AirWave 使用 Template 对 IAP 下发配置

➢ AirWave 管理的 VC 状态异常

故障现象：

IAP325 上线后，发现 VC 的配置出现 Error

故障排查：

1) 新上线的 IAP325 均为出厂 AOS6 版本，而在 AirWave Template 中的配置均为 AOS8，CLI 存在差异

2) 点击 Error 发现 AOS6 的 CLI 命令格式与 AirWave Template 中的 CLI 格式有区别

➢ AOS6 CLI 使用 udp 作为 ACL 的格式

➢ AOS8 CLI 使用协议号 17 作为 UDP 的 ACL 格式

TIPS:

以本次 TS 为例，发现如下情况：

✧ AOS8.5 以下的版本使用的 CLI 中 ACL rule 格式均为 udp

✧ AOS8.6 以上的版本使用的 CLI 中 ACL rule 格式为协议号

解决办法:

1) 上传 AOS8 的版本，将 IAP325 升级至 AOS

TIPS:

✧ 本次升级选择的 8.5.0.13，在升级之后发现 VC 仍然处于校验配置、加载的状态。

✧ 通过升级至 8.6.0.13 后状态正常

2) 对 VC 进行升级，选择 VC 点击管理，页面最下面，选择 update firmware

AP-System ⌄ [总数行数: 20]

设备	配置 ▼	LAN MAC 地址	序列号	IP 地址 ↓	状态 ▼	控制器 ▼
BJ-J█████L-AP-17	Good	F4:2E:7F██ █9:A6	CNJ4██ █8L	10. ██40.18	Up	BJ-JT-BJWL-VC
BJ-J1████L-AP-02	Good	F4:2E:7F █9:D0	CNJ4█ 09J	10. 16	Up	BJ-JT-BJWL-VC
BJ-J1████L-AP-14	Good	F4:2E:7F ██9:D2	CNJ4████09G	10.████50	Up	BJ-JT-BJWL-VC
BJ-J1█ L-AP-19	Good	F4:2E:7F █9:A2	CNJ4 093	10. J.22	Up	BJ-JT-BJWL-VC
BJ-J█████L-AP-10	Good	80:8D:B7██03:00	CNG██ 3RF	10.██ 0.45	Up	BJ-JT-BJWL-VC
BJ-J7████L-AP-06	Good	F4:2E:7F██ 7:5E	CNJ3██ 7H	10. ██0.56	Up	BJ-JT-BJWL-VC
BJ-J1████L-AP-18	Good	F4:2E:7F █A:30	CNJ4█ 08Z	10 ██ 0.36	Up	BJ-JT-BJWL-VC
BJ-J1████L-AP-15	Good	F4:2E:7F ██8:C8	CNJ4████09B	10 ████0.52	Up	BJ-JT-BJWL-VC
BJ-J1 L-AP-13	Good	F4:2E:7F █A:4C	CNJ4 098	10 J.34	Up	BJ-JT-BJWL-VC
BJ-JT████-AP-20	Good	F4:2E:7F█ 8:B8	CNJ4█ 09P	10 █ .59	Up	BJ-JT-BJWL-VC
BJ-J1██ ██L-AP-21	Good	F4:2E:7F█ █9:82	CNJ4█ █09F	10 ███.25	Up	BJ-JT-BJWL-VC
BJ-JT-████-VC	Error	-	-	10 .35	Up	-
BJ████W██████*	Good	F4:2E:7█ █6B:C2	CNJ4████0F2	10 ████.35	Up	BJ-JT-BJWL-VC
BJ██ W████████	Good	80:8D:█ █:02:3A	CNC 73M4	10 .53	Up	BJ-JT-BJWL-VC
BJ-, █████L-AP-04	Good	F4:2E:7█ █6C:20	CNJ4█ 0CJ	10 █ .17	Up	BJ-JT-BJWL-VC
BJ-JT██ ██-AP-11	Good	80:8D:██ █:03:22	CNC███ 73RX	10 ███ .20	Up	BJ-JT-BJWL-VC
BJ-JT████-AP-09	Good	80:8D;█ █:02:70	CNC███ 73PS	10 █ █ .38	Up	BJ-JT-BJWL-VC
BJ-JT████-AP-07	Good	80:8D:█ █:FA:78	CNG █ 73L7	10 ████ .54	Up	BJ-JT-BJWL-VC
BJ-JT L-AP-03	Good	F4:2E:█ █6C:0E	CNJ4 0D3	10. .31	Up	BJ-JT-BJWL-VC
BJ-J1████L-AP-05	Good	F4:2E:7█ █6A:7C	CNJ4█ 09V	10.██ J.47	Up	BJ-JT-BJWL-VC

管理
配置
监控
合规

Network Settings

LAN IP Address: [Enter a Value]

Control Plane Vlan: ○ Yes ● No

Maintenance Windows

[Add] New AP Maintenance Window

Dynamic Variables

Template Variables: [swarm_radius_servers ▼] [Add as Dynamic Variable] [Add All as Dynamic Variab]

Name   Value

[Add]

[Save and Apply] [Revert] [Delete] [Import Settings] [Update Firmware] [Reboot] [Factory Reset]

3) 选择上传号的版本，点击 upgrade

Choose the desired firmware version to be applied to BJ-JT-BJWL-VC. Upload firmware files on the Device Setup Upload Firmware & Files page.

Update List of Aruba Image Versions: **Update**

| Current Version: | 6.5.4.3-6.5.4.3_61959 |
| Desired Version: | 8.5.0.13-8.5.0.13_80140 local ▾ |

Firmware Upgrade Job Options

Job name:	Firmware upgrade for BJ-JT-BJW
Failure Timeout (mins) (5-60):	60
Number of retries when failed (0-4, zero disables):	1
Periodic run failed upgrades interval:	Disabled ▾
Reboot immediately after image download:	● Yes ○ No
Allow Firmware Upgrade For Same Version: This option can be used to upgrade to Private/Intermediate Builds. Select YES if the target FW version is same as Device FW version. Else select NO	○ Yes ● No

Failure Notification Options

To be notified when upgrades fail and when a job is stopped, enter email addresses of the form user@domain. Separate multiple addresses by spaces, commas, or semicolons.

Email Recipients:

| Sender Address: | Enter a Value |

Start or Schedule Firmware Upgrade Job: **Upgrade** **Cancel**

4) 升级完成查看 VC 状态
   恢复 good

DEVICES LIST

AP-version ▾ [总数行数: 22]

设备 ▲	版本 ▼	配置 ▼	IP 地址	LAN MAC	序列号	类型 ▼
BJ-JT L-AP-01	8.6.0.13-8.6.0.13_81374	Good	10 .5	B0:B8:67:	CNGH 00R	Aruba AP 325
BJ-JT L-AP-02	8.6.0.13-8.6.0.13_81374	Good	1(.16	F4:2E:7F:(	CNJ4I 9J	Aruba AP 325
BJ-JT L-AP-03	8.6.0.13-8.6.0.13_81374	Good	10 .31	F4:2E:7F:C	CNJ4I D3	Aruba AP 325
BJ-JT L-AP-04	8.6.0.13-8.6.0.13_81374	Good	10. .17	F4:2E:7F:C	CNJ4I CJ	Aruba AP 325
BJ-JT L-AP-05	8.6.0.13-8.6.0.13_81374	Good	10. .47	F4:2E:7F:C	CNJ4I 3V	Aruba AP 325
BJ-JT L-AP-06	8.6.0.13-8.6.0.13_81374	Good	10. .56	F4:2E:7F:C	CNJ3F 7H	Aruba AP 325
BJ-JT L-AP-07	8.6.0.13-8.6.0.13_81374	Good	10. .54	80:8D:B7:(	CNG7I L7	Aruba AP 325
BJ-JT L-AP-08	8.6.0.13-8.6.0.13_81374	Good	10. .53	80:8D:B7:(	CNG7I M4	Aruba AP 325
BJ-JT L-AP-09	8.6.0.13-8.6.0.13_81374	Good	10. .38	80:8D:B7:(	CNG7F PS	Aruba AP 325
BJ-JT L-AP-10	8.6.0.13-8.6.0.13_81374	Good	10. .45	80:8D:B7:(	CNG7F RF	Aruba AP 325
BJ-JT L-AP-11	8.6.0.13-8.6.0.13_81374	Good	10. .20	80:8D:B7:(	CNG7F RX	Aruba AP 325
BJ-JT -AP-12	8.6.0.13-8.6.0.13_81374	Good	10.1 .14	F4:2E:7F:C	CNJ4HI 4	Aruba AP 325
BJ-JT -AP-13	8.6.0.13-8.6.0.13_81374	Good	10.1 .34	F4:2E:7F:C	CNJ4HI B	Aruba AP 325
BJ-JT -AP-14	8.6.0.13-8.6.0.13_81374	Good	10.1 .50	F4:2E:7F:CA	CNJ4HI G	Aruba AP 325
BJ-JT L-AP-15	8.6.0.13-8.6.0.13_81374	Good	10.1 .52	F4:2E:7F:CA	CNJ4HI 3	Aruba AP 325
BJ-JT L-AP-16 *	8.6.0.13-8.6.0.13_81374	Good	10.1 .35	F4:2E:7F:CA	CNJ4HI l	Aruba AP 325
BJ-JT L-AP-17	8.6.0.13-8.6.0.13_81374	Good	10. .18	F4:2E:7F:CA:	CNJ4HI .	Aruba AP 325
BJ-JT -AP-18	8.6.0.13-8.6.0.13_81374	Good	10.1 .36	F4:2E:7F:CA:6	CNJ4HI Z	Aruba AP 325
BJ-JT -AP-19	8.6.0.13-8.6.0.13_81374	Good	10.1 .22	F4:2E:7F:CA	CNJ4HI 3	Aruba AP 325
BJ-JT -AP-20	8.6.0.13-8.6.0.13_81374	Good	10.1 .59	F4:2E:7F:CA	CNJ4HI 3	Aruba AP 325
BJ-JT -AP-21	8.6.0.13-8.6.0.13_81374	Good	10.16 .25	F4:2E:7F:CA	CNJ4HI :	Aruba AP 325
BJ-JT -VC	8.6.0.13-8.6.0.13_81374	Good	10.16 .35	-	-	Aruba Instant Virtual Controller