



IP MAC Binding

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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.
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Use Cases for No IP MAC Binding

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

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 <i>profile-policy-name</i> 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
```