IP MAC Binding

Information About IP MAC Binding

The wireless device tracking features, such as, theft detection, proxy, DHCP relay, gleaning, and suppression are enabled with IP MAC address binding configuration.

Note   The IP MAC address binding is enabled by default in the policy profile.

No IP MAC Binding

It disables all the wireless device tracking features for wireless clients' IPv4 address.

Note   It is not normally necessary to disable IP MAC binding, except for the following scenarios:

- When you have a single wireless station with multiple IP addresses.

- When you intentionally have duplicate IP addresses across clients.

- When you are using ARP-spoofing Network Access Control (NAC) devices.

Use Cases for No IP MAC Binding

The following are the use cases for No IP MAC binding:

- Disabling IP Learning in FlexConnect Mode

- Disabling Device Tracking to Support NAC Devices

Disabling IP MAC Binding (CLI)

Procedure

	Command or Action	Purpose
Step 1	**configure terminal** **Example:** `Device# configure terminal`	Enters global configuration mode.

Step 2	**wireless profile policy** *profile-policy-name*
	
	Example:
	`Device(config)# wireless profile policy`
	`test-profile-policy`
		Configures the wireless profile policy.

Step 3	**shutdown** **Example:** `Device(config-wireless-policy)# shutdown`	Disables the wireless policy profile. **Note** — Disabling policy profile results in associated AP and client to rejoin.

Step 4	**no ip mac-binding**
	
	Example:
	`Device(config-wireless-policy)# no ip`
	`mac-binding`
		Disables IP MAC binding.

Step 5	**no shutdown**
	
	Example:
	`Device(config-wireless-policy)# no`
	`shutdown`
		Enables the wireless policy profile.

Step 6	**exit** **Example:** `Device(config-wireless-policy)# exit`	Returns to privileged EXEC mode.

Verifying IP MAC Binding

To verify if the IP MAC binding is disabled or not, use the following command:

```
Device# show run | b wireless profile policy test-profile-policy
wireless profile policy test-profile-policy
 no ip mac-binding
 vlan VLAN0169
```