



# Access Point Plug-n-Play

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## Overview of Access Point Plug-n-Play

The Plug and Play (PnP) server provides staging parameters to an access point (AP) before it joins a controller. Using this staging configuration, the AP receives the runtime configuration when it joins the controller.

The AP PnP feature enables the PnP server to provide all tag-related information, as part of the preconfigured information to the AP and in turn, to the controller.

You can upload configuration in PNP server in either *TXT* or *JSON* format and also add the AP details. The AP details are then mapped with the details in the *TXT* or *JSON* configuration file. While provisioning AP from PnP server, the AP acquires this configuration details. Based on the configuration details, the AP then joins the corresponding controller with the tag details.

## Provisioning AP from PnP Server

You can provision AP from PnP Server in either ways:

- Configure DHCP server or switch with *Option 43*. For example, you can refer to the following code sample:

```
ip dhcp pool vlan10
network 9.10.10.0 255.255.255.0
default-router 9.10.10.1
option 43 ascii 5A1D;B2;K4;|9.10.60.5;J80
```

- Configure DHCP server with DNS. For example, you can refer to the following code sample:

```
ip dhcp pool vlan10
network 9.10.10.0 255.255.255.0
default-router 9.10.10.1
dns-server 9.8.65.5
domain-name dns.com
```

## Verifying AP Tag Configuration

The following example shows how to verify the AP tag configuration:

```
Device# show ap tag summary
Number of APs: 5
```

AP Name RF Tag Name	AP Mac Misconfigured	Site Tag Name Tag Source	Policy Tag Name
APd42c.4482.6102 default-rf-tag	d42c.4482.6102 No	default-site-tag Default	default-policy-tag
AP00c1.64d8.6af0 named-rf-tag	00c1.64d8.6af0 No	named-site-tag AP	named-policy-tag



**Note** The details in the second row reflect the tag source coming from a PNP server.