

oAW 4 Installation

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Download

From the openarchitectureware.org site you can find links to download the various oAW4 packages. Please get the respective ZIP files from there. The following table explains the contents of the various packages; for each package, we distribute a single ZIP file.

Package	Description	Depends on ...
oaw-core	Workflow Engine, EMF integration, Xpand 2 Engine, Wombat Engine	oaw-core
oaw-core-plugins	Eclipse-based IDE support, including the Xpand 2 Editor	
oaw-classic	Support for the classic oAW, incl. Metamodel Generator, the "old" instantiators, IDE support	oaw-core
oaw-adapter	Adapters to various 3 rd party tools such as OCL checks and ATL integration	oaw-core
oaw-recipe	Recipe Framework incl. IDE support	
oaw-documentation	Docs	

Prerequisites

This tutorial expects that you use oAW4 with Eclipse. This is not strictly necessary, however, as a consequence of the Eclipse IDE integration it certainly makes a lot of sense. Consequently, we expect that you have **Eclipse 3.1** installed, including **EMF 2.1**. You will have to install additional packages (such as Eclipse GMT ATL or Kent OCL) for specific scenarios. Take a look at the *oclExample* and *atlExample* documentations for details on what to install, and how.

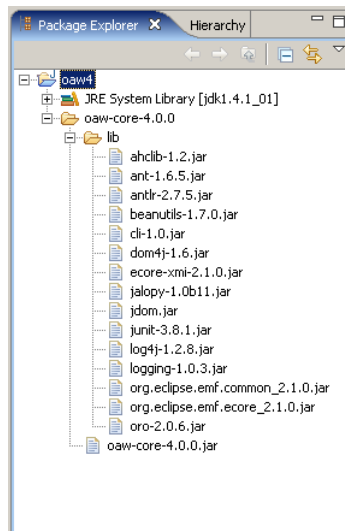
Minimal Installation

Plugins

As a first step, please download the *oaw-core-plugins* package. Extract the contents into your Eclipse directory. The ZIP contains a *plugins* and a *features* directory that contains all the necessary oAW core plugins. Extracting the ZIP will put them into the correct place in you Eclipse installation.

Core

In addition to the plugins, you need a couple of JAR files accessible to your application projects. We propose to install them into a project in your Eclipse workspace. You might want to call that project *oaw4*. Then please extract the *oaw-core* package into that project. This will result in the following workspace structure.



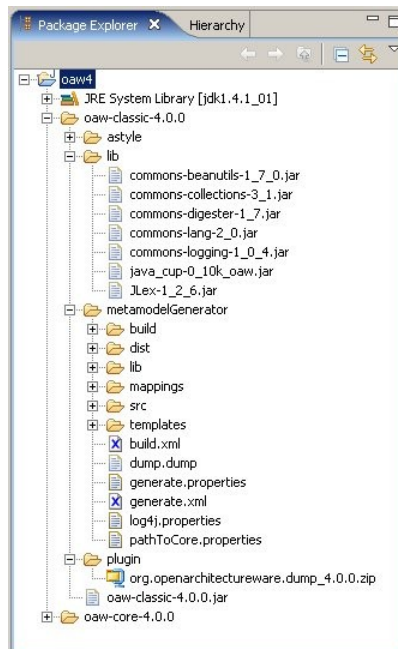
You are now ready to run the first examples.

Classic Installation

Note that the documentation for *oaw-classic* assumes that you have been working with version 3 of openArchitectureWare before and are familiar with oAW 3 concepts and tools.

Beside the “old” stuff, the *classic* package contains also the whole UML/XMI and XML instantiator handling.

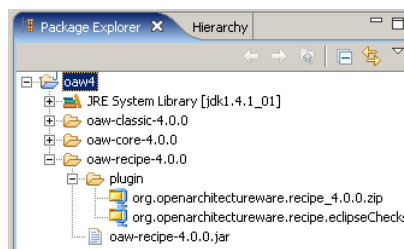
In case you want to use oAW 4 Classic, you have to download the *oaw-classic* package. Again, make sure you extract that ZIP file into the same workspace project you created above. As a consequence, your workspace (and the *oaw4* project) should look as follows:



The *oaw-classic-4.0.0/astyle* directory contains the astyle pretty printer that you might want to use after code generation. Inside the *lib* directory, you'll find the libs which the *oaw-classic* requires in addition to those already delivered by *oaw-core*. In *metamodelGenerator*, you can find the metamodel generator that should be well known from version 3 – it's basically unchanged. Finally, the *plugin* directory contains the dump browser plugin. Please open the ZIP file and extract it into your Eclipse directory.

Recipe Installation

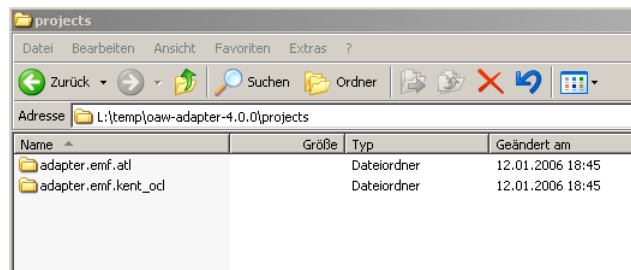
The recipe framework is independent of oAW 3 or 4. To install it, please download the *oaw-recipe* package. Again, please extract the package into the *oaw4* project in your workspace. That project looks as follows:



To install the IDE support, please extract the two ZIP files in the *plugin* directory into your Eclipse installation. Again, the ZIP files contain the *plugins* directory, so make sure you extract the ZIPs into the Eclipse root directory.

Adapter Installation

The adapter package is called *oaw-adapter*. Please download it from the openarchitectureware.org web site. The respective ZIP file should be extracted **not** into the *oaw4* project in the workspace. Rather, extract it to some temporary directory. This then looks as follows:



Depending on the adapters you actually need, the two (or in future releases, more) projects, should be copied into your application development Eclipse workspace, right **next** to the *oaw4* project we used before, not into it! Also, you might need additional Eclipse plugins (such as ATL) for the adapters to work. Please take a look at the respective tutorials for details (*atlExample*, *oclExample*).

After importing these two new projects, you might get a number of compile errors, because the dependencies in these projects cannot be resolved; the respective Eclipse classpath variables have to be set. The following table shows, which variables you have to set, and where they have to point to:

Variable	... points to
OAW_CORE	oaw4/oaw-core-4.x.x
OAW_LIB	oaw4/oaw-core-4.x.x/lib

Also, to use the ATL adapter, you have to install ATL first. Take a look at the *atlExample* documentation for details. For using the Kent OCL adapter, you have to install Kent OCL. See the *oclExample* for details.

Documentation

To have easy access to the documentation, you might want to install the docs into your *oaw4* project, too. Download the respective package and extract it into the *oaw4* project in your workspace. Since you are already reading this document, it's likely that you have already downloaded the documentation package ☺

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