

Supporting scripting languages in IGB

You can add support for new scripting languages via plugins that implement JSR-223.

To create a plugin for a scripting language, find a `ScriptEngine` implementation for the language, and include it in the plugin with an implementation of the `ScriptProcessor` interface. Then in the plugin Activator `start()` method, include the line:

```
ScriptProcessorHolder.getInstance().addScriptProcessor(new MyScriptProcessor());
```

Note that OSGi is not compatible with the java Service Provider framework, so the usual way of getting the `ScriptEngineFactory`, `ScriptEngineManager.getEngineByName(name)` or `ScriptEngineManager.getEngineByExtension(extension)` does not work. Instead, the `ScriptProcessor` has a method:

```
public ScriptEngineFactory getScriptEngineFactory();
```

that returns the `ScriptEngineFactory`. You can find the `ScriptEngineFactory` implementation by looking in the `META-INF/services/javax.script.ScriptEngineFactory` file. You may be able to just call the no parameter constructor.

There are several JSR-223 scripting language implementations at <http://java.net/projects/scripting>, but you can find them elsewhere.