

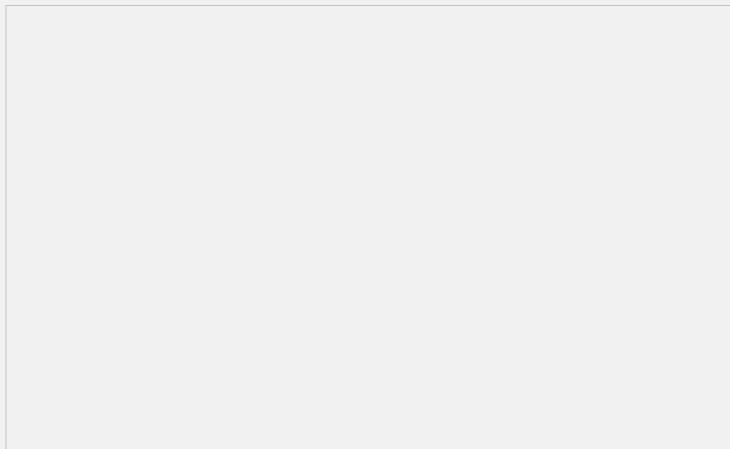
# WX系列AC+Fit AP IPv6注册的配置说明

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WX系列AC+Fit AP IPv6注册的配置说明

## 一、二层注册：AC、AP自动生成链路本地地址完成注册

### 1. 组网图：



本经验举例中AC使用WX5004无线控制器，版本为R2308P23。AC、AP自动生成链路本地地址并完成注册。

### 2. AC配置：

```
#  
version 5.20, Release 2308P23  
#  
sysname AC  
#  
ipv6 //使能IPv6报文转发功能。  
#  
vlan 1  
#  
vlan 2  
#  
interface Vlan-interface2  
ipv6 address auto link-local //配置系统自动为接口生成链路本地地址。  
#  
interface GigabitEthernet1/0/1  
port access vlan 2  
#  
wlan ap ap01 model WA2220-AG id 1  
serial-id 210235A29EB092002600  
radio 1  
radio 2  
#  
return
```

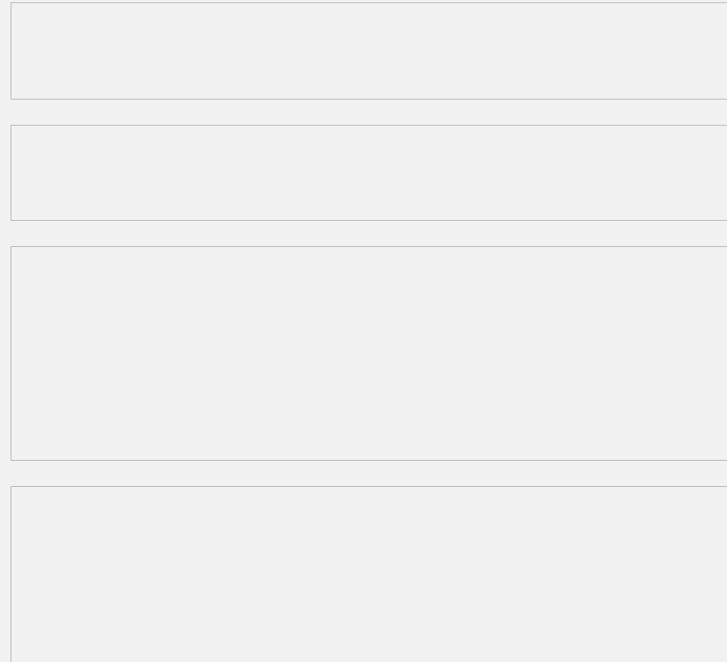
### 3. AP配置：

```
#  
version 5.20, Release 1122P23  
#  
sysname WA2220-AG  
#  
domain default enable system  
#  
ipv6 //AP默认配置。  
#  
telnet server enable  
#  
password-recovery enable  
#
```

```
vlan 1
#
domain system
access-limit disable
state active
idle-cut disable
self-service-url disable
#
user-group system
group-attribute allow-guest
#
interface NULL0
#
interface Vlan-interface1 //接口下配置为AP自动配置，无须手工配置。
ipv6 address auto
ip address dhcp-alloc client-identifier mac Vlan-interface1
#
interface Ethernet1/0/1
#
interface WLAN-Radio1/0/1
#
interface WLAN-Radio1/0/2
#
info-center source LWPC channel 4
#
undo gratuitous-arp-learning enable
#
user-interface con 0
user-interface vty 0 4
user privilege level 3
set authentication password cipher $c$3$yQ+PvaZY9XrFwp4YYkn6KckUFLh7E/6A
SP9PkKw=
#
return
```

#### 4. 结果验证：

AC、AP自动生成接口的链路本地地址并完成注册：



#### 二、三层注册：AP无状态自动配置获取IPv6地址并手工配置AC IPv6地址完成注册

##### 1. 组网图：

本经验举例中AC使用WX5004无线控制器，版本为R2308P23。AP无状态自动配置获取IPv6地址，AP上手工配置AC IPv6地址，AP通过单播方式完成注册。

## 2. AC配置：

```
#  
version 5.20, Release 2308P23  
#  
sysname AC  
#  
ipv6 //使能IPv6报文转发功能。  
#  
vlan 1  
#  
vlan 2  
#  
interface Vlan-interface2  
ipv6 address 2001:2::1/64 //配置接口全球单播地址。  
#  
interface GigabitEthernet1/0/1  
port access vlan 2  
#  
wlan ap ap01 model WA2220-AG id 1  
serial-id 210235A29EB092002600  
radio 1  
radio 2  
#  
return
```

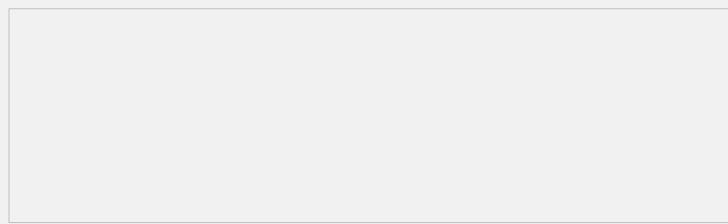
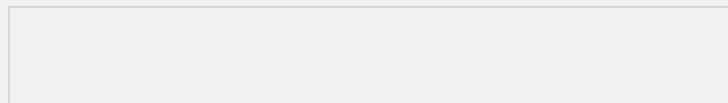
## 3. SW配置：

```
#  
version 5.20, Release 2103  
#  
sysname SW  
#  
ipv6 //使能IPv6报文转发功能。  
#  
vlan 1  
#  
vlan 2 to 3  
#  
interface Vlan-interface2  
ipv6 address 2001:2::2/64 //配置接口全球单播地址。  
#  
interface Vlan-interface3  
undo ipv6 nd ra halt //取消对RA消息发布的抑制。  
ipv6 address 2001:3::2/64  
#  
interface Ethernet1/0/1  
port link-mode bridge  
port access vlan 3  
poe enable
```

```
#  
interface Ethernet1/0/24  
port link-mode bridge  
port access vlan 2  
#  
return  
4. AP配置:  
#  
version 5.20, Release 1122P23  
#  
sysname WA2220-AG  
#  
ipv6 //AP默认配置。  
#  
wlan ac ipv6 2001:2::1 //手工配置AC IPv6地址。  
#  
vlan 1  
#  
domain system  
access-limit disable  
state active  
idle-cut disable  
self-service-url disable  
#  
user-group system  
group-attribute allow-guest  
#  
interface NULL0  
#  
interface Vlan-interface1 //接口下配置为AP自动配置，无须手工配置。  
ipv6 address auto  
ip address dhcp-alloc client-identifier mac Vlan-interface1  
#  
interface Ethernet1/0/1  
#  
interface WLAN-Radio1/0/1  
#  
interface WLAN-Radio1/0/2  
#  
info-center source LWPC channel 4  
#  
undo gratuitous-arp-learning enable  
#  
user-interface con 0  
user-interface vty 0 4  
authentication-mode none  
user privilege level 3  
set authentication password cipher $c$3$yQ+PvaZY9XrFwp4YYkn6KckUFLh7E/6A  
SP9PkKw=  
#  
return
```

**5. 结果验证:**

AP无状态自动配置获取IPv6地址并完成注册：



三、三层注册：AP有状态DHCPv6获取IPv6地址并Option 52获取AC IPv6地址完成注册

#### 1. 组网图：

本经验举例中AC使用WX5004无线控制器，版本为T2507P01（B109分支）。SW作为DHCPv6中继，AC作为DHCPv6服务器，AP有状态DHCPv6获取IPv6地址并Option 52获取AC IPv6地址，AP通过单播方式完成注册。

## 2. AC配置:

```
#  
version 5.20, Test 2507P01  
#  
sysname AC  
#  
ipv6 //使能IPv6报文转发功能。  
#  
ipv6 dhcp server enable //使能DHCPv6服务器功能。  
#  
vlan 1  
#  
vlan 2  
#  
ipv6 dhcp pool 1 //配置DHCPv6地址池并设置option 52属性为AC IPv6地址（须完整的IPv6地址格式）。  
network 2001:3::/64  
option 52 hex 2001000200000000000000000000000000000001  
#  
interface Vlan-interface2  
ipv6 address 2001:2::1/64  
ipv6 dhcp server apply pool 1 //接口上引用DHCPv6地址池。  
#  
interface GigabitEthernet1/0/1  
port access vlan 2  
#  
wlan ap ap01 model WA2610i-GN id 1  
serial-id 219801A0CLC124000294  
radio 1  
#  
ipv6 route-static 2001:3:: 64 2001:2::2  
#  
return  
3. SW配置  
#  
version 5.20, Release 2103  
#
```

```
sysname SW
#
ipv6 //使能IPv6报文转发功能。
#
vlan 1
#
vlan 2 to 3
#
interface Vlan-interface2
ipv6 address 2001:2::2/64
#
interface Vlan-interface3
undo ipv6 nd ra halt //取消对RA消息发布的抑制。
ipv6 nd autoconfig managed-address-flag //配置被管理地址的配置标志位为1，即主机通过有状态自动配置（例如DHCP服务器）获取IPv6地址。
ipv6 address 2001:3::2/64
ipv6 dhcp relay server-address 2001:2::1 //配置接口工作在DHCPv6中继模式，并指定DHCPv6服务器。
#
interface Ethernet1/0/1
port link-mode bridge
port access vlan 3
poe enable
#
interface Ethernet1/0/24
port link-mode bridge
port access vlan 2
#
return
4. AP配置
#
version 5.20, Customer 1501P09
#
sysname WA2610i-GN
#
domain default enable system
#
ipv6 //AP默认配置。
#
telnet server enable
#
password-recovery enable
#
vlan 1
#
domain system
access-limit disable
state active
idle-cut disable
self-service-url disable
#
user-group system
group-attribute allow-guest
#
interface NULL0
#
interface Vlan-interface1 //接口下配置为AP自动配置，无须手工配置。
ipv6 address auto
ip address dhcp-alloc client-identifier mac Vlan-interface1
ipv6 address dhcp-alloc
#
interface GigabitEthernet1/0/1
#
interface WLAN-Radio1/0/1
```

```
#  
info-center source LWPC channel 4  
#  
undo gratuitous-arp-learning enable  
#  
user-interface con 0  
user-interface vty 0 4  
authentication-mode none  
user privilege level 3  
set authentication password cipher  
$c$3$u0sj/U2GUSKXilt3JxGNnyt+gorrspL$xs4dZQNI=  
#  
return
```

### 5. 结果验证:

AP有状态DHCPv6获取IPv6地址并Option 52获取AC IPv6地址完成注册：