



## 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.



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

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### No IP MAC Binding

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



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**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 Learning in FlexConnect Mode
- Disabling Device Tracking to Support NAC Devices

- Disabling IP Learning in FlexConnect Mode

## Disabling IP MAC Binding (CLI)

### Procedure

	Command or Action	Purpose
<b>Step 1</b>	<b>configure terminal</b> <b>Example:</b> Device# configure terminal	Enters global configuration mode.
<b>Step 2</b>	<b>wireless profile policy <i>profile-policy-name</i></b> <b>Example:</b> Device(config)# wireless profile policy test-profile-policy	Configures the wireless profile policy.
<b>Step 3</b>	<b>shutdown</b> <b>Example:</b> Device(config-wireless-policy)# shutdown	Disables the wireless policy profile. <b>Note</b> Disabling policy profile results in associated AP and client to rejoin.
<b>Step 4</b>	<b>no ip mac-binding</b> <b>Example:</b> Device(config-wireless-policy)# no ip mac-binding	Disables IP MAC binding.
<b>Step 5</b>	<b>no shutdown</b> <b>Example:</b> Device(config-wireless-policy)# no shutdown	Enables the wireless policy profile.
<b>Step 6</b>	<b>exit</b> <b>Example:</b> 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
```