

Looking for a very simple Custom...



Guest



Guest **1. Re: Looking for a very simple Custom Language sample plugin** Nov 28, 2008 9:02 PM

Hello Peter,

Why does IntelliJ complain that fileTypeFactory is not allowed in the extentions?

please see/vote for

<http://www.jetbrains.net/jira/browse/IDEA-19849>

<http://www.jetbrains.net/jira/browse/IDEA-19850>

Sascha



Peter Wolf *51 posts since*

Nov 24, 2008 **2. Re: Looking for a very simple Custom Language sample plugin** Nov 28, 2008 9:02 PM

Thanks Sascha,

I'm a bit confused. Dimitry indicated that I should register a file

type through extensions, but the doc below indicates that I should use

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an application component.

Neither one seems to work for me.

http://www.jetbrains.com/idea/plugins/developing_custom_language_plugins.html

Registering a File Type

The first step in developing a custom language plugin is registering a file type the language will be associated with. IDEA determines the type of a file by looking at its extension. Thus, a custom language can only be associated with specific file extensions -- it is not currently possible to create a language which will be applied to files with specific content, like, for example, a specific XML root namespace.

A custom language file type is a class derived from `LanguageFileType`, which passes a `Language` implementation class to its base class constructor. The file type is typically registered in the `initComponent()` method of an application component (class implementing the `ApplicationComponent` interface). The registration of the file type is performed by a call to `FileTypeManager.getInstance().registerFileType()`.

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Example: Registering LanguageFileType for JavaScript

To verify that the file type is indeed registered correctly, you can implement the `LanguageFileType.getIcon()` method and verify that the correct icon is displayed for files which have the extension associated with your file type.

Sascha Weinreuter wrote:

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<http://www.jetbrains.net/jira/browse/IDEA-19849>

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Sascha



Dmitry Jemerov 11,708 posts since

Aug 19, 2002 3. **Re: Looking for a very simple Custom Language sample plugin** Nov 28, 2008 9:31 PM

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Hello Peter,

I'm a bit confused. Dmitry indicated that I should register a file type through extensions, but the doc below indicates that I should use an application component.

Neither one seems to work for me.

http://www.jetbrains.com/idea/plugins/developing_custom_language_plugins.html

This document wasn't updated for IDEA 8.0. An up-to-date version of this document can be found at:

<http://www.jetbrains.net/confluence/display/IDEADEV/DevelopingCustomLanguagePluginsforIntelliJIDEA>

--

Dmitry Jemerov

Development Lead

JetBrains, Inc.

<http://www.jetbrains.com/>

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[Peter Wolf](#) 51 posts since

Nov 24, 2008 4. **Re: Looking for a very simple Custom Language sample plugin** Nov 28, 2008 11:01 PM

Ah ha! Much better.

So registering file types changed in version 8.0? And the samples and documentation have not be updated yet?

Now I am unconfused.

Can you give me a pointer to any version 8 sample custom file type code, complicated or not? JavaScript, Groovy etc. would all be much appreciated.

Dmitry Jemerov wrote:

Hello Peter,

>> I'm a bit confused. Dmitry indicated that I should register a file

>> type through extensions, but the doc below indicates that I should use

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[Dmitry Jemerov](#) *11,708 posts since*

Aug 19, 2002 5. **Re: Looking for a very simple Custom Language sample plugin** Nov 28, 2008 11:01 PM

Hello Peter,

Can you give me a pointer to any version 8 sample custom file type code, complicated or not? JavaScript, Groovy etc. would all be much appreciated.

The code for the Groovy plugin can be found at <http://svn.jetbrains.org/idea/Trunk/bundled/groovy/>

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--

Dmitry Jemerov

Development Lead

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<http://www.jetbrains.com/>

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[Peter Wolf](#) 51 posts since

Nov 24, 2008 6. **Re: Looking for a very simple Custom Language sample plugin** Nov 29, 2008 2:30 AM

Thank you again Dmitry. This is good-- the code and documentation now agree.

However, when I try the plugin.xml from Groovy, I'm still having

"Element fileTypeFactory not allowed here" (and other errors). Do I

need to be using a different IDEA SDK? Perhaps the SDK is also out of

sync with version 8.

Dmitry Jemerov wrote:

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The code for the Groovy plugin can be found at

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Guest [7](#). Re: **Looking for a very simple Custom Language sample plugin** Nov 29, 2008 4:00 AM

On Fri, 28 Nov 2008 18:04:21 -0500, Peter Wolf wrote:

Thank you again Dmitry. This is good-- the code and documentation now agree.

However, when I try the plugin.xml from Groovy, I'm still having

"Element fileTypeFactory not allowed here" (and other errors). Do I

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"Element fileTypeFactory is not allowed here" and similar errors are

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expected and not a cause for concern. If you look at the plug-in DTD you'll see that it doesn't say anything about the content of the element (there's a comment about it being a "relaxed constraint"). This allows plug-ins to define arbitrary extension points of their own that a more constraining DTD would explicitly prevent. For example, I might write a plug-in that supports the "com.codebrewer.foo" extension point, and other plug-ins could then express a dependency on my plug-in and register an implementation of "foo" in the "com.codebrewer" namespace that my plug-in would be able to retrieve. The downside is that 'core' extension points (such as those for registering custom languages) are unknown to a strict validation against the DTD. It just means that IDEA and plug-ins must document externally the extension points they support.

(Note that most of the above was inferred from writing 1) a trivial plug-in that provides extension points; 2) a trivial custom language plug-in, the "colorSettingsPage", "fileTypeFactory" and "syntaxHighlighter" extensions of which show up as errors in plugin.xml but work correctly.)

--

Mark Scott

mark@codebrewer.com

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[Peter Wolf](#) 51 posts since

Nov 24, 2008 8. **Re: Looking for a very simple Custom Language sample plugin** Dec 1, 2008 8:33 PM

Thank you Mark, that is exactly what I needed to know.

I think I am good now 😊

Mark Scott wrote:

On Fri, 28 Nov 2008 18:04:21 -0500, Peter Wolf wrote:

>> Thank you again Dmitry. This is good-- the code and documentation now

>> agree.

>>

>> However, when I try the plugin.xml from Groovy, I'm still having

>> "Element fileTypeFactory not allowed here" (and other errors). Do I

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>> sync with version 8.

"Element fileTypeFactory is not allowed here" and similar errors are expected and not a cause for concern. If you look at the plug-in DTD you'll see that it doesn't say anything about the content of the <extensions> element (there's a comment about it being a "relaxed

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[StanAccy](#) 495 posts since

Mar 18, 2003 9. **Re: Looking for a very simple Custom Language sample plugin** Feb 5, 2010 10:57 PM

This link doesnt go anywhere anymore (like a lot of others).

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The documentation for the SDK is inadequate at best. No JavaDocs for the PluginSDK out of the box, no obvious place to get it, no simple code samples - just the usual response of "go check out the Javascript or Groovy plugin".

Is JetBrains really expecting a significant up-tick in plugin development now that things are open source?



Dmitry Jemerov 11,708 posts since

Aug 19, 2002 10. **Re: Looking for a very simple Custom Language sample plugin** Feb 8, 2010 1:42 PM

Hello Nick,

This link doesnt go anywhere anymore (like a lot of others).

The documentation for the SDK is inadequate at best. No JavaDocs for the PluginSDK out of the box, no obvious place to get it

Since you can get far more useful information from the source code than from the JavaDocs that we had, there's no longer much sense in publishing the JavaDocs. Just go and grab the source.

--

Dmitry Jemerov

Development Lead

JetBrains, Inc.

<http://www.jetbrains.com/>

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