



Access Point Plug-n-Play

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AP Plug-n-Play

AP Plug-n-Play (PnP) features are configuration capabilities that

- deliver staging parameters to APs before they join a controller
- allow runtime configuration transfer when an AP joins the controller using the staging configuration, and
- enable the PnP server to provide all tag-related information. You provide this as part of the preconfigured information to the AP and then to the controller.

You can upload configuration to the PnP server in either **TEXT** or **JSON** format. You can also add the AP details. The AP details are mapped to the information in the **TEXT** or **JSON** configuration file. While provisioning the AP from the PnP server, the AP acquires these configuration details. Based on the configuration details, the AP joins the corresponding controller with the tag information.

Provision 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 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 with **domain-name dns.com**. For example, you can refer to the 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

```

Verify AP tag configuration

The 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 tag source in the second row originates from the PNP server.