



## **ArgoUML AndroMDA Module v.0.4**

**Project Documentation**

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## 1.1 Main

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### Overview

This is an ArgoUML module which allow the user to run **Maven** on an **AndroMDA** model from inside ArgoUML.

The module also provide features for setting environment variables before running Maven and to create new AndroMDA project via a wizard dialog.

## 1.2 Deliverables

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### Distributions

The following distributions of the ArgoUML AndroMDA module are availables:

- [argouml-andromda-module-0.4.zip](#) - Zipped binary distribution

## 1.3 Documentation

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## 1.3.1 Installation

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### Installation

To install the module into your local ArgoUML installation:

Retrieve the module from the website and extract it in the `${ARGOUML_HOME}/ext` folder.



## 1.3.2 Configuration

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### Setup

To use the module with UML models generated by the **maven:andromdapp** plugin, you need to use the version of MDR shipped with AndroMDA.

To install the libraries, do the following:

- Create a temporary folder and move into it the files **jmiutils.jar**, **mdrapi.jar**, **nbmdr.jar**, **openide-util.jar** shipped with ArgoUML
- The MDR libraries of AndroMDA are located in the folder **\${ANDROMDA\_HOME}/lib/mdr/jars**. Copy the files contained in this folder in the folder where is installed ArgoUML.
- Rename the MDR libraries in the folder of ArgoUML so they doesn't have a timestamp extension (like -20050630) and have the same name than the originals shipped with Argo

***\${ANDROMDA\_HOME}** represent the folder where is installed AndroMDA on your computer.*

### 1.3.3 Usage

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#### Create a new project

This fonctionnality help you create a new AndroMDA project from inside ArgoUML. To use it, select the menu **tool** and then the menu item **Create new Project**.

*When you click on the **Create new project item** a dialog appear on the screen.*

Use the buttons **Next** and **Previous** to navigate among the screens of the dialog.

Use the button **Finish** in the last screen of the dialog to validate your choices and launch Maven.

The first screen of the dialog allow toe set general properties of the project:

Project - 1/3

Please enter your first and last name (i.e Mickey Mouse):  
Ludovic Maitre

Please enter the name of your J2EE project (i.e. Animal Quiz):  
Real Air Time

Please enter the id for your J2EE project (i.e. animalquiz):  
rta

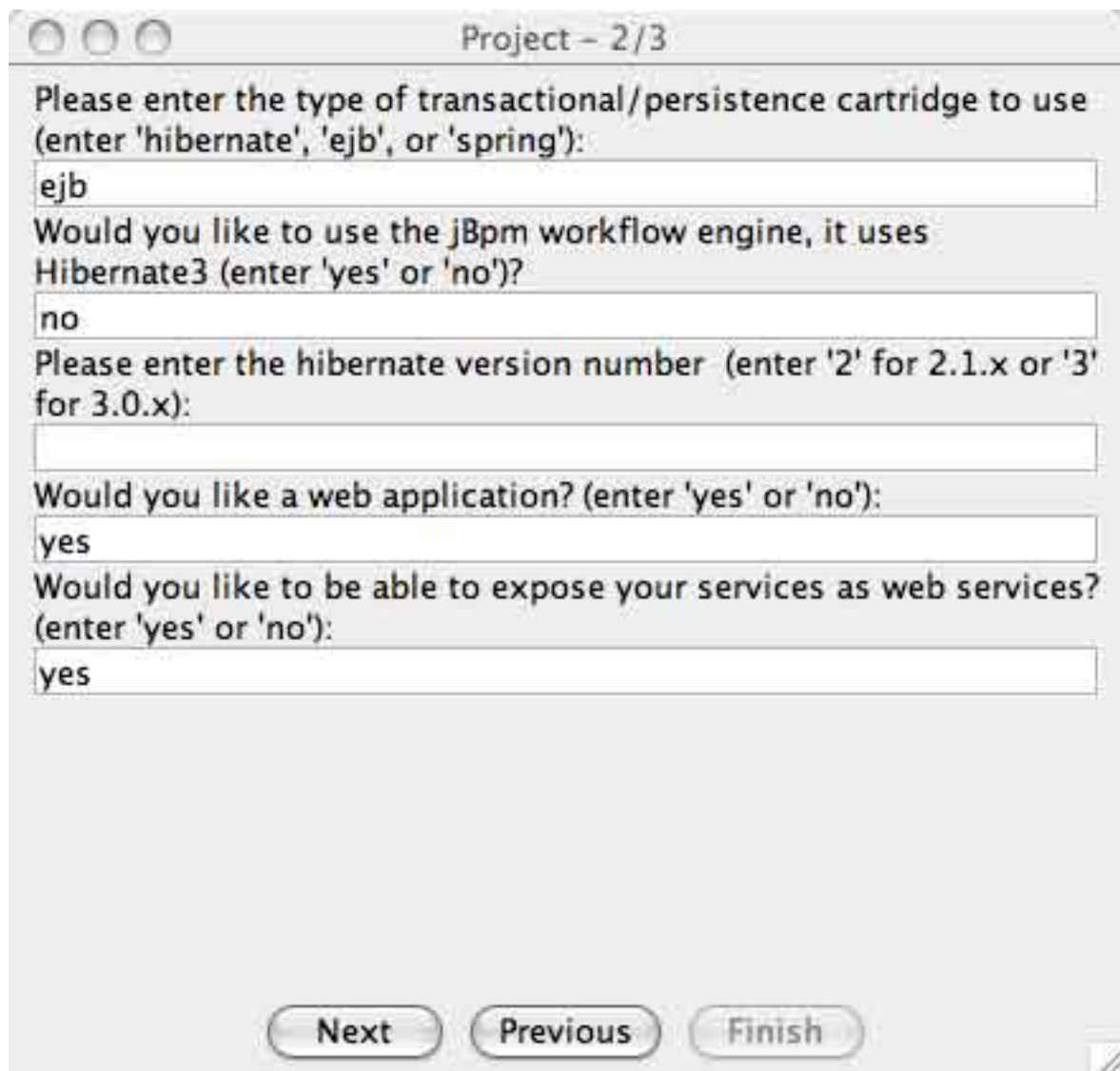
Please enter a version for your project (i.e. 1.0-SNAPSHOT):  
1.0

Please enter the base package name for your J2EE project (i.e. org.andromda.samples):  
com.ubik-products.rta

Would you like an EAR or standalone WAR (enter 'ear' or 'war')?  
ear

Next Previous Finish

The second screen of the dialog allow to set properties of the project:

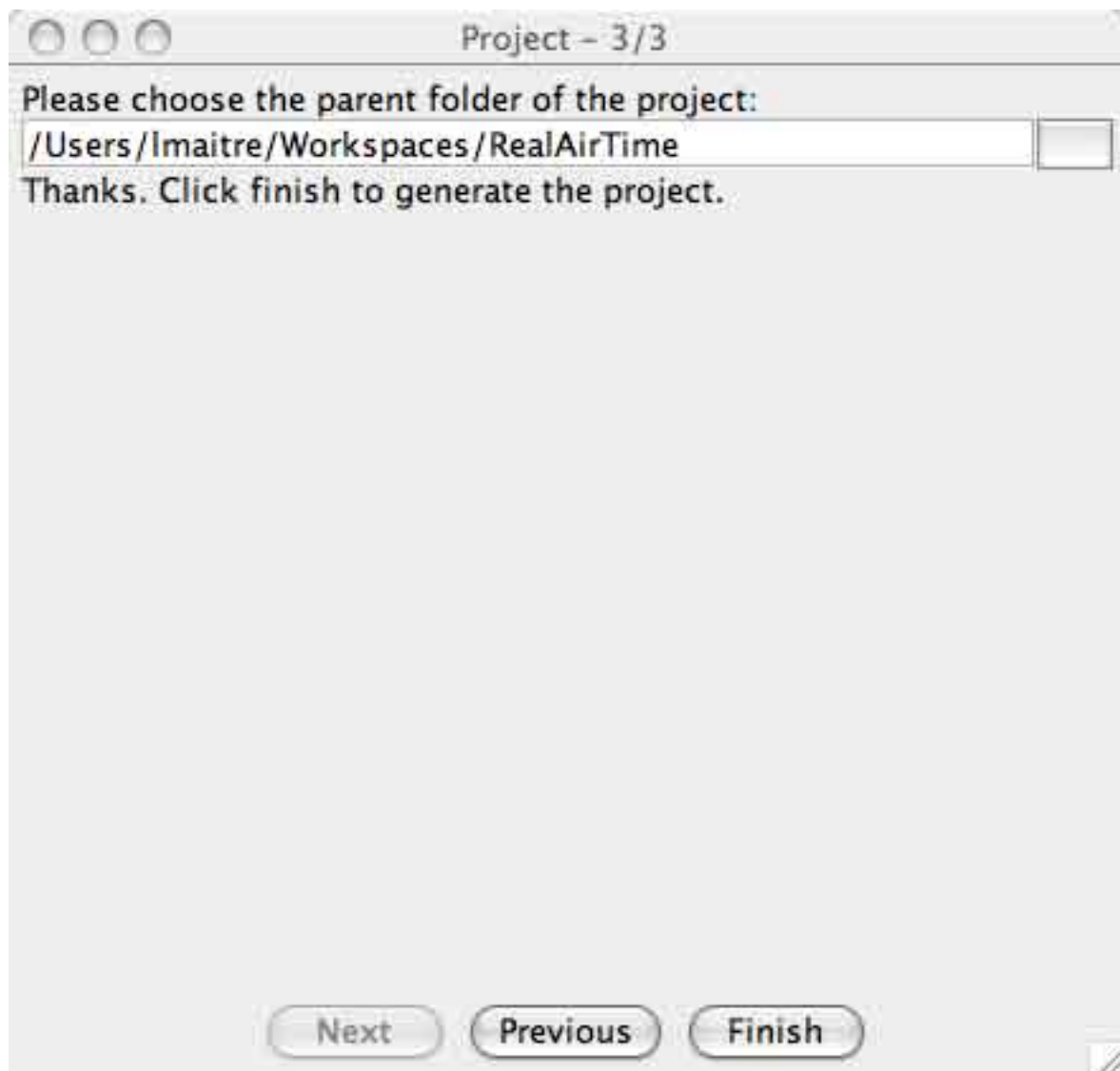


The screenshot shows a window titled "Project - 2/3" with a light gray background. It contains five text input fields with the following prompts and user entries:

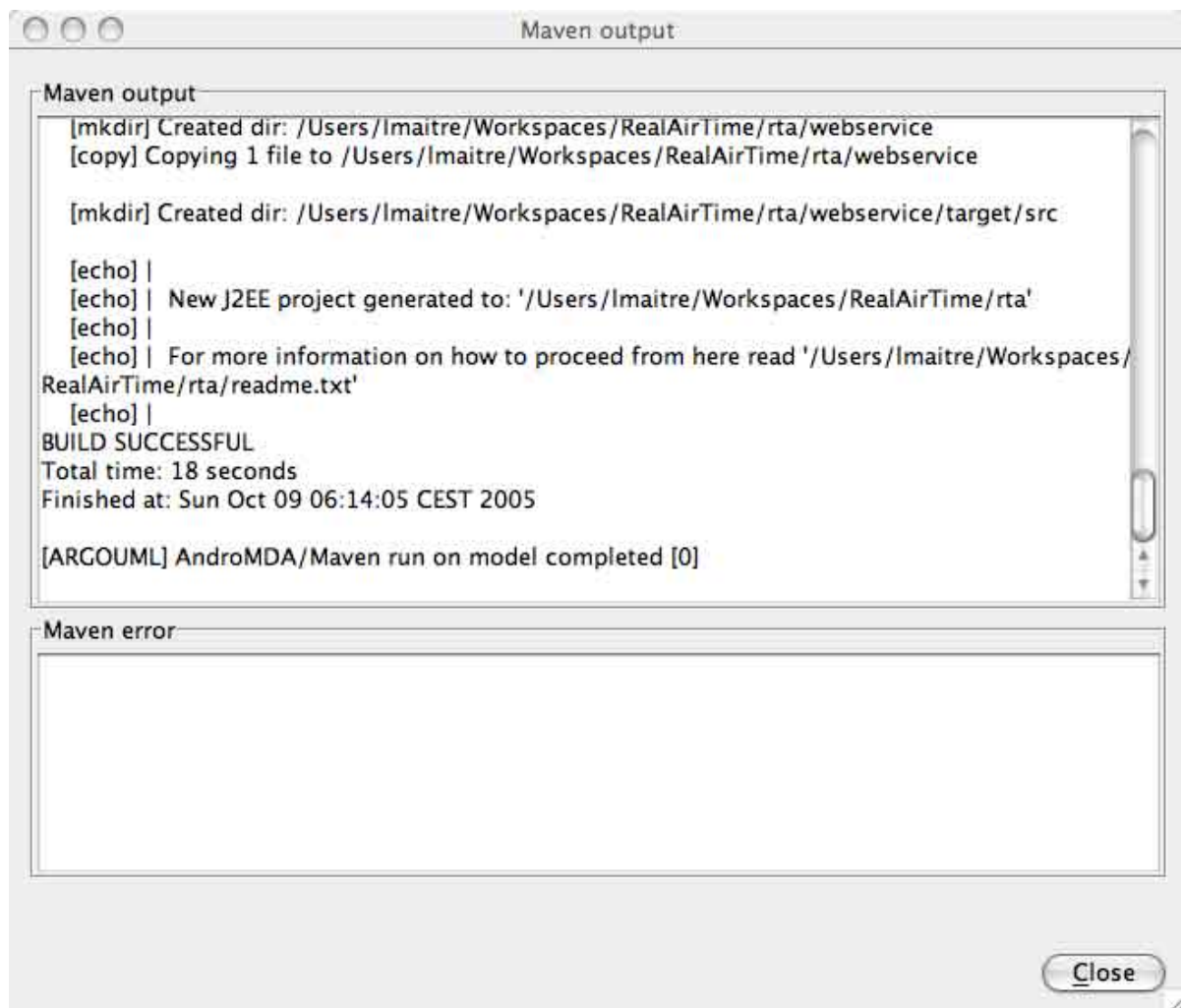
- Prompt: "Please enter the type of transactional/persistence cartridge to use (enter 'hibernate', 'ejb', or 'spring'):"  
Entry: "ejb"
- Prompt: "Would you like to use the jBpm workflow engine, it uses Hibernate3 (enter 'yes' or 'no')?"  
Entry: "no"
- Prompt: "Please enter the hibernate version number (enter '2' for 2.1.x or '3' for 3.0.x):"  
Entry: (empty)
- Prompt: "Would you like a web application? (enter 'yes' or 'no'):"  
Entry: "yes"
- Prompt: "Would you like to be able to expose your services as web services? (enter 'yes' or 'no'):"  
Entry: "yes"

At the bottom of the window, there are three buttons: "Next", "Previous", and "Finish". The "Next" button is highlighted with a darker gray background.

The third screen of the dialog allow to set general properties of the project:



The fourth screen of the dialog allow to choose the folder where will be generated the project:



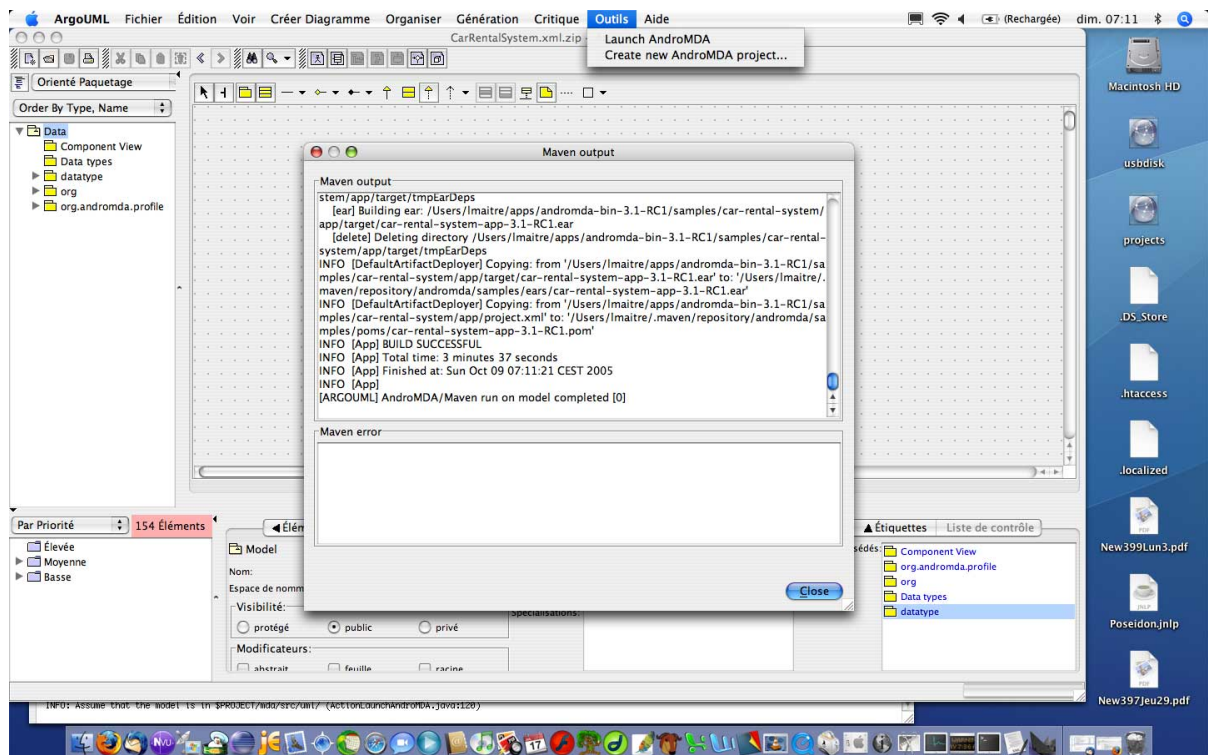
To launch the creation of the project by Maven, click on the **Finish** button.

*After having clicked on the **Finish** button, a window presenting the output of the Maven process appear.*

## Launch Maven on current project

This functionality launch Maven on the current model. To use it, save your project in XMI and select the menu **Tool** and then the menu item **Launch Maven**.

*When you click on the **Create new project item** a dialog appear on the screen.*



Use the buttons **Close** to hide the Maven output. Artifacts for the project are now generated and you can see them in subfolders of the project root.

## 1.3.4 Options

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### Options and settings

To be written.



## 1.3.5 Bugs and limitations

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### Limitations

There is at least the following limitations:

- Loading and saving isn't automatic when using the AndroMDA module functions.
- Inputs are only textfield in the wizards.
- There is no way to configure the Maven launch for the moment.

### Known bugs

The following bugs are known:

- Sometimes the **Create new project** wizard is displayed at startup.

## 1.3.6 **Todo**

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### **Todo**

The following features are not developed now but should be in the near future:

- Automatic save and load of the current model when doing an AndroMDA related action.
- Extended launch mode which allow to specify which cartridge to use before running Maven.
- Parameters of the cartridges