

7.4 Large product suite

ID: XXX

Component: MOSKitt4ME

Service name: Large product suite

Domain: Open Source

Partner: UPV

Actions / Dates

Date	Action
May 2010	MOSKitt4ME has been developed upon the MOSKitt platform

Description:

MOSKitt4ME has been developed upon the MOSKitt platform, a free CASE tool, built on Eclipse to support the gvMétrica methodology (the methodology followed by the Valencian regional government for the development of software). Specifically, MOSKitt4ME has been developed upon Eclipse distributions containing tool support to MDE (i.e., EMF, GMF, etc.). Initially, MOSKitt4ME was developed for Galileo [1] (Eclipse 3.5.2). Then, a new version of MOSKitt4ME including new features and more stable was migrated to Indigo [2] (Eclipse 3.7.2). In addition, MOSKitt4ME integrates a set of tools in order to give support to the methodological framework provided for the definition of software production methods. These tools are:

- **EPF Composer 1.5.1.1 [3]**. Editor for the definition of software methods using SPEM. In this case the same version of the tool was used for Galileo and Indigo.
- **Activiti [4]**. Eclipse BPMN 2.0 Designer project provides the necessary functionality to design BPMN 2.0 processes and run these processes on the Activiti Engine.
 - For the Galileo version the Activiti 5.5 was used.
 - For the Indigo version the Activiti 5.8 was used.
- **Graphiti [5]**. Eclipse-based graphics framework that enables rapid development of state-of-the-art diagram editors for domain models. Graphiti can use EMF-based domain models very easily but can deal with any Java-based objects on the domain side as well. This tool is required by Activiti.
 - For the Galileo version the Graphiti 0.7.3 was used.
 - For the Indigo version the Graphiti 0.8.2 was used.

Moreover, since one of the MOSKitt4ME capabilities is the semiautomatic construction of CASE tools supporting software production methods defined in SPEM+BPMN, the generated CASE tool integrates the set of required Eclipse-based components to support the execution of such methods.

Conclusions:

- MOSKitt4ME can be easily integrated in any Eclipse platform (it was successfully integrated into the Galileo and Indigo versions). In addition, it is prepared to integrate eclipse-based components without any major effort. However, the integration of non eclipse-based components is still not supported.

References:

- [1] <http://www.eclipse.org/downloads/packages/release/galileo/sr2>
- [2] <http://www.eclipse.org/downloads/packages/release/indigo/sr2>
- [3] <http://www.eclipse.org/epf/>
- [4] <http://activiti.org/>
- [5] <http://www.eclipse.org/graphiti/>

