



Importing a Device Package

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About the Device Package

The Application Policy Infrastructure Controller (APIC) requires a device package to configure and monitor service devices. A device package manages a single class of service devices and provides the APIC with information about the device and its capabilities. A device package is a `zip` file that contains the following parts:

Device specification	An XML file that defines the following: <ul style="list-style-type: none">• Device properties:<ul style="list-style-type: none">◦ Model—Model of the device.◦ Vendor—Vendor of the device.◦ Version—Software version of the device.• Functions provided by a device, such as load balancing, content switching, and SSL termination.• Interfaces and network connectivity information for each function.• Device configuration parameters.• Configuration parameters for each function.
Device script	A Python script that interacts with the device from the APIC. APIC events are mapped to function calls that are defined in the device script. A device package can contain multiple device scripts.
Function profile	Function parameters with default values that are specified by the vendor. You can configure a function to use these default values.

Device-level configuration parameters	A configuration file that specifies parameters that are required by a device. This configuration can be shared by one or more graphs using a device.
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You can create a device package or it can be provided by a device vendor or Cisco.

Installing a Device Package Using REST

You can install a device package using an HTTP or HTTPS POST.

Install the device package.

- If HTTP is enabled on the Application Policy Infrastructure Controller (APIC), the URL for the POST is as follows:

```
http://10.10.10.10/ppi/node/mo/.xml
```

- If HTTPS is enabled on the APIC, the URL for the POST is as follows:

```
https://10.10.10.10/ppi/node/mo/.xml
```

The message must have a valid session cookie.

For information about obtaining a cookie, see the *Cisco APIC REST API User Guide*.

The body of the POST should contain the device package being uploaded. Only one package is allowed in a POST.

Importing a Device Package Using the GUI

You import a device package using the GUI.

See [Using the GUI](#) for the procedure for importing a device package.