

联发科技 EasyMesh WebGUI

文件历史

版本	日期	描述	笔记
1.0	2019.01.03	Initial version by Rits/Kaihua/Liuzhong	
1.1	2019.03.07	1.修改MT7621+7615D自动构建镜像2.优化措辞 3.重新排列演示序列	图片版本： TB_MT7621_MT7615_MAPD_WP A3_AP_3.10.14_2019021812024 7_ulmage (P150)

议程

- WebGUI 介绍
- Easymesh 的特点是在WebGUI 上操作。

网页界面介绍

EasyMesh GUI 登录页面

The screenshot shows a web browser window with the URL `10.10.10.253` in the address bar. The page displays the Mediatek logo and a navigation menu. A 'Sign in' dialog box is open, showing the 'Username' field with 'admin' and the 'Password' field with dots. A 'Sign in' button is visible. Below the dialog, the main configuration page is partially visible, showing fields for 'Current Device Role', 'Reset EasyMesh Settings to default', 'EasyMesh On-board', and 'Runtime Topology'. A yellow banner at the bottom of the configuration page reads: 'Other EasyMesh related settings will be displayed once Device Role is configured.'

插入eth.电缆并输入 AP 的 IP 地址以登录 webGUI。
注意:默认为 10.10.10.254

usr name 和pwd 都是 admin

EasyMesh 图形用户界面

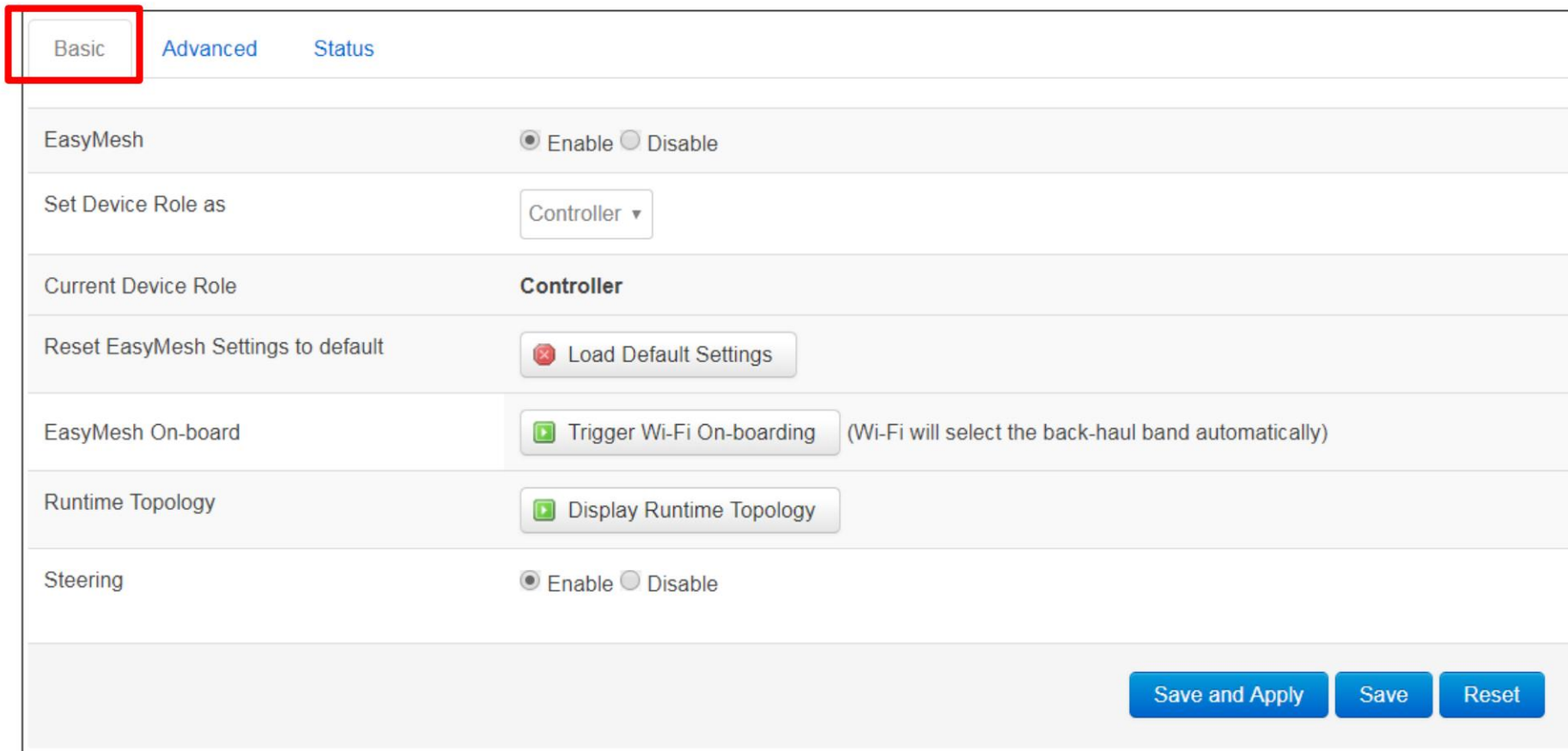
选择 EasyMesh

The screenshot displays the Mediatek web interface for wireless configuration. At the top, there is a navigation bar with 'Mediatek', 'Overview', and 'MTK'. Below this, a dropdown menu is open, listing 'WiFi configuration', 'M.A.N', 'Web Console', and 'EasyMesh', with 'EasyMesh' highlighted by a red border. The main content area is titled 'Wireless Overview' and shows two main sections for MT7615.1.2 and MT7615.1.1. The MT7615.1.2 section is active and shows four AP interfaces (rax0, rax1, rax2, rax3) and one STA interface (apclix0). Each interface has associated configuration buttons like 'Reload', 'Config', 'Add', 'Disable', 'Remove', 'Enable', and 'Connect'.




Device	Work mode	Driver version	Buttons
MT7615.1.2	AP	5.0.3.2	Reload, Config, Add
Interface: rax0	AP	SSID: 0Multi-AP-24G-1 Channel: 9 BSSID: 02:0c:43:48:0c:96 Mode: B/G/GN mode	Disable, Config, Remove
Interface: rax1	AP	SSID: 0Multi-AP-24G-2 Channel: 9 BSSID: 02:0c:43:58:0c:96 Mode: B/G/GN mode	Disable, Config, Remove
Interface: rax2	AP	SSID: 0Multi-AP-24G-3 Channel: 9 BSSID: 02:0c:43:68:0c:96 Mode: B/G/GN mode	Disable, Config, Remove
Interface: rax3	AP	SSID: 0Multi-AP-24G-4 Channel: 9 BSSID: 02:0c:43:78:0c:96 Mode: B/G/GN mode	Disable, Config, Remove
Interface: apclix0	STA	Status: Disconnected Wireless is disabled or not associated	Enable, Connect, Config
MT7615.1.1	AP	5.0.3.2	Reload, Config, Add

EasyMesh 配置

3 个主要页面 - 基本 UI



The screenshot displays the EasyMesh configuration interface with the 'Basic' tab selected. The interface includes several settings and control buttons:

- Basic** (selected), **Advanced**, **Status**
- EasyMesh**: Enable Disable
- Set Device Role as**: Controller ▾
- Current Device Role**: **Controller**
- Reset EasyMesh Settings to default**: 
- EasyMesh On-board**:  (Wi-Fi will select the back-haul band automatically)
- Runtime Topology**: 
- Steering**: Enable Disable
- Save and Apply**, **Save**, **Reset**

EasyMesh 配置

3 个主要页面 – 高级用户界面 (1/2)

Basic	Advanced	Status
AL_MAC	00:0c:43:28:0c:3C	
Up-link AP Selection	<input type="button" value="Trigger Up-link AP Selection"/>	
BSS Configurations Renew	<input type="button" value="Configure BSS"/>	
Channel Utilization Threshold	2G	<input type="text" value="70"/> Range: 0 to 100 Unit: Percentage
	5GL	<input type="text" value="80"/> Range: 0 to 100 Unit: Percentage
	5GH	<input type="text" value="80"/> Range: 0 to 100 Unit: Percentage
<input type="button" value="Apply Channel Utilization Threshold"/>		
AP Steering RSSI Threshold	<input type="text" value="-54"/> dbm	Range: -90 to 0 Unit:
<input type="button" value="Apply RSSI Threshold"/>		

EasyMesh 配置

3 个主要页面 – 高级 UI (2/2)

Mandate Steering on Agent	STA MAC	<input type="text"/>
	Target BSSID	<input type="text"/>
	<input type="button" value="Trigger Mandate Steering on Agent"/>	
Back-haul Steering	Back-haul MAC	<input type="text"/>
	Target BSSID	<input type="text"/>
	<input type="button" value="Trigger Back-haul Steering"/>	
Trigger WPS at front-haul BSS of an Agent	Agent AL-MAC	<input type="text"/>
<input type="button" value="Trigger WPS at Front-haul BSS of an Agent"/>		
Front-haul status per BSS	<input type="button" value="Display Front-haul Status per BSS"/>	
Back-haul Link Metrics at Controller	<input type="button" value="Display Back-haul Link Metrics at Controller"/>	

Powered by LuCI (SVN) SDK

EasyMesh 配置

3 个主要页面 - 状态



The screenshot displays the 'Status' tab of the EasyMesh configuration interface. The 'Status' tab is highlighted with a red box. The interface is divided into several sections:

- STA Steering Progress**: A section for monitoring the progress of STA steering.
- AP Back-haul Interface List**: A list of back-haul interfaces, including ra0 and rax0.
- AP Front-haul Interface List**: A list of front-haul interfaces, including ra3, ra0, ra1, ra2, rax1, rax2, rax3, and rax0.
- AP Capabilities**: A section with a button labeled 'Display AP Capabilities'.
- Client Capabilities**: A section with a button labeled 'Display Client Capabilities'.

GUI 上的 EASYMESH 功能演示

Easymesh 特点

入职 Auto Eth 入
职 Wifi 入职

拓扑显示链路修复 手动

回程转向漫游/AP 转向

波段转向 Pre-Assoc
转向 Post-Assoc
转向配置更新

证书更新

频道更新

回程交换机

自动 Eth<->WiFi BH 开关

改变 BH 优先级

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改变 BH 优先级

第 1 步:启用 EasyMeshand 配置设备角色

EasyMesh Configurations

Basic **Advanced** Status

EasyMesh Enable Disable

Set Device Role as Controller ▾ ¹

- Auto
- Controller
- Agent

Current Device Role

Reset EasyMesh Settings to default Load Default Settings

EasyMesh On-board Trigger Wi-Fi On-boarding (Wi-Fi will select the back-haul band automatically)

Runtime Topology Display Runtime Topology

Steering Enable Disable

² Save and Apply Save Reset

控制器或
代理人

Basic **Advanced** Status

EasyMesh Enable Disable

Set Device Role as Agent ▾

Current Device Role Agent

Back-haul Connection Status Disconnected

Reset EasyMesh Settings to default Load Default Settings

EasyMesh On-board Trigger Wi-Fi On-boarding (Wi-Fi will select the back-haul band automatically)



第 2 步:自动 Eth 入职

在 Controller 和 Agent1 之间插入以太网电缆,Eth onboarding 自动完成。

前

Basic **Advanced** Status

EasyMesh Enable Disable

Set Device Role as Agent

Current Device Role **Agent**

Back-haul Connection Status **Disconnected**

Reset EasyMesh Settings to default Load Default Settings

Agent
AL_MAC - 00:0c:43:26:67:10

后

Basic **Advanced** Status

EasyMesh Enable Disable

Set Device Role as Agent

Current Device Role **Agent**

Back-haul Connection Status **Ethernet** (If you want to use Wi-Fi connection, please plug out the ethernet cable)

Reset EasyMesh Settings to default Load Default Settings

Agent
AL_MAC - 00:0c:43:26:67:10

Controller
AL_MAC - 00:0c:43:26:60:aa

内部使用

第 3 步:WiFiOnboarding

在 Controller 和 Agent2 上触发 Wi-Fi 接入

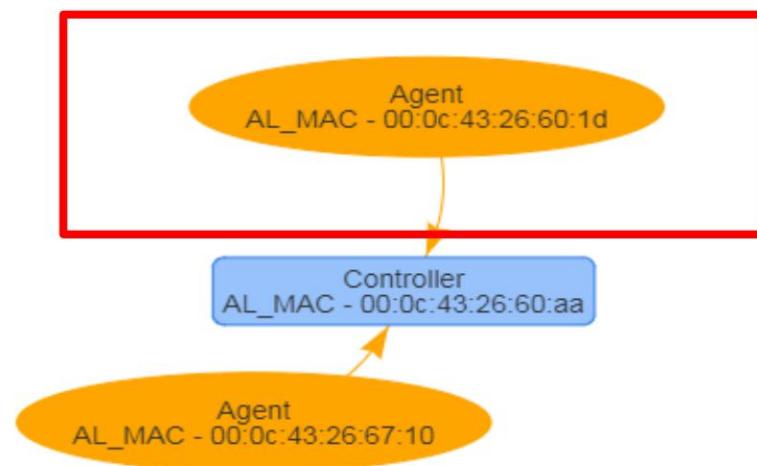
前

Basic	Advanced	Status
EasyMesh	<input checked="" type="radio"/> Enable <input type="radio"/> Disable	
Set Device Role as	Agent	
Current Device Role	Agent	
Back-haul Connection Status	Disconnected	
Reset EasyMesh Settings to default	<input type="button" value="Load Default Settings"/>	
EasyMesh On-board	<input checked="" type="button" value="Trigger Wi-Fi On-boarding"/> (Wi-Fi will select the back-haul band automatically)	



后

Current Device Role	Agent
Back-haul Connection Status	5G



第 4 步:入职结果检查

当WiFi和Eth都完成后,代理的 SSID 和安全性将与控制器保持一致

前

MT7615.1.2
Work mode: AP
Driver version: 5.0.3.2

Interface: rax0 | **Type:** AP | **SSID:** MAP-Def-2G-AP1 | **Channel:** 8
BSSID: 02:00:00:40:00:00 | **Mode:** B/G/GN mode

Interface: rax1 | **Type:** AP | **SSID:** MAP-Def-2G-AP2 | **Channel:** 8
BSSID: 02:00:00:50:00:00 | **Mode:** B/G/GN mode

MT7615.1.1
Work mode: APCLI
Driver version: 5.0.3.2

Interface: ra0 | **Type:** AP | **SSID:** MAP-Def-5G-AP1 | **Channel:** 136
BSSID: 00:00:00:00:00:00 | **Mode:** A/AC/AN mixed

Interface: ra1 | **Type:** AP | **SSID:** MAP-Def-5G-AP2 | **Channel:** 136
BSSID: 02:00:00:10:00:00 | **Mode:** A/AC/AN mixed

后

MT7615.1.2
Work mode: AP
Driver version: 5.0.3.2

Interface: rax0 | **Type:** AP | **SSID:** Multi-AP-24G-1 | **Channel:** 2
BSSID: 02:00:00:40:00:00 | **Mode:** B/G/GN mode

Interface: rax1 | **Type:** AP | **SSID:** Multi-AP-24G-2 | **Channel:** 2
BSSID: 02:00:00:50:00:00 | **Mode:** B/G/GN mode

MT7615.1.1
Work mode: APCLI
Driver version: 5.0.3.2

Interface: ra0 | **Type:** AP | **SSID:** Multi-AP-5LG-1 | **Channel:** 112
BSSID: 00:00:00:00:00:00 | **Mode:** A/AC/AN mixed

Interface: ra1 | **Type:** AP | **SSID:** Multi-AP-5LG-2 | **Channel:** 112
BSSID: 02:00:00:10:00:00 | **Mode:** A/AC/AN mixed

Easymesh 特点

入职 Auto Eth 入
职 Wifi 入职

拓扑显示链路修复 手动

回程转向漫游/AP 转向

波段转向 Pre-Assoc
转向 Post-Assoc
转向配置更新

证书更新

频道更新

回程交换机

自动 Eth<->WiFi BH 开关

改变 BH 优先级

Step 1: On Boarding后显示Runtime Topology

单击“基本”选项卡中的“显示运行时拓扑”按钮

EasyMesh Configurations

Basic Advanced Status

EasyMesh Enable Disable

Set Device Role as Controller

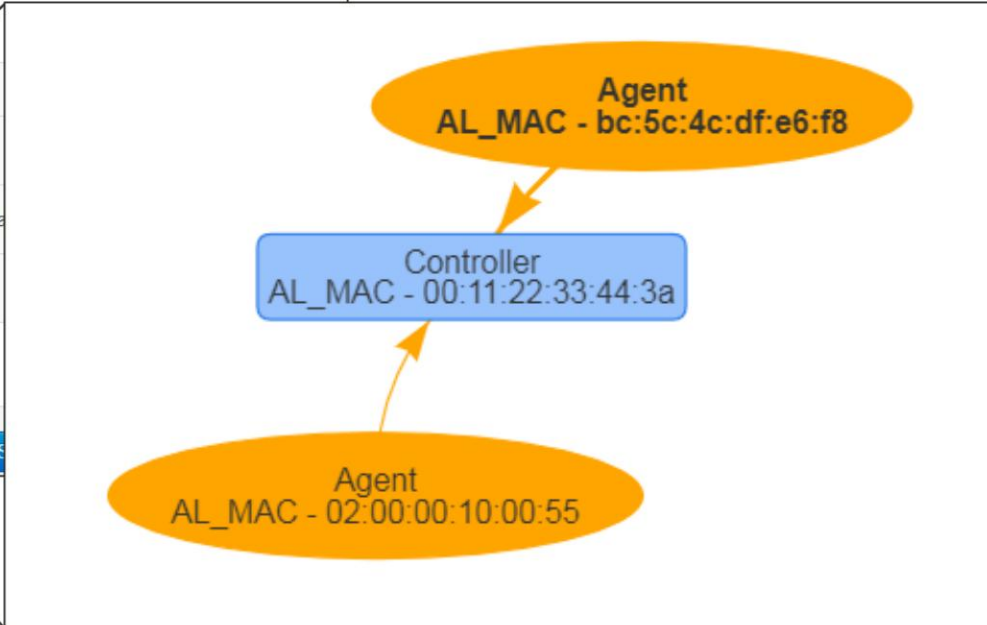
Current Device Role **Controller**

Reset EasyMesh Settings to default Load Default Settings

EasyMesh On-board Trigger Wi-Fi On-boarding (Wi-Fi will select the back-haul ba

Runtime Topology Display Runtime Topology

Steering Enable Disable



The diagram illustrates the runtime topology of the EasyMesh network. It features a central blue rounded rectangle representing the Controller, with the label "Controller" and "AL_MAC - 00:11:22:33:44:3a". Two orange ovals represent Agents. The top Agent is labeled "Agent" and "AL_MAC - bc:5c:4c:df:e6:f8". The bottom Agent is labeled "Agent" and "AL_MAC - 02:00:00:10:00:55". Orange arrows point from each Agent to the Controller, indicating a connection.

Step 2: 在Status页面显示AP能力

单击“状态”选项卡中的“显示 AP 功能”按钮

The screenshot shows the 'Status' tab in a management interface. The 'AP Capabilities' section has a button labeled 'Display AP Capabilities' highlighted with a red box. A callout window provides a detailed view of the radio information for a 1905 device.

AP Capabilities Section:

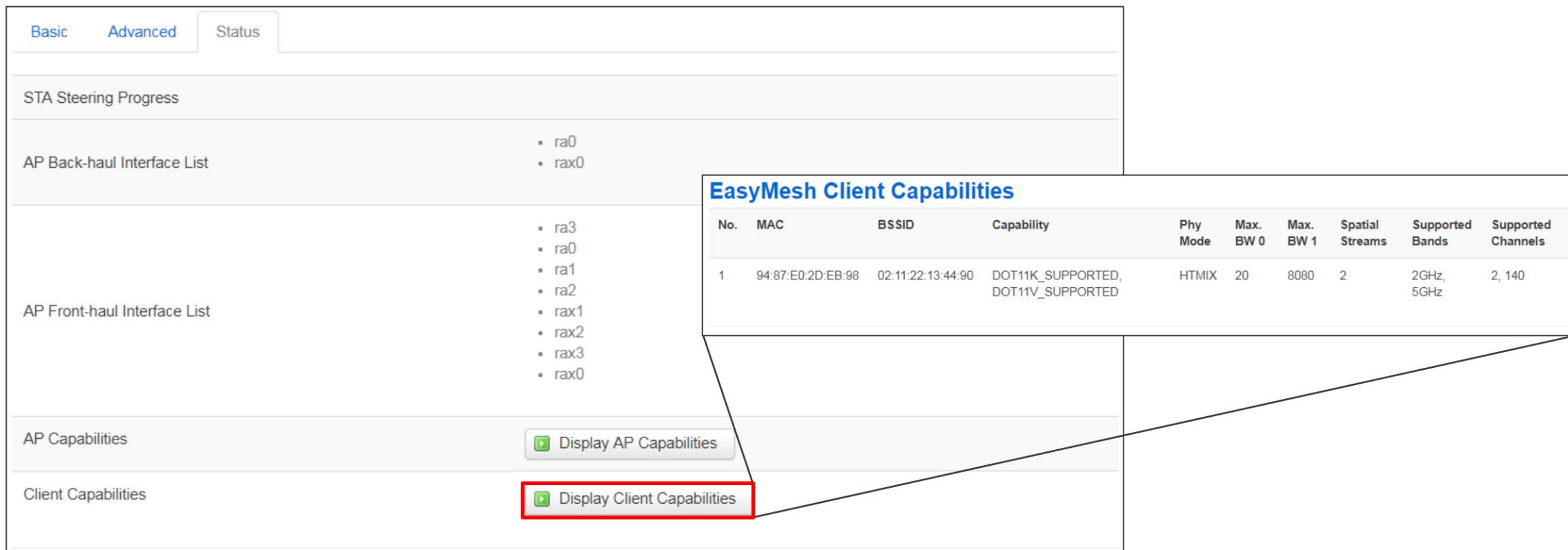
- AP Back-haul Interface List
 - ra0
 - rax0
- AP Front-haul Interface List
 - ra3
 - ra0
 - ra1
 - ra2
 - rax1
 - rax2
 - rax3
 - rax0
- AP Capabilities: **Display AP Capabilities**
- Client Capabilities: **Display Client Capabilities**

Radio Info of 1905 Device - 1

channel	64
identifier	00:00:00:00:02:01
BW	NA
wireless mode	17
Tx Spatial streams	1
Rx Spatial streams	1
Radio Info - 1	
BSSID	00:0c:43:28:02:87
SSID	Multi-AP-5G
Security	0000
BSSINFO - 1	
connected sta info - 1	STA MAC address: 06:0c:43:28:07:1c last assoc time: 827
connected sta info - 2	STA MAC address: 06:0c:43:28:07:0a last assoc time: 827
Radio Info - 2	
channel	6
identifier	00:00:00:00:01:00
BW	NA
wireless mode	14
Tx Spatial streams	1
Rx Spatial streams	1
BSSINFO - 1	
BSSID	00:0c:43:28:07:30
SSID	Multi-AP-24G
Security	0000

Step 3: 状态页中的客户端能力

将 STA 连接到代理
单击“显示客户端功能”按钮



The screenshot displays the STA Status page with the following sections:

- Basic | **Advanced** | Status
- STA Steering Progress
- AP Back-haul Interface List
 - ra0
 - rax0
- AP Front-haul Interface List
 - ra3
 - ra0
 - ra1
 - ra2
 - rax1
 - rax2
 - rax3
 - rax0
- AP Capabilities
- Client Capabilities

The inset table, titled "EasyMesh Client Capabilities", contains the following data:

No.	MAC	BSSID	Capability	Phy Mode	Max. BW 0	Max. BW 1	Spatial Streams	Supported Bands	Supported Channels
1	94:87:E0:2D:EB:98	02:11:22:13:44:90	DOT11K_SUPPORTED, DOT11V_SUPPORTED	HTMIX	20	8080	2	2GHz, 5GHz	2, 140

Easymesh 特点

入职 Auto Eth 入
职 Wifi 入职

拓扑显示链路修复 手动

回程转向漫游/AP 转向

波段转向 Pre-Assoc
转向 Post-Assoc
转向配置更新

证书更新

频道更新

回程交换机

自动 Eth<->WiFi BH 开关

改变 BH 优先级

第一步:手动BH转向

将 Agent2 引导至 Agent1

分配代理上的 STA MAC ADD
可以在 Status Page的AP Capabilities中找到

Back-haul MAC	06:00:00:00:00:00
Back-haul Steering	Target BSSID BC:5C:4C:DF:E6:B0
<input checked="" type="checkbox"/> Trigger Back-haul Steering	



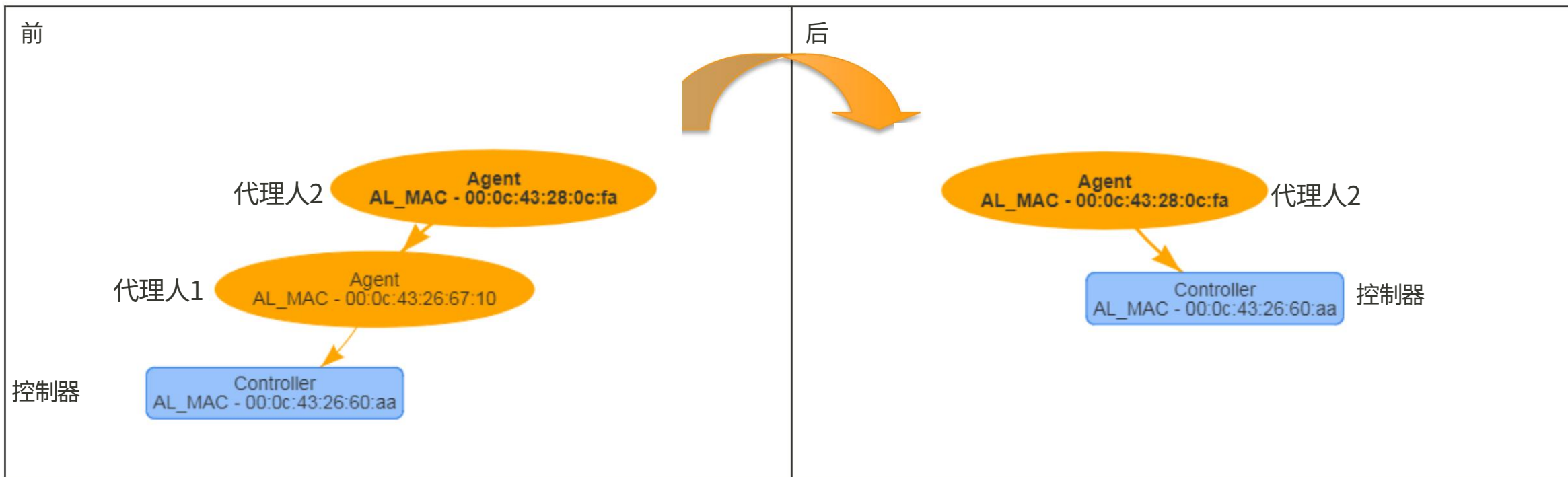
在转向期间:1 ping 丢失

```

来自 10.10.10.252 的回复: 字节=32 时间=2ms TTL=64
来自 10.10.10.252 的回复: 字节=32 时间=2ms TTL=64
来自 10.10.10.252 的回复: 字节=32 时间=2ms TTL=64
请求超时。
来自 10.10.10.252 的回复: 字节=32 时间=3ms TTL=64
来自 10.10.10.252 的回复: 字节=32 时间=6ms TTL=64
来自 10.10.10.252 的回复: 字节=32 时间=4ms TTL=64
  
```

Step 2: 链接修复

Agent1断电, Agent2直接连接Controller



链路修复期间: 2 ping 丢失

```

来自 10.10.10.254 的回复: 字节=32 时间=5ms TTL=64
来自 10.10.10.254 的回复: 字节=32 时间=5ms TTL=64
来自 10.10.10.254 的回复: 字节=32 时间=5ms TTL=64
来自 10.10.10.254 的回复: 字节=32 时间=5ms TTL=64
请求超时。
请求超时。
来自 10.10.10.254 的回复: 字节=32 时间=17ms TTL=64
来自 10.10.10.254 的回复: 字节=32 时间=5ms TTL=64
来自 10.10.10.254 的回复: 字节=32 时间=5ms TTL=64
来自 10.10.10.254 的回复: 字节=32 时间=12ms TTL=64
  
```


Easymesh 特点

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职 Wifi 入职

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波段转向 Pre-Assoc
转向 Post-Assoc
转向配置更新

证书更新

频道更新

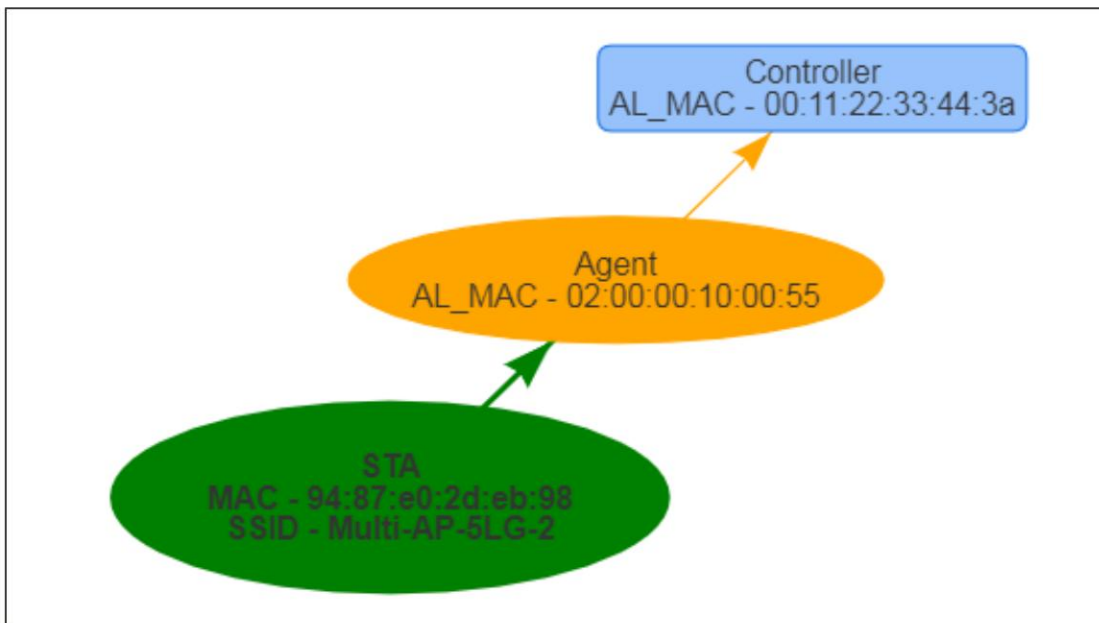
回程交换机

自动 Eth<->WiFi BH 开关

改变 BH 优先级

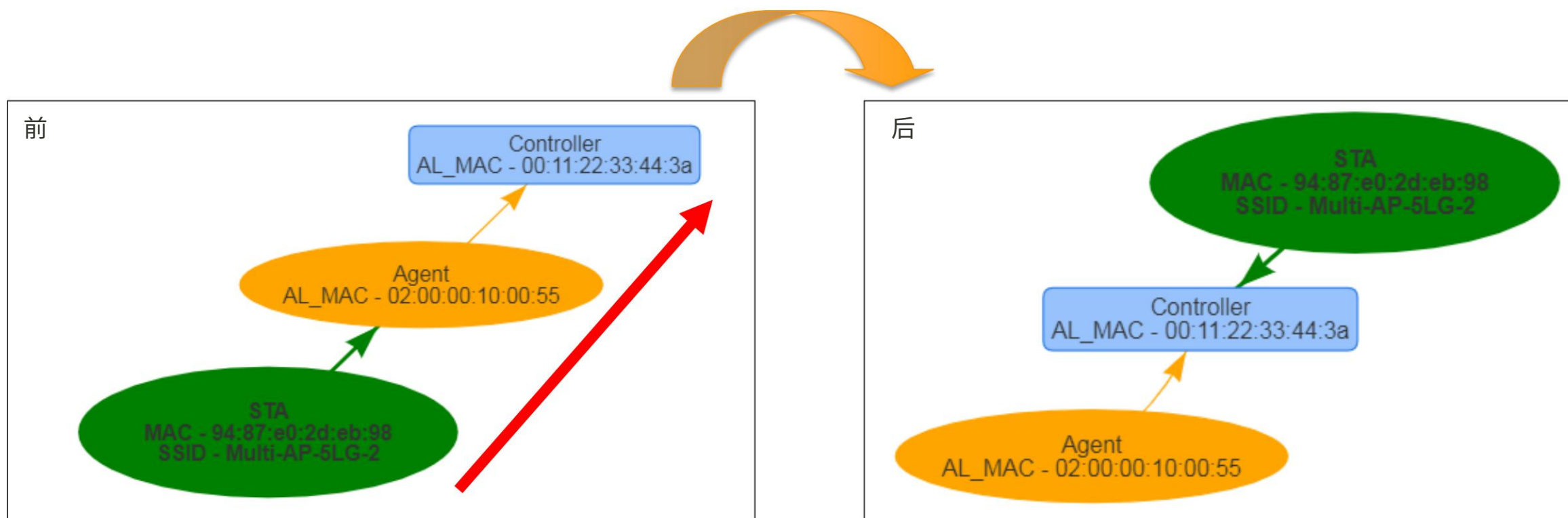
Step 1:漫游测试(1/2)

将 STA 连接到代理



Step 2:漫游测试(2/2)

将 STA 从 Agent 移动到 Controller, STA 将被引导到 Controller

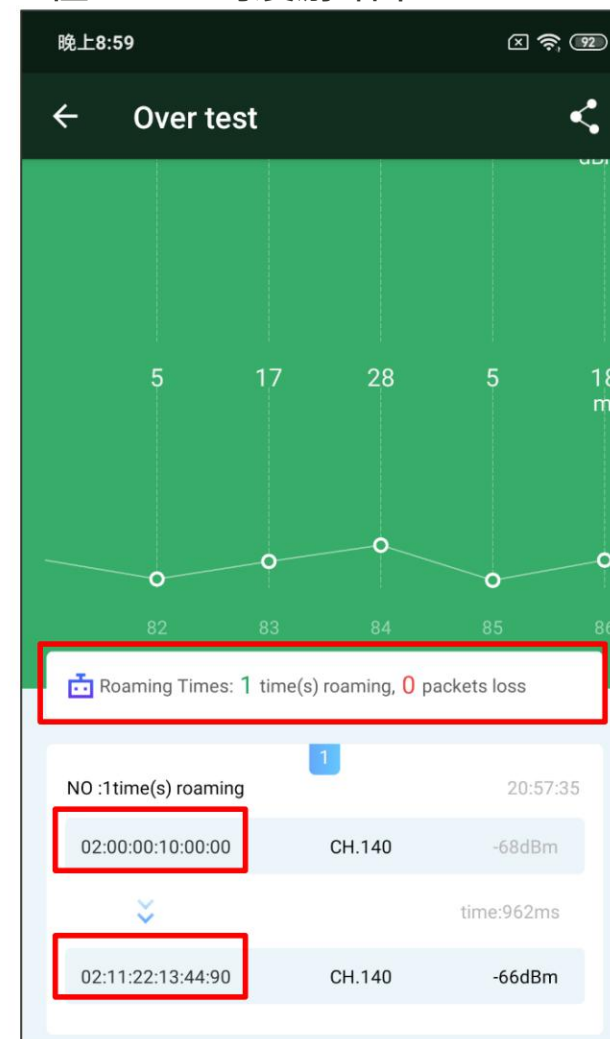


第三步:结果核对

在代理处检查 BTM 状态

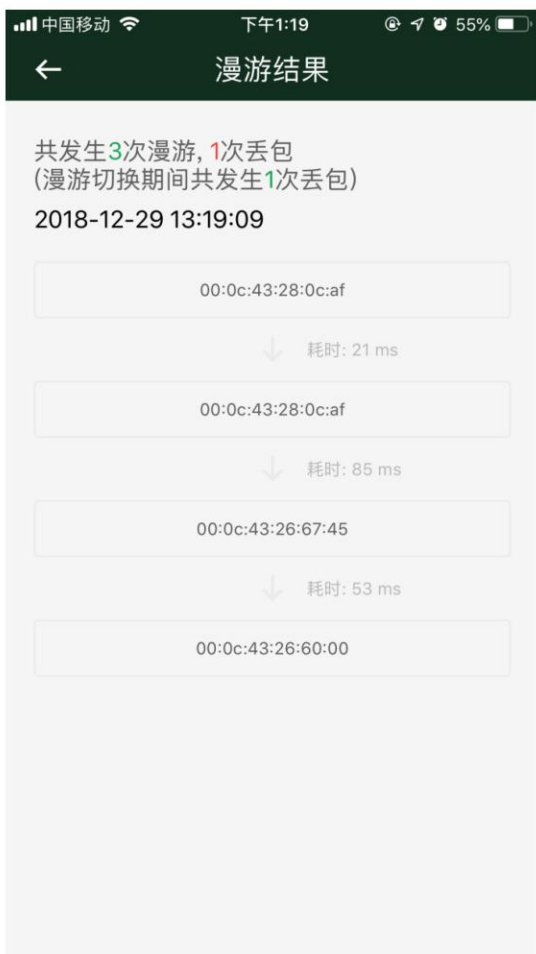
Basic	Advanced	Status
STA Steering Progress		BTM Success
Station Back-haul Interface		<ul style="list-style-type: none"> • apcli0
AP Back-haul Interface List		<ul style="list-style-type: none"> • ra0 • rax0

在STA查询漫游结果

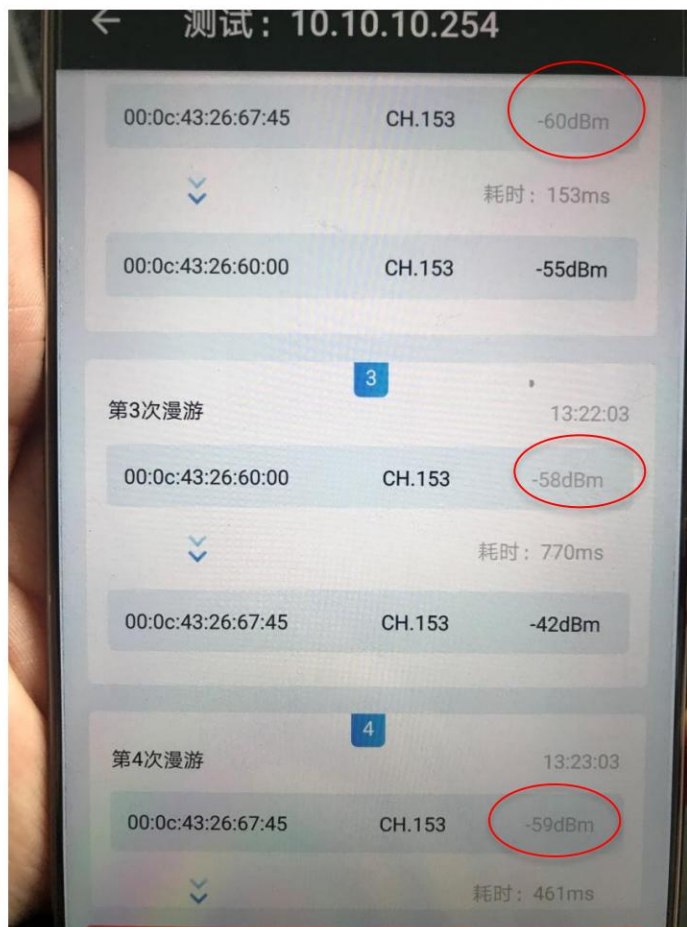


第三步:结果核对

苹果手机6



夏威夷死 10



OPPO R17



Easymesh 特点

入职 Auto Eth 入
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改变 BH 优先级

Step 1: Pre-Assoc Band Steering

1. 生成5G测试吞吐量 300M, 2.4G & 5G FH have same SSID
2. Trigger STA connect to controller
3. Controller's 5G reject STA's Auth
4. STA connect to 2G

STA:A0:C9:A0:A3:55:31

控制器 5G FH:

00:0C:43:26:60:00(雷凌科技:26:60:00)

Packet	Absolute Time	Transmitter	Receiver	Flags	Protocol
9	11:09:43.284911	A0:C9:A0:A3:55:31	RalinkTech:26:60:00	*	802.11 Auth
10	11:09:43.290409	RalinkTech:26:60:00	A0:C9:A0:A3:55:31	*	802.11 Auth

Packet Info		Packet Number=10	Flags=0x00000000	Status=0x00000000	Packet Length
802.11 MAC Header					
Version:	0	[0 Mask 0x03]			
Type:	%00	Management [0 Mask 0x0C]			
Subtype:	%1011	Authentication [0 Mask 0xF0]			
Frame Control Flags=%00000000					
Duration:	60	Microseconds [2-3]			
Destination:	A0:C9:A0:A3:55:31	[4-9]			
Source:	00:0C:43:26:60:00	RalinkTech:26:60:00 [10-15]			
BSSID:	00:0C:43:26:60:00	RalinkTech:26:60:00 [16-21]			
Seq Number:	3670	[22-23 Mask 0xFFF0]			
Frag Number:	0	[22 Mask 0x0F]			
802.11 Management - Authentication					
Auth Algorithm:	0	Open System [24-25]			
Auth Seq Num:	2	[26-27]			
Status Code:	1	Unspecified failure [28-29]			
[30-33]	FCS:	FCS=0x7FF77D33			

Step 2: Post-AssocBand Steering

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职 Wifi 入职

拓扑显示链路修复 手动

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波段转向 Pre-Assoc
转向 Post-Assoc
转向配置更新

证书更新

频道更新

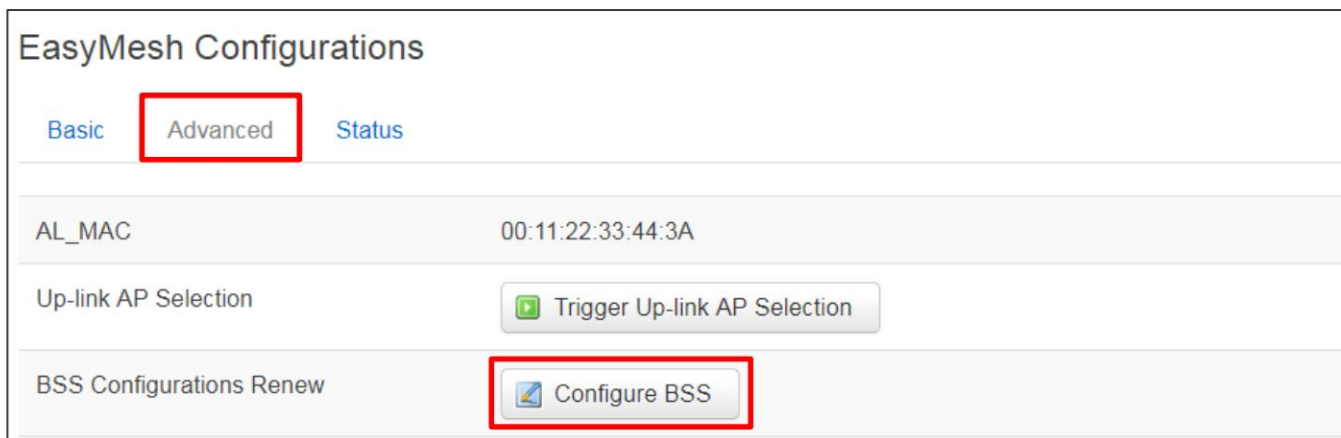
回程交换机

自动 Eth<->WiFi BH 开关

改变 BH 优先级

第一步:配置BSS信息

单击控制器上的“高级”选项卡,然后单击“配置 BSS”



EasyMesh Configurations

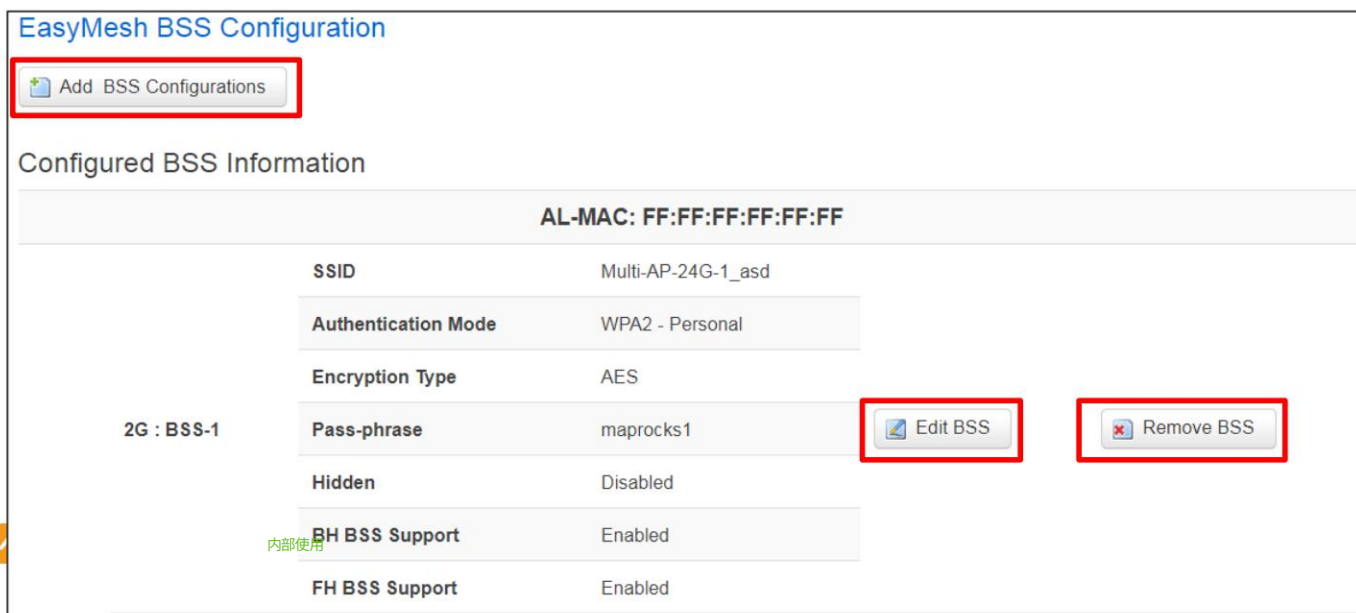
Basic **Advanced** Status

AL_MAC 00:11:22:33:44:3A

Up-link AP Selection Trigger Up-link AP Selection

BSS Configurations Renew

选择下面的按钮添加/编辑/删除 BSS



EasyMesh BSS Configuration

Configured BSS Information

AL-MAC: FF:FF:FF:FF:FF:FF

SSID	Multi-AP-24G-1_asd		
Authentication Mode	WPA2 - Personal		
Encryption Type	AES		
Pass-phrase	maprocks1	<input type="button" value="Edit BSS"/>	<input type="button" value="Remove BSS"/>
Hidden	Disabled		
BH BSS Support	Enabled		
FH BSS Support	Enabled		

2G : BSS-1

内部使用

第二步:配置BSS信息

修改 SSID、AuthMode/EncryptionType、Passphrase、Hiddenness、
BH支持和FH支持

EasyMesh BSS Configuration

 Add BSS Configurations

AL-MAC	<input type="text" value="FF:FF:FF:FF:FF:FF"/>
Radio Band	<input type="text" value="5GH"/>
SSID	<input type="text" value="Multi-AP-5HG-4-edited"/>
Authentication Mode	<input type="text" value="WPA2 - Personal"/>
Encryption Type	<input type="text" value="AES"/>
Pass-phrase	<input type="text" value="maprocks4"/>
Hidden	<input type="checkbox"/>
Back-haul BSS Support	<input type="checkbox"/>
Front-haul BSS Support	<input checked="" type="checkbox"/>

Save and Apply

Save

Reset

第三步:配置更新结果检查

FH配置更新 (所有设备)



前



MT7615.1.2

Work mode: AP

Driver version: 5.0.3.2

Interface: rax0 | **Type:** AP | **SSID:** Multi-AP-24G-1 | **Channel:** 2
BSSID: 02:11:22:43:44:90 | **Mode:** B/G/GN mode

Interface: rax1 | **Type:** AP | **SSID:** Multi-AP-24G-2 | **Channel:** 2
BSSID: 02:11:22:53:44:90 | **Mode:** B/G/GN mode



MT7615.1.1

Work mode: AP

Driver version: 5.0.3.2

Interface: ra0 | **Type:** AP | **SSID:** Multi-AP-5LG-1 | **Channel:** 140
BSSID: 00:11:22:33:44:90 | **Mode:** A/AC/AN mixed

Interface: ra1 | **Type:** AP | **SSID:** Multi-AP-5LG-2 | **Channel:** 140
BSSID: 02:11:22:13:44:90 | **Mode:** A/AC/AN mixed

后



MT7615.1.2

Work mode: AP

Driver version: 5.0.3.2

Interface: rax0 | **Type:** AP | **SSID:** Multi-AP-24G-1 | **Channel:** 2
BSSID: 02:11:22:43:44:90 | **Mode:** B/G/GN mode

Interface: rax1 | **Type:** AP | **SSID:** Multi-AP-24G-2-edited | **Channel:** 2
BSSID: 02:11:22:53:44:90 | **Mode:** B/G/GN mode



MT7615.1.1

Work mode: AP

Driver version: 5.0.3.2

Interface: ra0 | **Type:** AP | **SSID:** Multi-AP-5LG-1 | **Channel:** 140
BSSID: 00:11:22:33:44:90 | **Mode:** A/AC/AN mixed

Interface: ra1 | **Type:** AP | **SSID:** Multi-AP-5LG-2-edited | **Channel:** 140
BSSID: 02:11:22:13:44:90 | **Mode:** A/AC/AN mixed

第四步:频道更新

使用命令从 Controller 为所有设备设置 2.4G 和 5G 信道

```
# mapd_cli /tmp/mapd_ctrl set user_preferred_channel 1  
count =5 1=mapd_cli 2=/tmp/mapd_ctrl  
Successfully opened connection to mapd  
OK  
# mapd_cli /tmp/mapd_ctrl set user_preferred_channel 149  
count =5 1=mapd_cli 2=/tmp/mapd_ctrl  
Successfully opened connection to mapd  
OK  
#
```



Step 5: 频道更新结果查询



前



MT7615.1.2

Work mode: AP

Driver version: 5.0.3.2

Interface: rax0 | **Type:** AP | **SSID:** Multi-AP-24G-1 | **Channel:** 2
BSSID: 02:11:22:43:44:90 | **Mode:** B/G/GN mode

Interface: rax1 | **Type:** AP | **SSID:** Multi-AP-24G-2-edited | **Channel:** 2
BSSID: 02:11:22:53:44:90 | **Mode:** B/G/GN mode



MT7615.1.1

Work mode: AP

Driver version: 5.0.3.2

Interface: ra0 | **Type:** AP | **SSID:** Multi-AP-5LG-1 | **Channel:** 140
BSSID: 00:11:22:33:44:90 | **Mode:** A/AC/AN mixed

Interface: ra1 | **Type:** AP | **SSID:** Multi-AP-5LG-2-edited | **Channel:** 140
BSSID: 02:11:22:13:44:90 | **Mode:** A/AC/AN mixed

后



MT7615.1.2

Work mode: AP

Driver version: 5.0.3.2

Interface: rax0 | **Type:** AP | **SSID:** Multi-AP-24G-1 | **Channel:** 1
BSSID: 02:11:22:43:44:90 | **Mode:** B/G/GN mode

Interface: rax1 | **Type:** AP | **SSID:** Multi-AP-24G-2-edited | **Channel:** 1
BSSID: 02:11:22:53:44:90 | **Mode:** B/G/GN mode



MT7615.1.1

Work mode: AP

Driver version: 5.0.3.2

Interface: ra0 | **Type:** AP | **SSID:** Multi-AP-5LG-1 | **Channel:** 149
BSSID: 00:11:22:33:44:90 | **Mode:** A/AC/AN mixed

Interface: ra1 | **Type:** AP | **SSID:** Multi-AP-5LG-2-edited | **Channel:** 149
BSSID: 02:11:22:13:44:90 | **Mode:** A/AC/AN mixed

Easymesh 特点

入职 Auto Eth 入
职 Wifi 入职

拓扑显示链路修复 手动

回程转向漫游/AP 转向

波段转向 Pre-Assoc
转向 Post-Assoc
转向配置更新

证书更新

频道更新

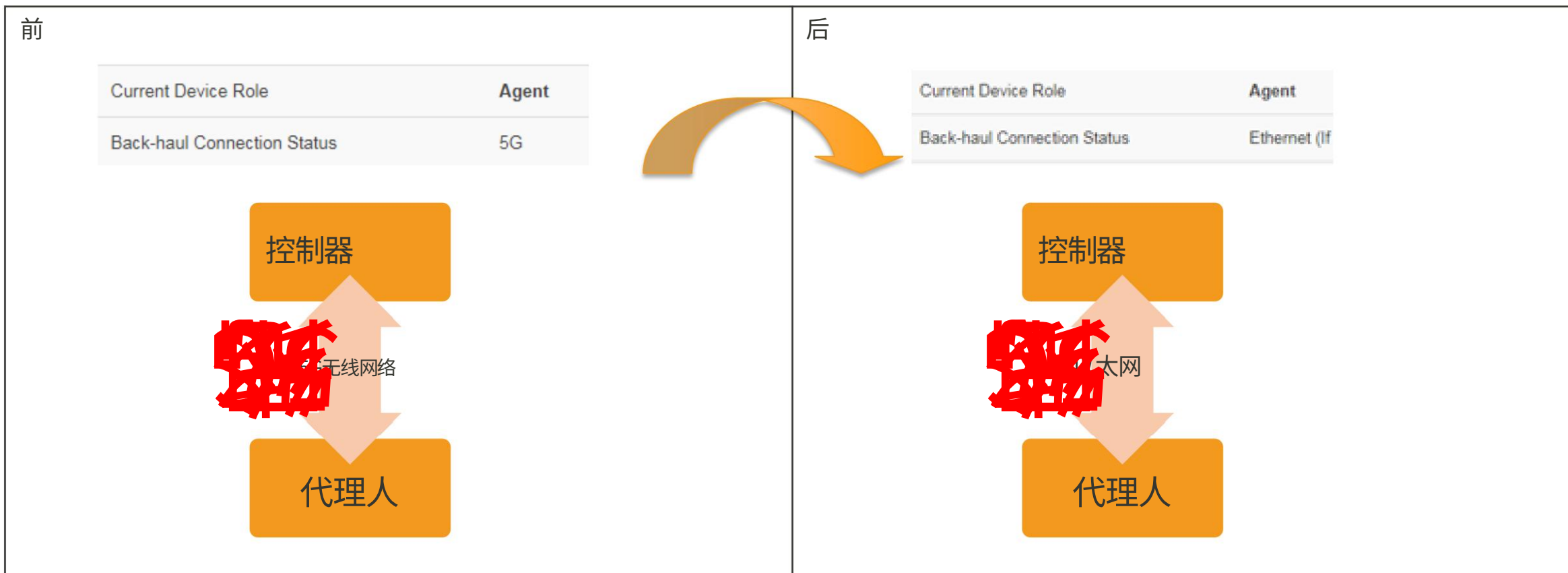
回程交换机

自动 Eth<->WiFi BH 开关

改变 BH 优先级

Step 1: WiFi Eth BH自动切换

在Agent和Controller之间插上以太网线,连接状态会自动改变。

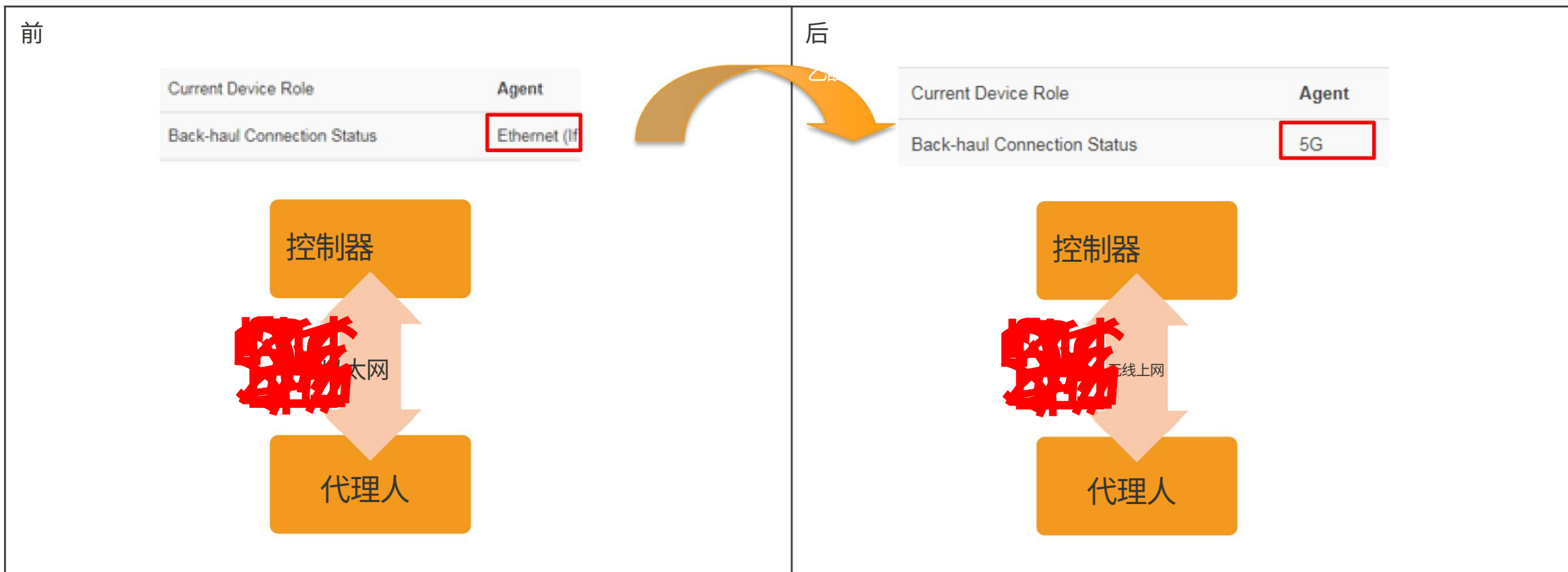


在切换时间内:1 ping 丢失

```
来自 10.10.10.252 的回复: 字节=32 时间=2ms TTL=64
来自 10.10.10.252 的回复: 字节=32 时间=2ms TTL=64
来自 10.10.10.252 的回复: 字节=32 时间=2ms TTL=64
请求超时。
来自 10.10.10.252 的回复: 字节=32 时间=3ms TTL=64
来自 10.10.10.252 的回复: 字节=32 时间=6ms TTL=64
来自 10.10.10.252 的回复: 字节=32 时间=4ms TTL=64
```


第二步:Eth WiFi BH自动切换

拔掉Agent和Controller之间的网线,连接状态会自动改变。



在切换时间内:1 ping 丢失

```

10.10.10.253 的回复: 字节=32 时间=3ms TTL=64
10.10.10.253 的回复: 字节=32 时间=3ms TTL=64
来自 10.10.10.253 的回复: 字节=32 时间=3ms TTL=64
请求超时。
来自 10.10.10.253 的回复: 字节=32 时间=4ms TTL=64
来自 10.10.10.253 的回复: 字节=32 时间=4ms TTL=64

```

第三步:5G 2G BH手动切换

Agent2 BH 由 5G 改为 2G by preference



前

Current Device Role: Agent

Back-haul Connection Status: **5G**

Reset EasyMesh Settings to default:

EasyMesh On-board: Trigger Wi-Fi On-boarding (Wi-Fi will select the back-haul band automatically)

Runtime Topology: Display Runtime Topology

Steering: Enable Disable

Wireless Back-haul Preference:

- 2G: Low
- 5G: High

Apply Wireless Back-haul Priority

控制器

~~5G~~

↕

代理人

后

Current Device Role: Agent

Back-haul Connection Status: **2.4G**

Reset EasyMesh Settings to default:

EasyMesh On-board: Trigger Wi-Fi On-boarding (Wi-Fi will select the back-haul band automatically)

Runtime Topology: Display Runtime Topology

Steering: Enable Disable

Wireless Back-haul Preference:

- 2G: High
- 5G: Disable

Apply Wireless Back-haul Priority

控制器

~~2G~~

↕

代理人

在切换时间内:1 ping 丢失

```

来自 10.10.10.252 的回复: 字节=32 时间=2ms TTL=64
来自 10.10.10.252 的回复: 字节=32 时间=2ms TTL=64
来自 10.10.10.252 的回复: 字节=32 时间=2ms TTL=64
请求超时。
来自 10.10.10.252 的回复: 字节=32 时间=3ms TTL=64
来自 10.10.10.252 的回复: 字节=32 时间=6ms TTL=64
来自 10.10.10.252 的回复: 字节=32 时间=4ms TTL=64

```



everyday genius