Setting up Eclipse as Your Development Environment

The information in this section applies when you create your layouts in the development workplace and want to use Eclipse as your development environment for Java.

The following topics are covered below:

- Creating a Project in the Application Designer Environment
- Creating a Java Project in Eclipse

Creating a Project in the Application Designer Environment

Application Designer has an application project concept in which each project is kept in its own directory.

When you create a project with Application Designer's Project Manager, a new directory is created in your web application directory. For example, when using the standard Windows installation, the root directory of the project is *<installdir>/tomcat/webapps/cis/<yourproject>*.

For further information, see Project Manager in the Development Workplace documentation.

Creating a Java Project in Eclipse

You must have a source directory into which the adapter classes for your project are written. It is recommended that the name of this source directory is *src*. For example, create the directory *<installdir>/tomcat/webapps/cis/<yourproject>/src* in order to keep the sources. See also *Preferences* in the *Development Workplace* documentation.

At design time, Application Designer expects the classes to be located in the application project's */appclasses/classes* directory.

This section describes the simple way of creating a Java project for Application Designer. If you are an experienced Eclipse user, you can also store the Java project in a different directory and then link the source files from any directory.

To create a Java project for an Application Designer project

1. From the **File** menu of Eclipse, choose **New > Project**.

The following dialog box appears.

🚝 New Project				×
Select a wizard				
Create a Java project				
Wizards:				
type filter text				
Java Project Java Project from Exist Plug-in Project Plug-in Project General CVS Trice Java	ing Ant Buildfile			
0	< Back	Next >	Finish	Cancel

2. In the resulting dialog box, select **Java Project** and choose the **Next** button.

The following dialog box appears.

🖶 New Java Project 🛛 🔀
Create a Java project Create a Java project in the workspace or in an external location.
Project name: yourprojectname
Contents
C Create new project in workspace
 Create project from existing source
Directory: C:\Program Files\Software AG\Application Designer\tomcat\w Browse
JRE
Use default JRE (Currently 'jre1.5.0_07') <u>Configure JREs</u>
O Use a project specific JRE: jre1.5.0_07
Project layout
Ouse project folder as root for sources and class files
C Create separate source and output folders Configure default
The specified external location already exists. If a project is created in this location, the wizard will automatically try to detect existing sources and class files and configure the classpath appropriately.
< Back

3. Specify a name for your Java project name.

If you want to work with existing Application Designer projects (which you have created in the development workspace), it is recommended that the Java project name and the Application Designer project name are the same.

- 4. Place the root of the project inside the project directory that was created by Application Designer. Therefore, select the option button **Create project from existing source** and specify the corrsponding directory.
- 5. Choose the **Next** button.

The resulting page is used to define the Java build settings for the Eclipse project.

🖨 New Java Project				×
Java Settings				
Define the Java build settings.				
进 Source 🔁 Projects 🛋 Libr	aries 🛛 🖧 🤇	Order and Ex	port	
🔓 🎬 🏗 🏦 😤 🔸			우 <u>고</u> 북동	🥬 🔓 🕐
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▼ Details				
Create new source folder: u project.	se this if you	want to add	a new source fol	lder to your 📥
Link additional source: use the used as additional source for a sou	nis if you hav der.	e a folder in I	the file system th	nat should be
避 Add project 'yourprojectnam	e' to build pa	<u>th</u> : Add the p	project to the bui	ild path if the 💌
Allow output folders for source for	lders			
Default output folder:				
yourprojectname/appclasses/class	es			Browse
?	Back	Next >	Finish	Cancel

6. Make sure that Eclipse uses the following directories of your Application Designer project:

- Your source directory (for example, the directory with the recommended name *src*).
- The directory containing the compiled classes of your project. Use the **Browse** button to specify *appclasses/classes* as the default output folder.
- 7. Go to the **Libraries** page.

🖶 New Java Project	×
Java Settings Define the Java build settings.	
Source Projects Libraries Order and Export JARs and class folders on the build path: Cis.jar - C:\Program Files\Software AG\Application Designer Compared Software Ad\Application Designer Compared So	Add JARs Add External JARs Add Variable Add Library Add Class Folder Edit Remove Migrate JAR File
(?) < Back Next > F	inish Cancel

- 8. Use the **Add External JARs** button to add all libraries which are required by your project. You must add at least the following libraries:
 - cis.jar

This library is located inside your Application Designer installation in the directory *<installdir>/tomcat/webapps/cis/WEB-INF/lib/*.

• servlet.jar

This library is located in the directory <installdir>/tomcat/common/lib.

9. Choose the **Finish** button.

Your project is set up.

🚝 Java - Eclipse SDK			<u>-0×</u>
File Edit Source Refactor Navigate Search Project F	Run Window Help		
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