

知 海康平台连接无线后使用SADP搜索不到海康的AVG小车

wlan优化 李发展1 2023-05-04 发表

组网及说明

现场无线本地转发，海康服务器和海康AVG小车连接无线后，海康服务器使用SADP协议管理海康的AVG小车。

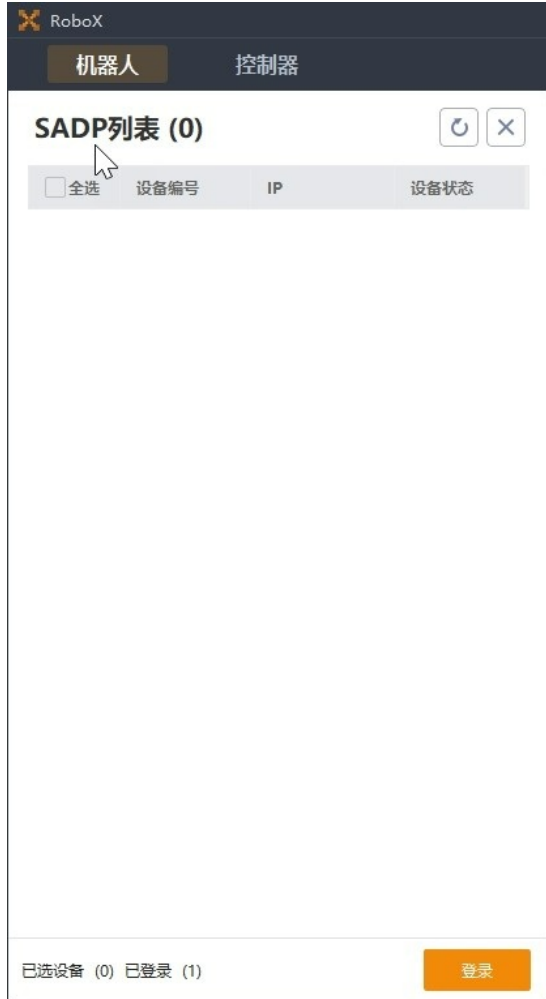


问题描述

现场发现海康服务器和海康的AGV小车连接无线后，发下海康服务器平台搜索不到AVG小车。

正常时，是可以搜索海康的AGV小车。

异常时，如下图：



过程分析

查看主要配置如下：

```
wlan service-template 4
ssid AGV
vlan 100
client forwarding-location ap
client cache aging-time 0
akm mode psk
preshared-key pass-phrase simple 12345678
cipher-suite ccmp security-ie rsn
undo client ipv6-snooping snmp-nd-report enable
bss transition-management enable
bss transition-management disassociation recommended timer 45
service-template enable
#
wlan ap-group wuxain
vlan 1
ap AP02
rrop anti-bmc network ipv4-and-ipv6-simple enable
rrop anti-bmc default-action deny
rrop anti-bmc broadcast rate-limit enable
rrop anti-bmc multicast rate-limit enable
ap-model WA6630X
map-configuration flash:/apcfg.txt
radio 1
max-power 10
radio enable channel band-width 40
option keep-active enable
option client reject enable rssi 25
sacp anti-sticky enable rssi 25 interval 6 forced-logoff
service-template 4 vlan 100
client-rate-limit enable
client-rate-limit inbound mode static cir 10240
client-rate-limit outbound mode static cir 10240
radio 2
max-power 10
radio enable
channel band-width 40 radar-detect disable
option keep-active enable
option client reject enable rssi 25
sacp anti-sticky enable rssi 25 interval 6 forced-logoff
service-template 4 vlan 100
client-rate-limit enable
client-rate-limit inbound mode static cir 10240
client-rate-limit outbound mode static cir 10240
radio 3
max-power 9
rate mandatory 11
rate supported 12 18 24 36 48 54
rate disabled 1 2 5.5 6 9
radio enable
radar-detect disable
option client reject enable rssi 27
sacp anti-sticky enable rssi 25 interval 6 forced-logoff
service-template 4 vlan 100
client-rate-limit enable
client-rate-limit inbound mode static cir 10240
client-rate-limit outbound mode static cir 10240
gigabitethernet 1
```

```
gigabitethernet 2
ten-gigabitethernet 1
#
```

AVG小车和海康服务器可以正常连接无线

解决方法

```
<13C>ns wlan client
```

由于SAP协议主要使用的是链路层多播及UDP多播的原理进行实现的。

查看配置发现在ap-userplane组下配置有arp anti-bmc-poll-flood action denyLAN

该命令的作用是用来配置拒绝AP的Radio接口发送网络中的广播和组播报文。(海康服务器)

因此，删除该配置后问题解决。 AP02 2 100.10.10.37 100 (AGV小车)

服务器和海康AGV小车之间通信无问题

```
/mnt # ping 100.10.10.130
PING 100.10.10.130 (100.10.10.130): 56 data bytes
64 bytes from 100.10.10.130: seq=0 ttl=128 time=11.134 ms
64 bytes from 100.10.10.130: seq=1 ttl=128 time=36.544 ms
64 bytes from 100.10.10.130: seq=2 ttl=128 time=10.335 ms
64 bytes from 100.10.10.130: seq=3 ttl=128 time=10.440 ms
64 bytes from 100.10.10.130: seq=4 ttl=128 time=10.790 ms
64 bytes from 100.10.10.130: seq=5 ttl=128 time=9.807 ms
64 bytes from 100.10.10.130: seq=6 ttl=128 time=10.411 ms
64 bytes from 100.10.10.130: seq=7 ttl=128 time=11.769 ms
64 bytes from 100.10.10.130: seq=8 ttl=128 time=12.646 ms
_
```

