

This overview introduces the FileInfo SDK for the Extensible Metadata Platform (XMP). Refer to the *XMP Specification* for detailed descriptions of the XMP data model, file type support, and schemas supported in Adobe products.

SDK components

The XMP FileInfo SDK provides an API, documentation, samples, and programming tools that allow you to add customized panels to the File Info dialog box used by Creative Suite® 5 applications to show file metadata. You can create customized File Info panels to give users access to XMP metadata properties of special interest, or to XMP schemas that you have defined. You can also provide XML descriptions of your customized XMP schema, to be interpreted by Adobe Bridge and some video applications, such as Adobe Premiere® Pro.

- ▶ The *XMP FileInfo Programmer's Guide* provides step-by-step instructions for creating your own panels, to enhance your metadata workflow through Adobe applications.
- ▶ Sample panels demonstrate various techniques and provide template Flash® Builder™ projects that you can alter and expand. A Custom Panel Wizard helps you create and debug your own panel project.
- ▶ The Generic Panel creates a simple custom panel automatically, using an XML description of your custom XMP schema.

Downloading the XMP FileInfo SDK

The single ZIP file download can be used in Mac OS® and Windows®. The XMP FileInfo SDK contains these folders and files (locations are relative to the download location, *SDKroot*):

Docs/XMP FileInfo SDK.pdf
Docs/API/index.html

The documentation for the XMP FileInfo SDK.

- ▶ The PDF is the *XMP FileInfo SDK Programmer's Guide*.
- ▶ The `API` folder contains the web-based reference documentation for the XMP component set.



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<code>tools/ com.adobe.xmp.sdk.fileinfo_1.0.2.jar com.adobe.xmp.sdk.fileinfo_fb4_1.1.0.jar</code>	These JAR files contain the Custom Panel Eclipse plug-in for Flex Builder 3 and Flash Builder 4, or for their Eclipse plug-in versions. See installation instructions in the <i>XMP FileInfo SDK Programmer's Guide</i> . (For the standalone version of the Flex/Flash Builder, you must also install the Ant plug-in, which must be obtained separately.)
<code>Generic/</code>	The Generic Panel is a ready-made panel that is automatically customized according to an XML-format schema that you provide.
<code>FileInfoFoundation.swc build.xml</code>	The standalone XMP component library and Ant build script, for use with the free Flex® SDK; see instructions in the <i>Programmer's Guide</i> .
<code>Samples/ panels-src/ panels/</code>	<p>These illustrative sample panels make use of the XMP components. The sample panels are described briefly below, and in more detail in the <i>XMP FileInfo SDK Programmer's Guide</i>.</p> <ul style="list-style-type: none">► The <code>panels-src</code> folder contains the Eclipse projects used to create the panels. You can import them into your Flex Builder workspace.► The <code>panels</code> folder contains the panels themselves, Flash files that result from compiling the projects. You can add the sample panels directly to the user custom-panel folder for your platform: <p>WINDOWS XP: C:\Document and Settings\<username>\Application Data\Adobe\XMP\Custom File Info Panels\3.0\panels</p> <p>WINDOWS 7/VISTA: C:\Users\<username>\AppData\ Roaming\Adobe\XMP\Custom File Info Panels\3.0\panels</p> <p>MAC OS: /Users/<username>/Library/Application Support/Adobe/XMP/Custom File Info Panels/3.0/panels</p>

Tools

These tools are provided:

Custom Panel Wizard

The Custom Panel Eclipse plug-in provides a New Project Wizard that automatically sets up a custom-panel project. The Wizard includes XMP-enabled components in the `FileInfoFoundation.swc` library, that you can use to build your custom panels in the rich Flash Builder development environment.



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Generic Panel

This ready-made panel reads an XML file named `properties.xml` which describes an XMP schema, and automatically customizes itself to provide an interface to those properties. This is the same XML format that Adobe Bridge and Adobe Premiere® use to describe XMP information for their custom metadata display panels. By providing this file, you can make your own XMP properties available in a wide variety of Adobe applications.

NOTE: The Generic Panel offers only limited support for properties defined in XML; it can display only simple XMP properties and comma-separated array lists, with limited layout capabilities. For more complex workflows, it is recommended that you create a custom panel using Flex components.

Sample panels

These sample panels are provided for illustration of techniques, and for use as templates:

LanguagePanel

This sample creates a panel for the File Info dialog that displays contents of the XMP Packet for the examined file, and provides two data grids that allow the user to add or modify localized title values for the `dc:title` property.

BasicControlSamplePanel

This sample demonstrates the main components available for custom File Info panels. It is the basis of a tutorial in the *XMP FileInfo SDK Programmer's Guide*, which explains the usage in detail, and also shows how to extend the sample to store panel states in the preference file.

YahooSearchSamplePanel

This sample enables a user to type a word, search Yahoo and add any results as a keyword entry for the `dc:subject` property. Search results can be added by dragging from the search result area to the keywords area. Once added, a selected keyword can be applied to the XMP using the 'Update selected keyword' button.

FlashFlexPanel

If you have previously developed components or Flash content that you would like to integrate into a File Info panel, this sample shows how to go about it.

This sample demonstrates how to embed a Flash file in a panel definition, using a Flash LocalConnection object to communicate between Flex and Flash; it also shows how to extend the XMP component set to create customized components.

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