = Join, JA = JoinAck, IL = ImageLoad
C = Config, DC = DataCheck, R = Run, M = Master, B = Backup

AP name APID State Model Serial ID
6893-2010-ccc0 6 R/M WA5320-SI 219801A1B38207E00JTB
6893-2010-cde0 7 R/M WA5320-SI 219801A1B38207E00JTM
6893-2010-e1a0 8 R/M WA5320-SI 219801A1B38207E00JZQ
6893-2010-e300 123 R/M WA5320-SI 219801A1B38207E00K02
6893-2010-e3c0 9 R/M WA5320-SI 219801A1B38207E00K08
6893-2010-F420 10 R/M WA5320-SI 219801A1B38207E00K4H
[ZhongGong-CORE-AC]
[ZhongGong-CORE-AC] wlan rename-ap 6893-2010-ccc0 new-name-test
[ZhongGong-CORE-AC]
[ZhongGong-CORE-AC] dis wlan ap all
Total number of APs: 140
Total number of connected APs: 139
Total number of connected manual APs: 139
Total number of connected auto APs: 0
Total number of connected common APs: 139
Total number of connected WTUs: 0
Total number of inside APs: 0
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AP information
State : I = Idle, J = Join, JA = JoinAck, IL = ImageLoad
C = Config, DC = DataCheck, R = Run, M = Master, B = Backup

AP name APID State Model Serial ID
new-name-test 6 R/M WA5320-SI 219801A1B38207E00JTB
6893-2010-cde0 7 R/M WA5320-SI 219801A1B38207E00JTM
6893-2010-e1a0 8 R/M WA5320-SI 219801A1B38207E00JZQ
6893-2010-e300 123 R/M WA5320-SI 219801A1B38207E00K02
---- More ----
```

解决方法

先执行wlan auto-ap persistent all。
然后再执行wlan rename-ap 【旧名称】 【新名称】即可