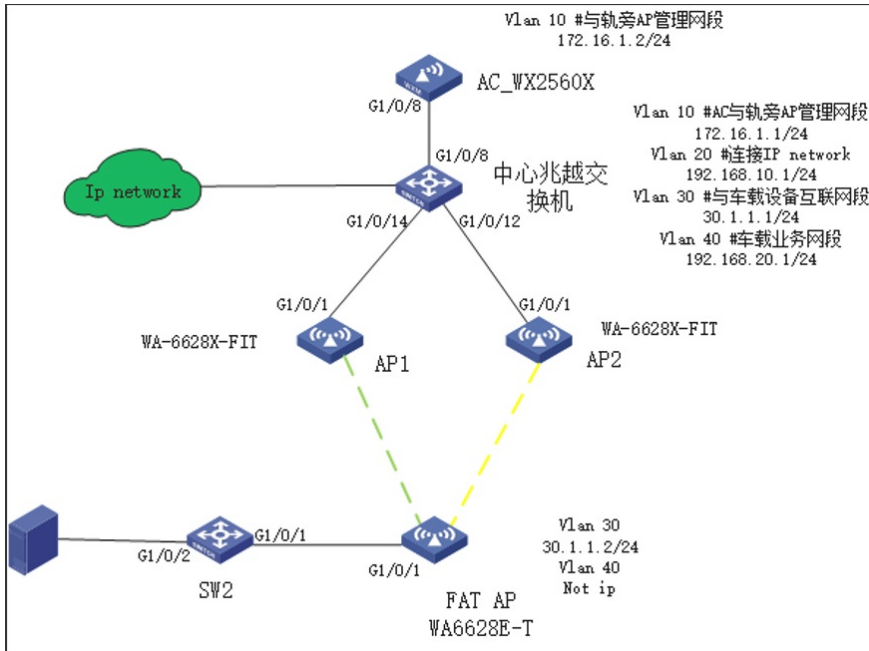


配置mesh, 移动链路切换配置, 同一vlan ping测试不通

wlan接入 唐广 2023-01-28 发表

组网及说明



问题描述

问题现象：配置mesh，移动链路切换配置，同一vlan ping测试不通；配置完成后，在FAT AP上能看到WLAN mesh链路，但是尝试使用VLAN30 ping测不通（30.1.1.2 ping 30.1.1.1 不通）

```
<FATAP1>dis wlan mesh-link
Peer MAC      RSSI BSSID      Interface      Link state      Online time
f4e9-7527-bb11 41 38a9-1c3b-0dd1 WLAN-MeshLink6 Active(gn)      00h 45m 40s
<FATAP1>ping 30.1.1.1
Ping 30.1.1.1 (30.1.1.1): 56 data bytes, press CTRL_C to break
Request time out

--- Ping statistics for 30.1.1.1 ---
2 packet(s) transmitted, 0 packet(s) received, 100.0% packet loss
<FATAP1>ping -a 30.1.1.2 30.1.1.1
Ping 30.1.1.1 (30.1.1.1) from 30.1.1.2: 56 data bytes, press CTRL_C to break
Request time out
Request time out
Request time out
Request time out
Request time out

--- Ping statistics for 30.1.1.1 ---
5 packet(s) transmitted, 0 packet(s) received, 100.0% packet loss
<FATAP1>
```

过程分析

1、vlan30都有放通

胖ap:

```
interface WLAN-Mesh1
port link-type trunk
undo port trunk permit vlan 1
port trunk permit vlan 30 40
```

瘦ap:

```
dis wlan ap all connection-record
```

AP name	IP address	State	Time
f4e9-7527-dde0	172.16.1.3	Run	01-05 11:21:48
f4e9-7527-bb00	172.16.1.4	Run	01-05 11:19:50

(1) wlan ap f4e9-7527-bb00 model WA6628X

```
serial-id 219801A2ER822AE000L1
map-configuration flash:/map.txt
vlan 1
vlan 30
vlan 40
interface wlan-mesh 1
 mesh-port link-type trunk
 undo mesh-port trunk permit vlan 1
 mesh-port trunk permit vlan 30 40
```

GigabitEthernet1/0/1

Current state: UP

Line protocol state: UP

IP packet frame type: Ethernet II, hardware address: f4e9-7527-bb00

Description: GigabitEthernet1/0/1 Interface

Bandwidth: 1000000 kbps

Loopback is not set

Media type is twisted pair, promiscuous mode not set

1000Mbps-speed mode, full-duplex mode

Link speed type is autonegotiation, link duplex type is autonegotiation

Flow-control is not enabled

Maximum frame length: 1600

Allow jumbo frames to pass

Broadcast max-ratio: 100%

Multicast max-ratio: 100%

Unicast max-ratio: 100%

PVID: 1

Port link-type: Trunk

VLAN Passing: 1(default vlan), 30, 40

VLAN permitted: 1(default vlan), 30, 40

(2) wlan ap f4e9-7527-dde0 model WA6628X

```
serial-id 219801A2ER822AE000W1
map-configuration flash:/map.txt
vlan 1
vlan 30
vlan 40
interface wlan-mesh 1
 mesh-port link-type trunk
 undo mesh-port trunk permit vlan 1
 mesh-port trunk permit vlan 30 40
```

GigabitEthernet1/0/1

Current state: UP

Line protocol state: UP

IP packet frame type: Ethernet II, hardware address: f4e9-7527-dde0

Description: GigabitEthernet1/0/1 Interface

Bandwidth: 1000000 kbps

Loopback is not set

Media type is twisted pair, promiscuous mode not set

删除AP视图下的vlan30,因为在AP视图下配置vlan,会把标签剥掉,导致FAT AP无法从vlan 30学习到
link speed type is auto

Flow-control is not enabled

Maximum frame length: 1600

Allow jumbo frames to pass

Broadcast max-ratio: 100%

Multicast max-ratio: 100%

Unicast max-ratio: 100%

PVID: 1

Port link-type: Trunk

VLAN Passing: 1(default vlan), 30, 40

VLAN permitted: 1(default vlan), 30, 40

2、瘦ap上也能学习到mac地址

wlan ap f4e9-7527-bb00

=====display mac-address=====

MAC Address	VLAN ID	State	Port/Nickname	Aging
081d-fb07-116a	1	Learned	GE1/0/1	Y
bcd0-ebe1-ebd0	1	Learned	GE1/0/1	Y
fc45-9690-3828	1	Learned	GE1/0/1	Y
38a9-1c3b-0331	30	MESH	WLAN-MeshLink9	N
38a9-1c3b-0dd1	30	MESH	WLAN-MeshLink6	N

wlan ap f4e9-7527-dde0

=====display mac-address=====

MAC Address	VLAN ID	State	Port/Nickname	Aging
081d-fb07-116a	1	Learned	GE1/0/1	Y
bcd0-ebe1-ebd0	1	Learned	GE1/0/1	Y
f4e9-7527-bb00	1	Learned	GE1/0/1	Y
fc45-9690-3828	1	Learned	GE1/0/1	Y
38a9-1c3b-0331	30	Learned	GE1/0/1	Y
38a9-1c3b-0dd1	30	Learned	GE1/0/1	Y

3、在瘦AP上起一个VLAN30,能够ping通交换机的vlan30地址

