Install Everything

Creative Cloud

http://creative.adobe.com

From the Cloud app install Adobe Premiere Pro CC, Adobe ExtendScript Toolkit CC, and Adobe Extension Manager CC.

Adobe Extension Signing Toolkit

Note Panel creation no longer requires Extension Builder, but you still need the zxpsigncmd command line tool:

Win: http://download.macromedia.com/pub/labs/extensionbuilder3/ccextensionswin64.exe

Mac: http://download.macromedia.com/pub/labs/extensionbuilder3/ccextensionsmac.zip

PProPanel sample project:

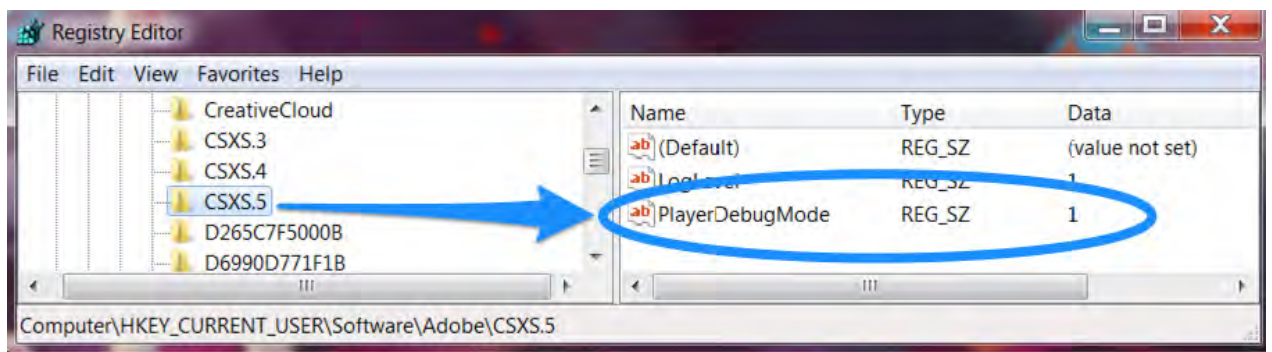https://github.com/Adobe-CEP/Samples/tree/master/PProPanel

Configure the environment

Make Premiere Pro load unsigned panels

To change Premiere Pro's preferences, type the following into a Mac OS X Terminal, then relaunch Finder:

```
defaults write /Users/<username>/Library/Preferences/com.adobe.CSXS.
5.plist PlayerDebugMode 1
```

On Windows, make the following entry into the registry:

Put panels here, to have Premiere Pro load them:

```
C:\Program Files (x86)\Common Files\Adobe\CEP\extensions
```

```
/Library/Application Support/Adobe/CEP/extensions
```

Enable Premiere Pro's console and additional log files

Show Premiere Pro's Console window using <ctrl-F12> (Windows) or <cmd-F12> (Mac). In that window, type the following:

```
debug.set CreateLogFilesThatDoNotExist = true [then press enter]
```

Find the console log here.

Win: "~\AppData\Roaming\Adobe\Premiere Pro\8.0\logs\Premiere Pro Log.txt"

Mac: "~/Library/Preferences/Adobe/Premiere Pro/8.0/logs/Premiere Pro Log.txt"

Debug JavaScript using browser-based developer tools

To enable debugging of panels using Chrome's integrated debugger, put a file named `.debug` into your extension's folder (peer of the /CSXS folder). The contents of the file should resemble the following:

```xml
<?xml version="1.0" encoding="UTF-8"?>
    <ExtensionList>
        <Extension Id="com.example.PProPanel">
            <HostList>
                <Host Name="PPRO" Port="7777"/>
            </HostList>
        </Extension>
    </ExtensionList>
```

Now, when the panel is active, you can debug the panel in your web browser at `localhost:7777`.

Turn on CEP logging

Find CEP logs here. Note that mac Library path is the system's library, not the user's.

Win: `~\AppData\Local\Temp\csxs5-PPRO.log`

Mac: `/Library/Logs/CSXS/csxs5-PPRO.log`

Set logging level in Windows Registry, or MacOS X .plist:

Win: `HKEY_CURRENT_USER/Software/Adobe/CSXS.5`

Mac: `~/Library/Preferences/com.adobe.CSXS.5.plist`

Configure CEP

It's possible to configure CEP runtime environment with environment flags:

http://peter.sh/experiments/chromium-command-line-switches/

To use these flags from within your panel, insert them in your manifest:

```
<Extension Id="xx.yy.zz">
    <DispatchInfo>
        <Resources>
            <MainPath>./html/index.html</MainPath>
            <CEFCommandLine>
```
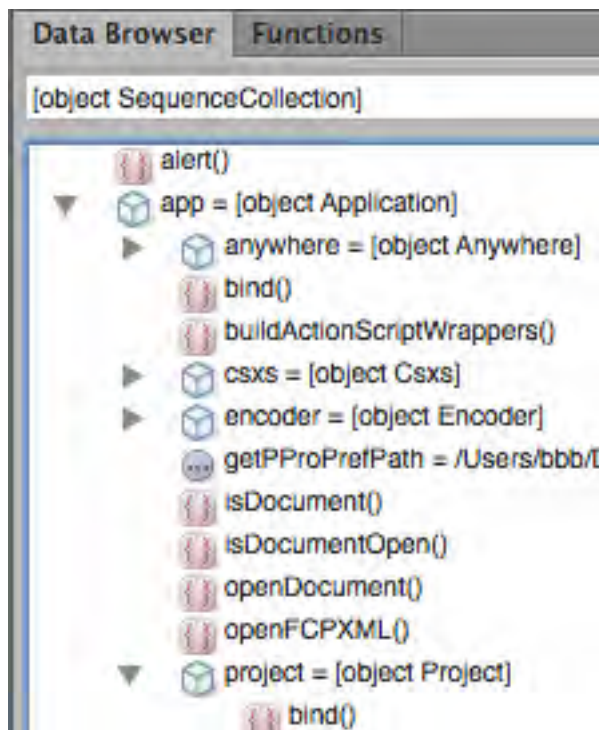
```
            <Parameter>--enable-mediastream</Parameter>
        </CEFCommandLine>
    </Resources>
    ...
</DispatchInfo>
```

Write ExtendScript in ExtendScript Toolkit (ESTK)

To start a Premiere Pro scripting session, select 'Adobe Premiere Pro CC 2014' from the target application list, then click the chain link to launch and connect. Once in the session, use the Data Browser to view the DOM.

Deploy your panel

Obtain or create a signing certificate

To create: ZXPSignCmd -selfSignedCert <countryCode> <stateOrProvince> <organization> <commonName> <password> <outputPath.p12>

Example:

```
./ZXPSignCmd -selfSignedCert US California Adobe "Bruce Bullis"
password certificate.p12
```

Sign your panel

To sign:

```
ZXPSignCmd -sign <inputDirectory> <outputZxp> <p12> <p12Password>
```

Example: This assumes your panel directory, panelDir, is in the same directory as ZXPSignCmd.

```
./ZXPSignCmd -sign panelDir/ PanelName.zxp certificate.p12 password
```

Distribute

You now have a cross-platform .zxp file which Extension Manager can install on any system with PPro installed. Send us a copy!