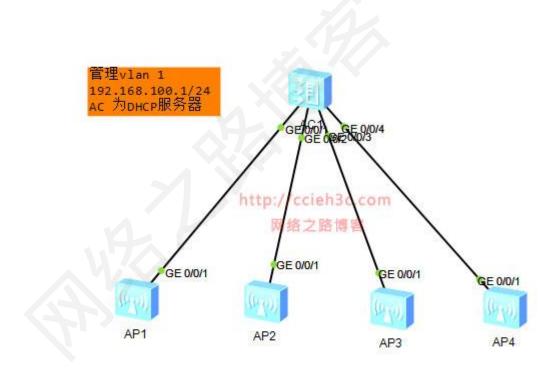
一、实验目标

掌握配置WLAN源接口的命令 掌握配置DHCP服务器的命令 掌握手工确认AP上线的方法a

二、实验拓扑

由浅入深玩转华为WLAN--1 二层组网AP上线



三、实验配置

AC基础配置,主要是配置管理VLAN的IP地址,及DHCP服务,因为这里是二层组网,所以不用配置 option

dhcp enable interface Vlanif1 ip address 192.168.100.1 255.255.255.0 dhcp select interface wlan wlan ac source interface vlanif1

配置检查先检查下DHCP是否分出地址,可以用dis ip pool inter vlan 1 来检查,这里可以看到已经为4个AP分出地址了

[HW-AC6005] dis ip pool interface Vlanif1 Pool-name : Vlanif1 Pool-No : 0 Lease : 1 Days 0 Hours 0 Minutes Domain-name : -DNS-server0 :-NBNS-server0 :-Netbios-type : -Position : Interface Status : Unlocked Gateway-0 : 192.168.100.1 Mask : 255.255.255.0 VPN instance : --End Total Used Idle(Expired) Conflict Disable 192.168.100.1 192.168.100.254 253 4 249(0) 0 0

因为默认华为的AC使用了mac地址对AP的上线进行认证,所以现在还不能看到AP,但是通过dis arp 可以看到AP的MAC

_	AC6005] <mark>dis ap</mark> .P information		Normal-	0):		
AP /Re	AP egion	АР	Profile	AP	AP	
ID 	Type 	MAC	ID	State	Sysname 	
	I number: 0 AC6005] <mark>dis ar</mark>)				
	DRESS MA /CEVLAN PVC	C ADDRESS	EXPIRE((M) TYPE	INTERFACE	VPN-INSTANCE
	58.100.1 00e 58.100.254 00e					

192.168.100.253 00e0-fc03-b310 20 D-0 GE0/0/3

1/
192.168.100.252 00e0-fc03-da40 20 D-0 GE0/0/2

1/
192.168.100.251 00e0-fc03-dc50 20 D-0 GE0/0/4

1/
Total:5 Dynamic:4 Static:0 Interface:1

可能通过dis unauthorized-ap record查看未通过认证的AP列表

HW-AC6005]dis unauthorized-ap record					
Unauthorized AP record:					
Total number: 4					
AD to the ADCOLODAL ACAL					
AP type: AP6010DN-AGN AP sn: 210235448310E6766418 AB was address: 00=0 fe03 de50					
AP ip address: 192.168.100.251					
Record time: 2013-12-06 12:13:25					
AP type: AP6010DN-AGN					
AP sn: 2102354483106D748F23					
AP mac address: 00e0-fc03-8e30					
AP ip address: 192.168.100.254					
Record time: 2013-12-06 12:13:24					
AP type: AP6010DN-AGN					
AP sn: 210235448310BE35BA59					
AP mac address: 00e0-fc03-b310					
AP ip address: 192.168.100.253					
Record time: 2013-12-06 12:12:59					
AP type: AP6010DN-AGN					
AP sn: 210235448310152A7C4D					
AP mac address: 00e0-fc03-da40					
AP ip address: 192.168.100.252					
Record time: 2013-12-06 12:12:58					

通过命令确认AP上线,下面是见证奇迹的时刻了:

```
[HW-AC6005] wlan
[HW-AC6005-wlan-view]ap-confirm all
Info: Confirm AP completely. Success count: 4. Failure count: 0.
[HW-AC6005-wlan-view]dis ap all
All AP information(Normal-4,UnNormal-0):
AP AP
              AΡ
                      Profile AP
 /Region
   Type
            MAC
                       ID State
                                   Sysname
 ______
   AP6010DN-AGN
                   00e0-fc03-dc50 0/0 normal
                                            ap-0
                   00e0-fc03-8e30 0/0 normal
1
  AP6010DN-AGN
                                             ap-1
2 AP6010DN-AGN
                   00e0-fc03-b310 0/0 normal
                                             ap-2
3 AP6010DN-AGN
                   Total number: 4
```

1 四、补充知识

1、如果已经知道AP的MAC和型号(SN号是可选的),也可以通过下面命令上AP上线

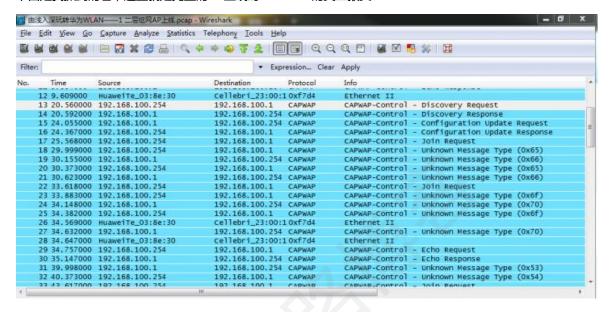
```
wlan
wlan ac source interface vlanif1
ap id 0 type-id 19 mac 00e0-fc03-dc50 sn 210235448310E6766418
ap id 1 type-id 19 mac 00e0-fc03-8e30 sn 2102354483106D748F23
ap id 2 type-id 19 mac 00e0-fc03-b310 sn 210235448310BE35BA59
ap id 3 type-id 19 mac 00e0-fc03-da40 sn 210235448310152A7C4D
```

2、如果想重启一个AP,可以在WLAN配置示图下使用命令ap reset id x 或ap reset all重启AP,重启时候记得抓包哦,亲!

```
[HW-AC6005-wlan-view]ap-reset id 0
Warning: Reset AP! Continue? [Y/N]y
Info: Reset AP completely.
[HW-AC6005-wlan-view]dis ap all
All AP information(Normal-3,UnNormal-1):
AP AP
                 AΡ
                           Profile AP
                                          AP
 /Region
                MAC
                            ID
                                   State
ID Type
                                             Sysname
    AP6010DN-AGN
                       00e0-fc03-dc50 0/0 fault
                                                     ap-0
   AP6010DN-AGN
                       00e0-fc03-8e30 0/0
                                            normal
                                                       ap-1
```

2 AP6010DN-AGN 00e0-fc03-b310 0/0 normal ap-2
3 AP6010DN-AGN 00e0-fc03-da40 0/0 normal ap-3
-----Total number: 4

下面是我抓到的包,这里就是完整的AP上线时CAPWAP的交互报文



博主也只是业余时间写写技术文档,请大家见谅,大家觉得不错的话,可以推荐给朋友哦,博主会努力推出更好的系列文档的。如果大家有任何疑问或者文中有错误跟疏忽的地方,欢迎大家留言指出,博主看到后会第一时间修改,谢谢大家的支持,更多技术文章尽在网络之路博客,http://ccieh3c.com。

技术博客 http://ccieh3c.com

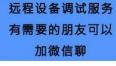


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