BPSTS-IQ Framework Installation Manual

The Framework requires

- 1- Sirius project that enables for modeling the requirements models;
- 2- Acceleo 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 Workplace);



Figure 1

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Figure 2

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

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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

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Figure 9

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

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