

BPSTS-IQ Framework Installation Manual

The Framework requires

- 1- Sirius project that enables for modeling the requirements models;
- 2- Aceleo project (Model-to-Text Transformation) that enables for transforming the requirements models into formal Datalog language.

Constructing your framework:

- 1- Open Eclipse framework;
- 2- Import BPSTS-IQ-design.zip (File-> Import -> Existing Projects into Workspace);

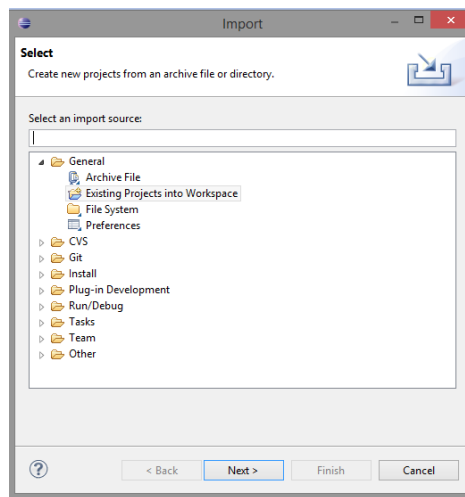


Figure 1

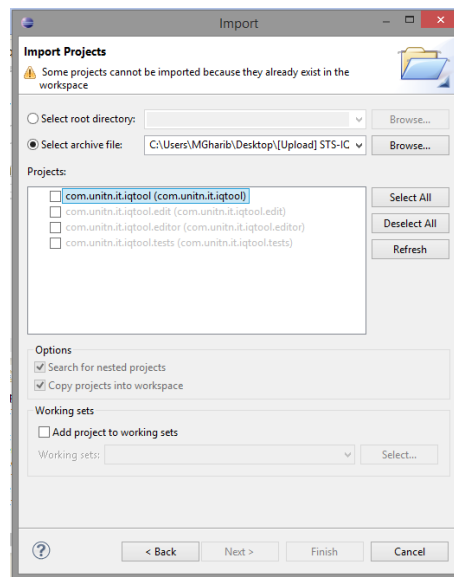


Figure 2

3- Run configuration (right click on com.unitn.it.iqtool file and chose run configuration);

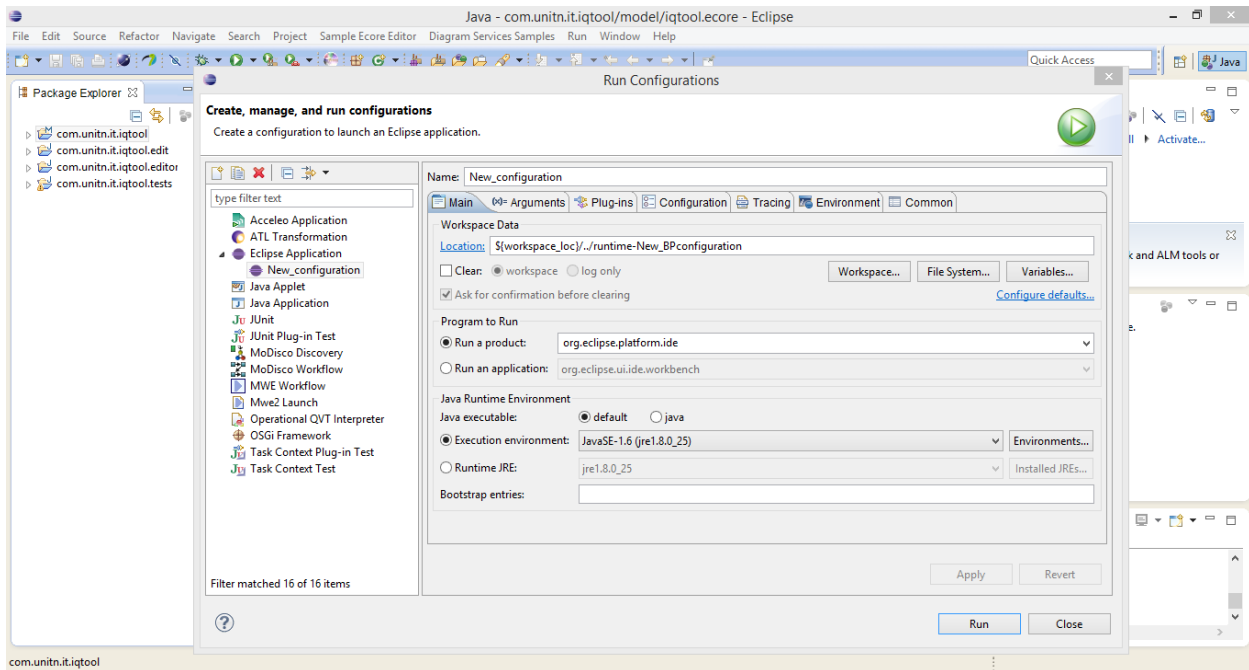


Figure 3

In the resulting Eclipse framework,

1- Open Sirius perspective (Windows-> Open Perspective-> Other);

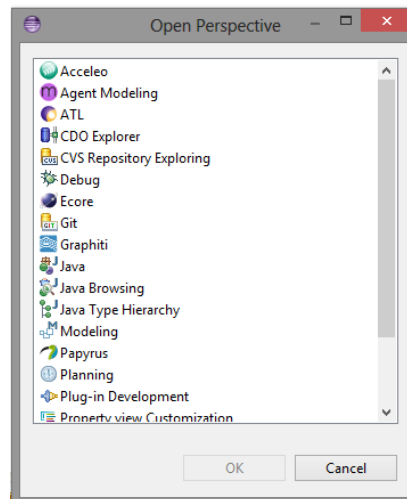


Figure 4

2- Import BPSTS-IQ-runtime.zip that includes the following projects (File-> Import -> Existing Projects into Workplace)

- com.unitn.it.dlv

- com.unitn.it.iqtool
- com.unitn.it.iqtool.design
- com.unitn.it.iqtool.generator

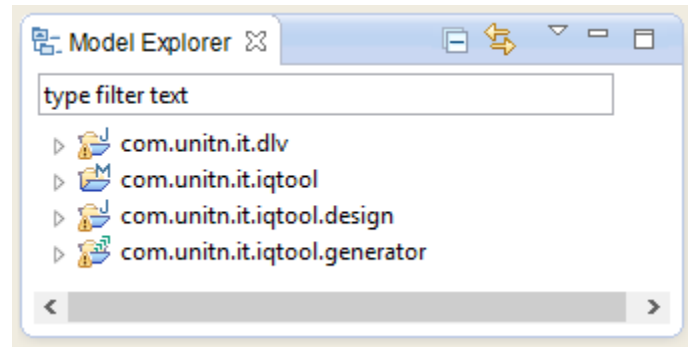


Figure 5

- 3- Press the (new Design Diagram shown in Figure 6) and your modeling framework will open (Figure 7), where you can draw the requirements diagrams;

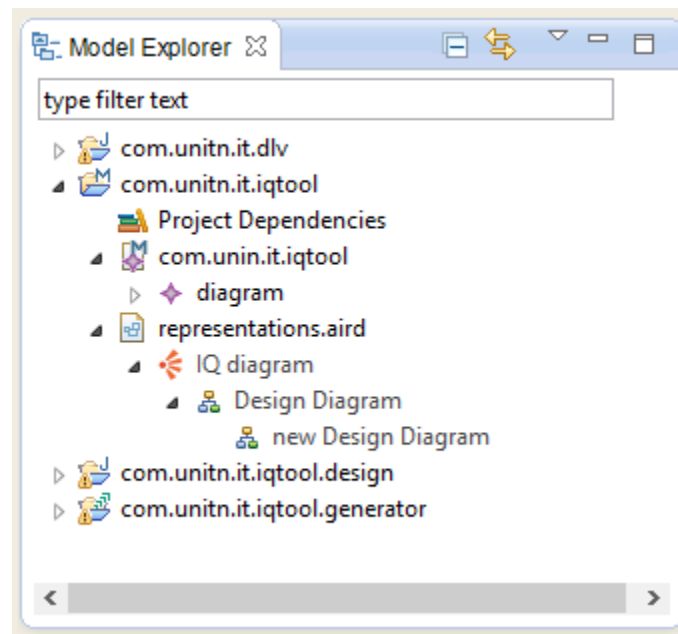


Figure 6

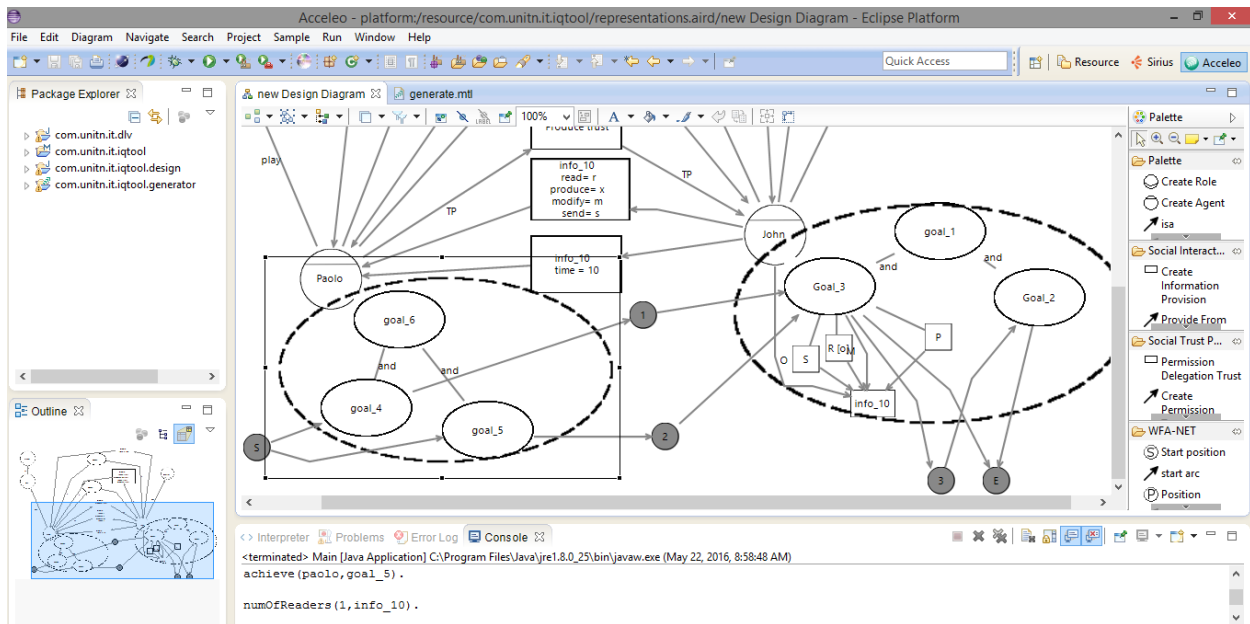


Figure 7

- 4- Open Acceleo perspective then Run configuration (Figure 8) – add Acceleo new configuration and fill it as in figure 9, and then press run;

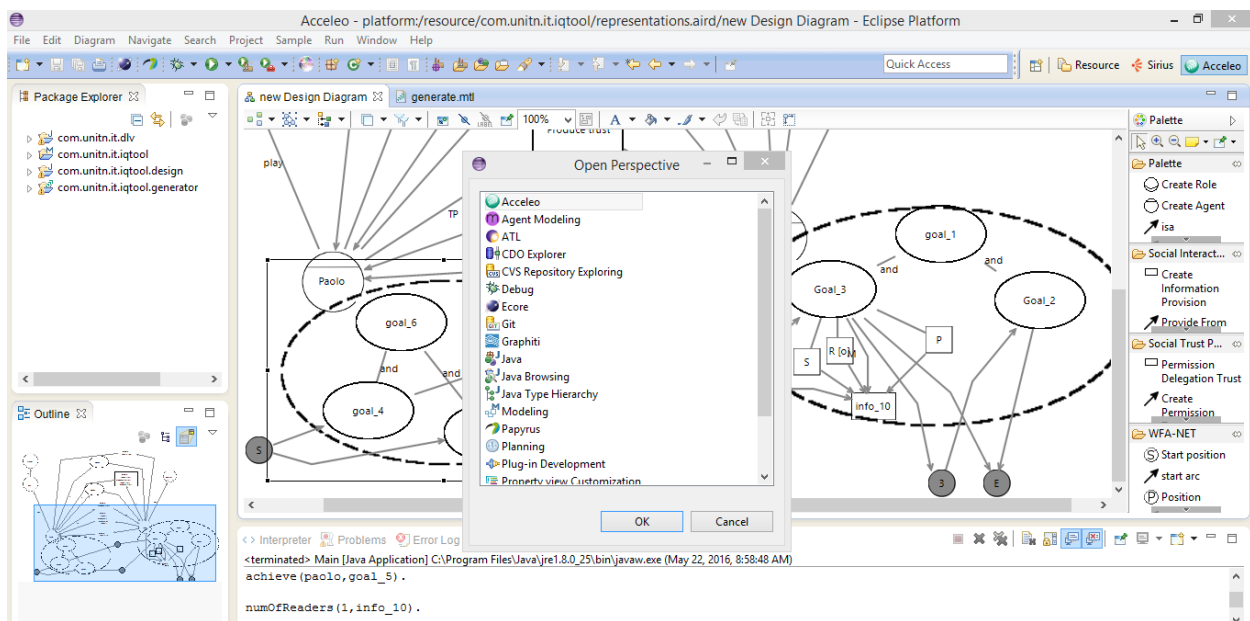


Figure 8

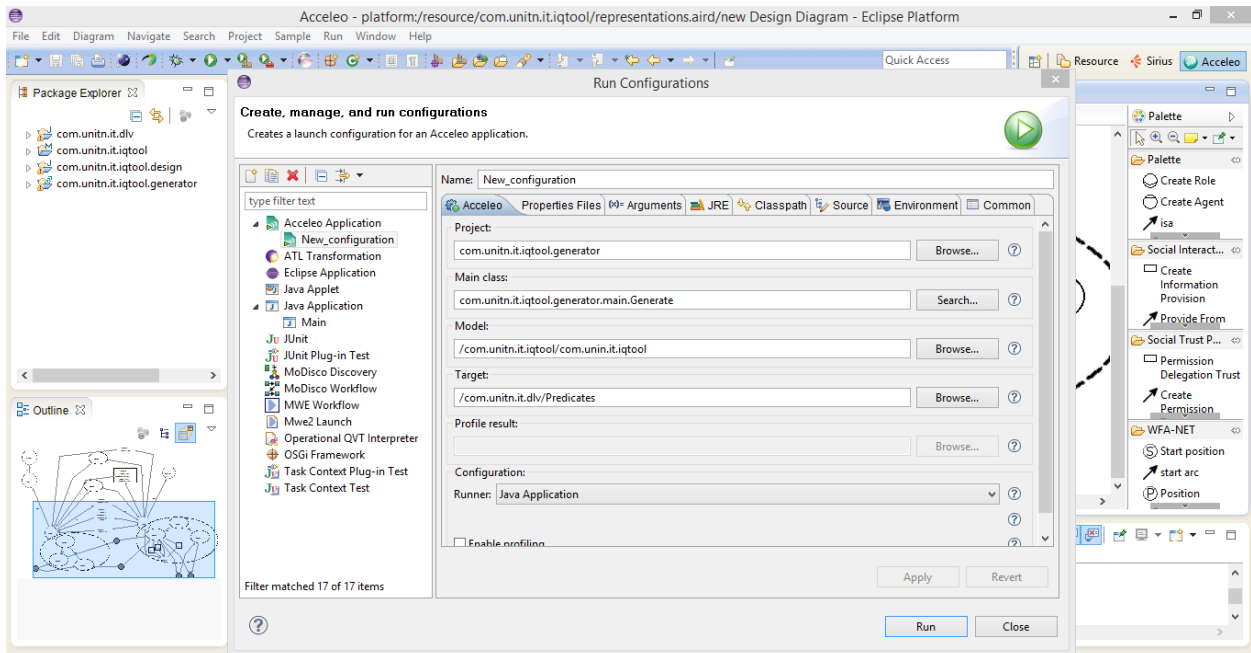


Figure 9

- 5- Run DlvProject will verify the requirements model you created, you can run it as Java Application (Figure 10);

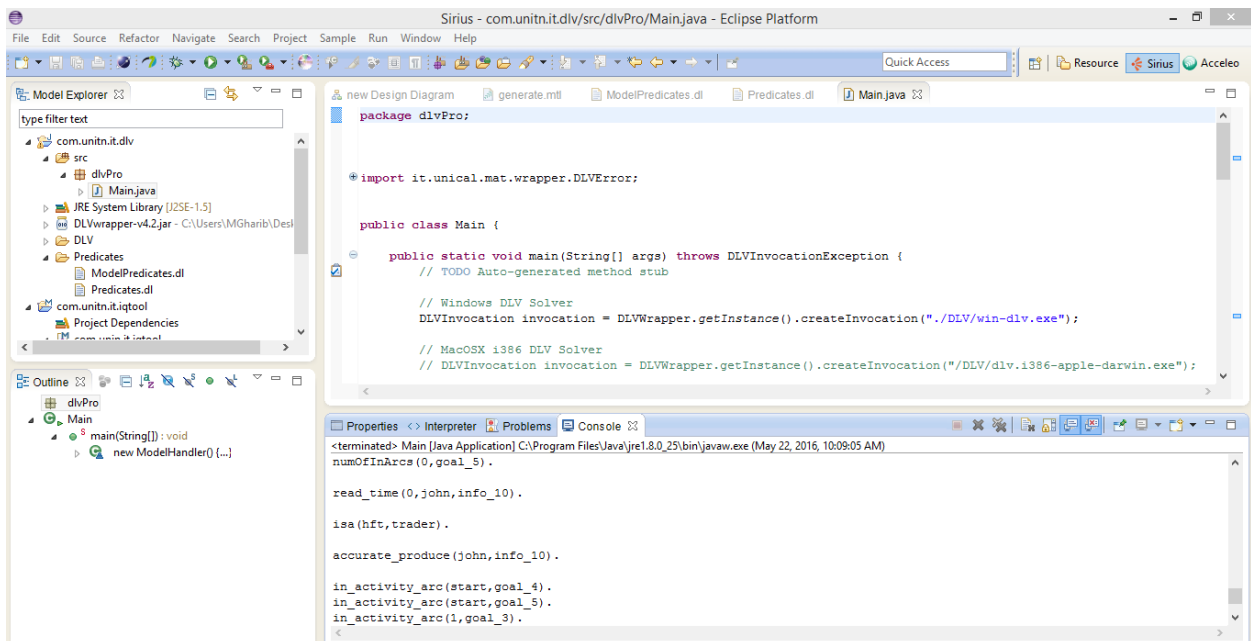


Figure 10