

## Packaging an Application Using the SDK

After your build environment is set up, package the application by performing the following steps.

### Running the Packaging Tool

To run the packaging tool in interactive mode, enter the following command from the SDK tools directory; for example, /opt/axp-sdk.1.6.1/tools :

```
[root@centos tools]# ./pkg_build.sh
```

**Refer to the Packaging Tool Parameters at:** [Application Extension Platform 1.x -- AXP Packaging Tool Parameters](#)

### Running the Packaging Tool:Example

Project Directory: /opt/output

Development Authorization File: /opt/axp-sdk.1.6.1/keys/auth\_bundle.sig

Private Key for Signing Operations: /opt/axp-sdk.1.6.1/keys/private.key

Application Name: tcpdump

Version: 1.0

Description: This is my first Cisco AXP package

Unique Identifier(optional): yourUUID

Source Directory: /opt/tcpdump

Protect List File:

Dependency SSID's (optional):

Disk Limit : 1000M

Memory Limit: 256M

CPU Limit : 3000

post-install script path: bin/post-install.sh

**Note:** The Source Directory entered above is "/opt/tcpdump" which indicates the relative path to the source directory. The Unique Identifier entered above is "yourUUID". You can choose what ID to use, or leave it blank to let the packaging tool specify an ID.

A Cisco AXP package is created for application tcpdump.

The two files for the package are in directory project-directory/pkg

- package file: suffixed by .pkg
- installer payload file: suffixed by .prt1

For example, if the project directory is specified as /opt/output/pkg, to view the various artifacts that the

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packaging tool has created in the directory: /opt/output , enter `ls` For example, the following two files are displayed on the screen:

```
tcpdump.1.0.pkg  
tcpdump.1.0.prt1
```

**Note:** Later, the Cisco AXP installer in the Cisco AXP service module, expects these two package files to be in the same FTP directory.

### **Copy Package Files to FTP Directory**

Copy `tcptrace.1.6.pkg` and `tcptrace.1.6.prt1` to the public FTP directory of the machine you are using for your Cisco AXP package.

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