

# Project view - file type icon...

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[StanAccy](#) 495 posts since

Mar 18, 2003

How do I set a different icon for a particular file type that has specific content?

Specifically, I'm trying to set a custom icon for an in-house XML file (similar to how the IDEA plugin icon is different than a regular XML file icon).

The file typically is located at a known place in the directory structure and has a known name, but ideally I'd like to be able to check for the existence of an in-house XML element (so any \*.xml file with the right contents will have the custom icon)

After a Google search, it looks like IconProvider has something to do with it, but I didn't find anything about how to register this new IconProvider with IDEA and I didn't see anything about checking the contents of the file.

What are the specifics for the icon (size, format and number of colors)?

Regards

Nick



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

Aug 19, 2002 1. **Re: Project view - file type icon customization** Feb 8, 2010 1:34 PM

Hello Nick,

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Yes, IconProvider is the right API in this case. The implementation is registered as an extension in the iconProvider extension point. You need to check whether the PSI element passed to your IconProvider is an XmlFile, and if it is, use the XML PSI to check if you need to change the icon.

The icons are 16x16, the format and number of colors doesn't matter.

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Original message URL:

<http://www.jetbrains.net/devnet/message/5256092#5256092>

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Dmitry Jemerov

Development Lead

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

"Develop with Pleasure!"



Frank Wienberg 22 posts since

Oct 2, 2002 2. **Re: Project view - file type icon customization** Apr 14, 2010 11:30 AM

For everybody who likes example code, here is some that works for my plugin:

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```
package net.jangaroo.ide.idea.exml;

import com.intellij.ide.IconProvider;
import com.intellij.openapi.util.IconLoader;
import com.intellij.psi.PsiElement;
import com.intellij.psi.PsiFile;
import org.jetbrains.annotations.NotNull;

import javax.swing.Icon;

/**
 * Provides a custom icon for *.exml files.
 */
public class ExmlIconProvider extends IconProvider {

    private static final String EXML_ICON_URL = "/net/jangaroo/EXML-logo-16x16.png";

    public Icon getIcon(@NotNull PsiElement psiElement, int flags) {
        PsiFile containingFile = psiElement.getContainingFile();
        if (containingFile != null && containingFile.getName().endsWith(".exml")) {
            return IconLoader.getIcon(EXML_ICON_URL);
        }
        return null;
    }
}
```

The icon has to be packaged as a resource into the plugin jar.

plugin.xml fragment:

```
<extensions defaultExtensionNs="com.intellij">
  <iconProvider implementation="net.jangaroo.ide.idea.exml.ExmlIconProvider"/>
</extensions>
```