

Installation of ADT from source

1- Install Eclipse and EMF

In order to use ADT (ATL Development Tools), you need Eclipse and EMF. ADT has been developed with and for Eclipse 3.0.x. ADT may be compatible with other versions. You can download Eclipse here: <http://www.eclipse.org/downloads/> and EMF here: <http://www.eclipse.org/emf/>.

Unzip the Eclipse zip file; this will create an eclipse directory with every Eclipse files in it. Unzip the EMF zip file from the same directory (it also contains an eclipse directory, with the EMF additional files to Eclipse).

When you have finished to install Eclipse and EMF, you can run it.

2- Configuration of CVS access

You should go to CVS Repository view (**Window -> Open Perspective**). Then you should add a new repository location. The required parameters are the followings:

Add CVS Repository

Add a new CVS Repository

Location

Host: dev.eclipse.org

Repository path: /home/technology

Authentication

User: anonymous

Password:

Connection

Connection type: pserver

☒ Use Default Port

☐ Use Port:

☒ Validate Connection on Finish

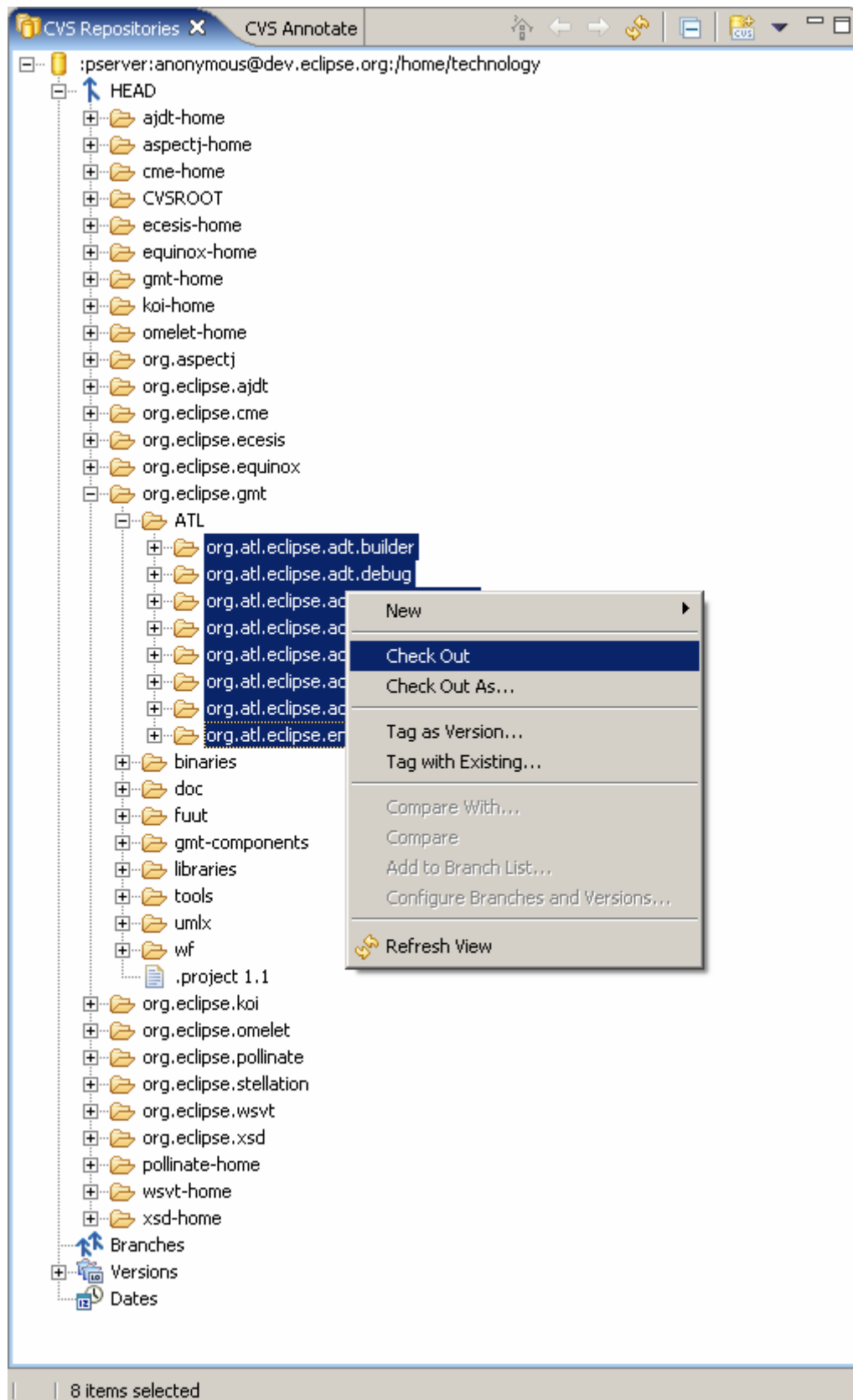
☐ Save Password

Warning: Saved passwords are stored on your computer in a file that's difficult, but not impossible, for an intruder to read.

Finish Cancel

You do not need a password.

Then, you can go to **HEAD** -> **org.eclipse.gmt** -> **ATL** and select the thirteen projects of the folder ATL and check them out (this action is available in the context menu).



The thirteen projects are the followings:

- org.atl.eclipse.adt.builder
- org.atl.eclipse.adt.debug
- org.atl.eclipse.adt.doc.developer
- org.atl.eclipse.adt.doc.user
- org.atl.eclipse.adt.editor
- org.atl.eclipse.adt.perspective
- org.atl.eclipse.adt.wizard
- org.atl.eclipse.engine
- org.atl.eclipse.km3
- org.atl.eclipse.mgm
- org.atl.engine.vm
- org.atl.engine.repositories.emf4atl
- org.atl.engine.repositories.mdr4atl

3- Configuration of ADT

Now, you need to go to the Plug-in perspective. Some external libraries are required for the plug-in **org.atl.eclipse.engine** and **org.atl.engine.repositories.mdr4atl** but not available on the CVS repository (a README file is available in this plug-in). You need to download the jar files into the **lib/** directory of these projects.

Download ANTLR 2.7.5 from <http://antlr.org/> and put **antlr.jar** into **lib/** of plugin **org.atl.eclipse.engine**.

Download **mdr-standalone.zip** from <http://mdr.netbeans.org/download/> and put the included jar files into **lib/** of plugin **org.atl.engine.repositories.mdr4atl**.

Note that mdr-standalone.zip is updated more often on the MDR website than in our development source. As a consequence, bugs may appear when using the last-in-date mdr-standalone version of MDR.

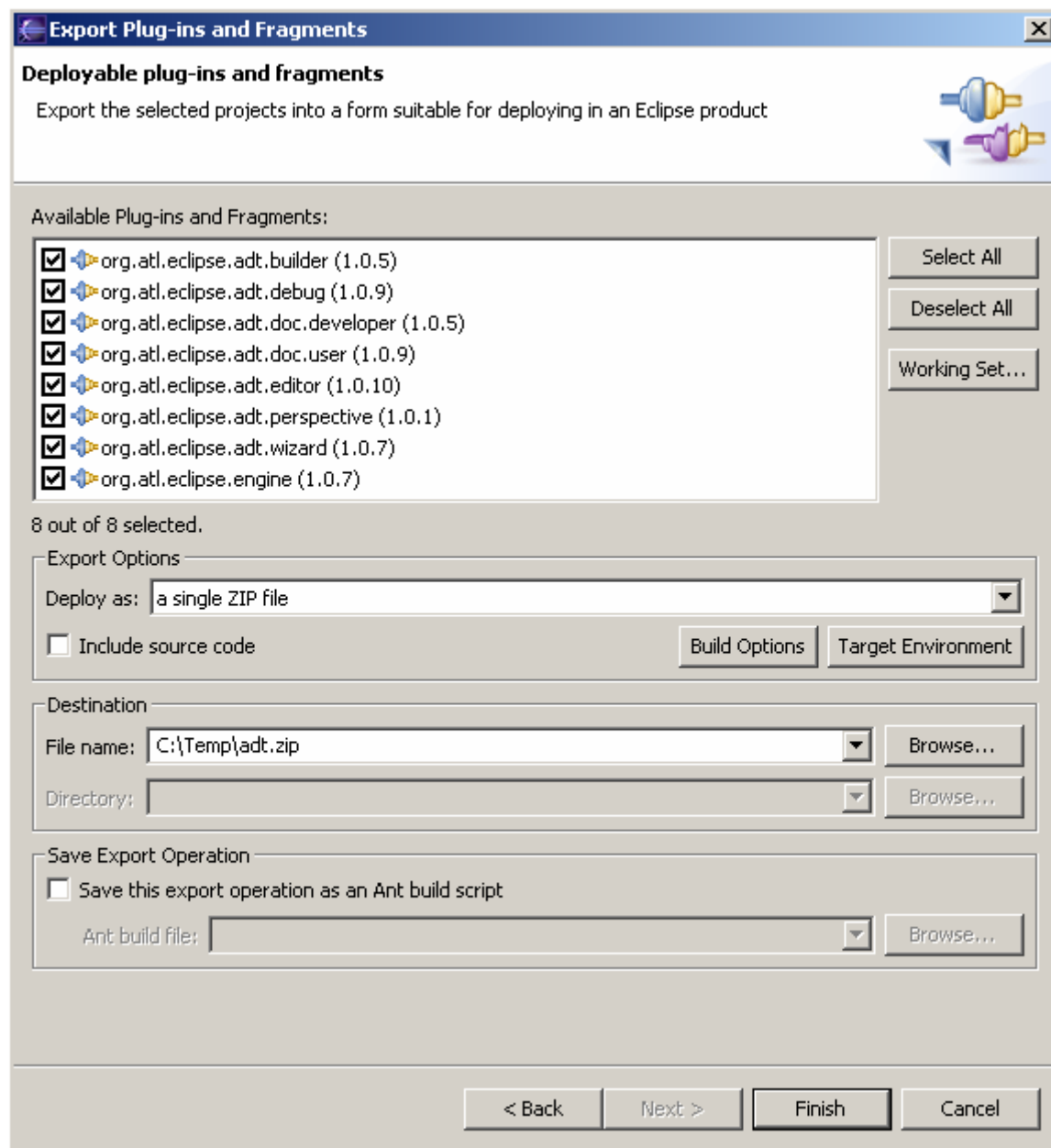
When you have finished this operation, there is normally no error left.

ADT is ready to be tested. There are two ways to use it:

1) In the "Plug-in Development perspective", you can launch a Run-time workbench (Click on **Run -> Run as -> Run-time workbench**).

2) You can install ADT in your copy of Eclipse. Go in the Plug-in perspective and select all the plug-in projects. In the context menu choose **Export -> Deployable Plug-ins and Fragments**.

In the screen **Export Plug-ins and Fragments**, check if all the projects are selected and choose **a single ZIP file** in **Export Options**.



Now you need to close Eclipse. Enter the eclipse directory (which does not contain an eclipse directory but **plug-ins** and **features** directories) then unzip the zip file created. After that you can restart Eclipse.

You are ready to use ADT.

4- Use of ADT

If you want to quickly use ADT, help is available (click on **Help** -> **Help contents**) Choose the topic ADT Plug-in User Guide.

In **Getting started** -> **Basic tutorial** -> **ATL tutorial**, you can download an example Class2Relational.