



### Installation:

Xtext is an Eclipse framework, it can be installed into your Eclipse installation using the site as follows:

<http://download.eclipse.org/modeling/tmf/xtext/updates/composite/releases>

Just copy this URL into the dialog you get when you navigate to **Help | Install New Software**

Navigate to the **Xtext** category and select the **Xtext Complete SDK** feature.

### Creating a Project:

Start Eclipse and navigate to **File | New | Project...** in the dialog, navigate to the Xtext category and select **Xtext Project**. In the next dialog, you can leave all the defaults and press Finish

The wizard will create several Eclipse projects and will open the file `MyDsl.xtext`, which is the grammar definition of the new DSL we are about to implement.

### Starting the project:

Now, it is time to start the first Xtext generation, so navigate to the file `MyDsl.xtext` in the `org.xtext.example.mydsl` project, right-click on it, and navigate to **Run As | Generate Xtext Artifacts**.

Wait for the files to be downloaded, and once you read *Done* in the console, the code generation phase is finished, and you will note that all the projects now contain much more code.

Your DSL implementation is now ready to be tested! Since what the wizard created for you are Eclipse plug-in projects, you need to start a new Eclipse instance to see your implementation in action. To do so, right-click on the `org.xtext.example.mydsl` project and navigate to **Run As | Run Configurations...** in the dialog, select **Eclipse Application**, and then the New button to create a new launch configuration. Select it and click on *Run*.

A new Eclipse instance will be run and a new workbench will appear. In this instance, your DSL implementation is available. Make sure you are using the Plug-in Development perspective or the Java perspective (you select the perspective with **Window | Perspective | Open Perspective**). Let's create a **new General** project (**File | New | Project... | General | Project**) and call it, for instance, `sample`. Inside this project, create a *new file* (**File | New | File**); the name of the file is not important, but the file **extension** must be `mydsl` (remember that this was the extension we chose in the Xtext new project wizard). As soon as the file is created, it will also be opened in a text editor, and you will be asked to convert the project to an Xtext project. You should accept that to make your DSL editor work correctly in Eclipse.