

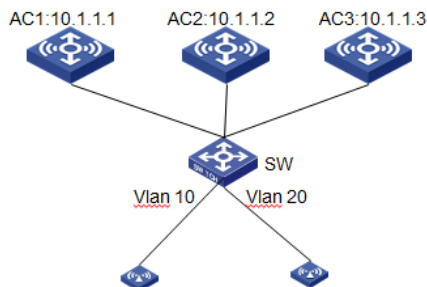
知 WX系列AC实现n+1冷备的典型配置(V7)

License AP管理 AC备份 裴锐霖 2018-06-10 发表

组网及说明

3台40G插卡的AC，共4000台AP和4000条License，，需采用2+1冷备结合License组功能的方案实现既可以管理所有AP，又可以在不增加License的前提下备份。

组网：AC1和AC2为主，AC3为备。



配置步骤

配置思路：

1、先配置License组，在AC1和AC2上各注册两千条License，AC3通过共享组同步AC1和AC2的License；

```
[AC1] wlan ap-license-group
[AC1-wlan-ap-license-group] local ip 10.1.1.1
[AC1-wlan-ap-license-group] member ip 10.1.1.3 backup
[AC1-wlan-ap-license-group] member ip 10.1.1.2
[AC1-wlan-ap-license-group] ap-license-synchronization enable
#
```

```
[AC2] wlan ap-license-group
[AC2-wlan-ap-license-group] local ip 10.1.1.2
[AC2-wlan-ap-license-group] member ip 10.1.1.3 backup
[AC2-wlan-ap-license-group] member ip 10.1.1.1
[AC2-wlan-ap-license-group] ap-license-synchronization enable
#
```

```
[AC3] wlan ap-license-group
[AC3-wlan-ap-license-group] local ip 10.1.1.3 backup
[AC3-wlan-ap-license-group] member ip 10.1.1.1
[AC3-wlan-ap-license-group] member ip 10.1.1.2
[AC3-wlan-ap-license-group] ap-license-synchronization enable
```

2、分别在三台AC上配置AP模板，主AC配置高优先级和抢占模式，备AC配置backup AC指向主。

```
[AC1] wlan ap sushe-1 model WA5530
[AC1-wlan-ap-sushe-1]priority 7
[AC1-wlan-ap-sushe-1]wlan tunnel-preempt enable
#
```

```
[AC2] wlan ap jiaoshi-1 model WA5530
[AC2-wlan-ap-jiaoshi-1]priority 7
[AC2-wlan-ap-jiaoshi-1]wlan tunnel-preempt enable
#
```

```
[AC3] wlan ap sushe-1 model WA5530
[AC3-wlan-ap-sushe-1]backup-ac ip 10.1.1.1
#
```

```
[AC3] wlan ap jiaoshi-1 model WA5530
[AC3-wlan-ap-jiaoshi-1]backup-ac ip 10.1.1.2
```

3、配置核心交换机上的dhcp server，需给所属不同主AC的AP分配不同的dhcp option 43

```
[SW]dhcp server ip-pool sushe
[SW-dhcp-pool-sushe]gateway-list 192.168.1.254
[SW-dhcp-pool-sushe]network 192.168.1.0 mask 255.255.255.0
[SW-dhcp-pool-sushe]option 43 hex 800B0000 020A0101 010A0101 03
#
```

```
[SW]dhcp server ip-pool jiaoshi
[SW-dhcp-pool-s-jiaoshi]gateway-list 192.168.2.254
```

```
[SW-dhcp-pool- jiaoshi]network 192.168.2.0 mask 255.255.255.0
```

```
[SW-dhcp-pool- jiaoshi]option 43 hex 800B0000 020A0101 020A0101 03
```

4、验证结果

正常情况下，AP分别在AC1和AC2上为R/M状态，在AC3上都为I，当AC1故障时，AC3上的分属AC1的AP即变成R/M，当AC1恢复后，AC1随机抢占为主，AC3所有AP的在线状态又变成I。主备互相切换完成时间都为30秒左右。

配置关键点

注意事项：

- 1、License组配置完后，AC1和AC3会建立隧道，AC2和AC3建立隧道，AC1和AC2不会建立隧道，但配置中都必须互相体现出member ip。
- 2、需要将业务的dhcp server，网关都上移到其他设备，比如核心上或bas上，这种方案只能实现ap的备份。