# Scout SDK for Eclipse

Version 11.0

# **Table of Contents**

Motivation for the Tooling
Eclipse IDE tooling
Start the New Wizard
Create a new Java class
Create a new Java package
Organize Java imports
Rename a class
Alternative Method
Rename a package
Scout SDK Overview
Scout Wizards
New Project Wizard
New Page Wizard
New Form Wizard
Scout Content Assistance
Create new Form Fields
Create new Table Columns
Create new Codes
Scout NLS Tooling
Adding a new Translated Text Entry
The NLS Editor
Action Buttons
Default Mapping to Properties Files
Find missing NLS Keys
Appendix A: Scout SDK Installation
Install Eclipse IDE for Scout Developers
Add Scout to your Existing Eclipse IDE
Verifying the Installation



This chapter presents the Scout SDK plugins available for the Eclipse IDE. The Scout SDK provides wizards to create new project and application components, adds code assistance to the Java Editor and comes with a NLS editor to manage all translated text entries of the application.

The chapter is organized as follows. *Motivation for the Tooling* describes the goals and benefits of the tooling included. Because the Scout Tooling is based on the Eclipse IDE, *Eclipse IDE tooling* provides a short overview of frequently used Eclipse features. A high level description of the Scout tooling is provided in *Scout SDK Overview*. Scout Wizards, Scout Content Assistance and Scout NLS Tooling then provide detailed descriptions of the functionality offered by the Scout SDK.

# **Motivation for the Tooling**

Thanks to this tooling, developing Scout applications is made simpler, more productive and also more robust. Initially, a solid understanding of the Java language is sufficient to start developing Scout applications and only a rough understanding of the underlying Maven/JEE technologies is required.

The Scout SDK also helps developers to become more productive. Many repetitive and error prone tasks run automatically in the background or are taken care of by the component wizards of the Scout SDK.

The application code created by the Scout SDK wizards helps to ensure that the resulting Scout application has a consistent and robust code base and is well aligned with the application model defined by the Scout runtime framework.

# **Eclipse IDE tooling**

The Scout tooling is an extension of the Eclipse IDE. The goal of this section is not to provide a complete overview on the features contained in the Eclipse IDE. It provides a short overview of the important eclipse features, frequently used during the development of a Scout Application. Experienced Eclipse IDE users might skip this section.

# Start the New Wizard

To start the **New Wizard** wizard press Ctrl + N or use menu **File > New > Other...** In the first wizard step type the name of the object you want to create into the **Wizards** field as shown in Figure 1.

New 💷	
Select a wizard	
<u>W</u> izards:	
<ul> <li>Interface</li> <li>Interface</li> <li>Java Project</li> <li>Java Project from Existing Ant Buildfile</li> <li>Plug-in Project</li> <li>General</li> <li>General</li> <li>BSI CRM</li> <li>C/C++</li> <li>CVS</li> <li>CVS</li> <li>Git</li> <li>Java</li> <li>JavaScript</li> </ul>	
(?) < <u>Back</u> <u>Next</u> > <u>Finish</u>	Cancel

Figure 1. "New" Wizard

# Create a new Java class

Start the **New Wizard** and type **Class** in the Wizards field. Select **Class** Click on **[Next]** to open the **New class wizard** 

🔵 New Java Class			
Java Class Create a new Java class.			
Source fol <u>d</u> er:	doc.shared/src/main/java	Br <u>o</u> wse	
Pac <u>k</u> age:	mypackage	Bro <u>w</u> se	
Enclosing type:		Bro <u>w</u> se	
Na <u>m</u> e: Modifiers:	MyNewClass		
<u>S</u> uperclass:	java.lang.String	Brows <u>e</u>	
<u>I</u> nterfaces:	java.io.Serializable	Add	
Which method stubs would you like to create?			
Do you want to add comments? (Configure templates and default value <u>here</u> )			
?	< <u>Back</u> Next > <u>Finish</u>	Cancel	

Figure 2. "New Java Class" Wizard

You can choose define the following properties:

- Source folder: Click on [ Browse ] to choose the project where the class belongs.
- **Package**: Click on **[ Browse ]** to choose the package in the given project. If the package does not exist it will be created a new one automatically.
- Name: Type the class name
- Modifiers: Choose public or default. Or abstract and/or final.
- Superclass: Choose the parent class clicking on [ Browse ]
- Interfaces: Click on [ Add ] to add the list of interfaces your class implements.
- Method stubs: Include methods in your class.
- **Comments**: Generate predefine comments.

Click on [Finish] when you are done with the class definition. The java editor will open and you

# Create a new Java package

Start the **New Wizard** and type **Package** in the Wizards field. Select **Package** Click on **[Next]** to open the **New package wizard** 

🔵 New Java Pa	ckage	
Java Package		<b>M</b>
Create a new J	ava package.	
Creates folders	corresponding to packages.	
Source fol <u>d</u> er:	doc.shared/src/main/java	Br <u>o</u> wse
Na <u>m</u> e:	company.create	
Create pack	age-info.java	
?	< <u>B</u> ack <u>N</u> ext > <u>F</u> inish	Cancel

In the New package wizard you can define the following properties:

- Source folder: Click on [ Browse ] to choose the project where the package belongs.
- Name: Write the name of the package.
- Package info: Choose the checkbox if you want package-info

Click on [ Next ] to create the project. The Project Browser

# **Organize Java imports**

The *import* section of a java class needs to be kept up-to-date. New imports need to be added and no longer used ones should be removed. Eclipse offers a the shortcut Ctrl + Shift + 0 to accomplish this task.

In case an import cannot be resolved because several candidates exist, a selection list is displayed.

# **Rename a class**

Renaming a class without SDK support is not so easy. The class and possibly the compilation unit need to be renamed. Then every reference to the class within the workspace needs to be updated.

All this work is accomplished by using the *Class rename Wizard*.

- 1. Open the Wizard using one of the following methods
  - Alt + Shift + R
  - ° Context Menu > Refactor > Rename...
  - $\,\circ\,$  Select the class in the tree and press F2
- 2. Choose the new name for the class
- 3. Specify which references need to be updated
- 4. Click [Finish] or [Next] to continue

## **Alternative Method**

A class can be renamed by select the class name anywhere in code and pressing Ctrl + 1. The option **[Rename in Workspace]** will rename the class without using a the wizard.

# Rename a package

Renaming a package without SDK support would be a tedious undertaking. All classes in the package and its subpackages would have to be modified as well as the directory structure on disk. Then every reference to the package within the workspace needs to be updated.

All this work is accomplished by using the Package rename Wizard.

- 1. Open the Wizard using one of the following methods
  - Alt + Shift + R
  - ° Context Menu > Refactor > Rename...
  - $\,\circ\,$  Select the package in the tree and press F2
- 2. Choose the new name for the package
- 3. Specify which references need to be updated
- 4. Click [OK] or [Prview] to continue

# **Scout SDK Overview**

The Scout SDK tooling helps the Scout developer to quickly create frequently used Scout components. This Scout Tooling is implemented as extensions of the Eclipse IDE in the form of wizards, content assist extension to the Eclipse Java editor and support for dealing with translated texts called NLS support.

#### Scout Wizards

The Scout SDK tooling includes a number of wizards for the creation of frequently used Scout components. In many cases the execution of such wizards involves the creation/editing of several source files. In the case of the creation of a new Scout form this includes the form class in the client module of the Scout application, a form data class and a service that communicates Descriptions for the individual wizards are provided in Scout Wizards.

#### **Content Assist**

In the Scout framework the hierarchical organization of Scout components if frequently reflected in the form of inner classes. This allows the Scout tooling to provide context specific proposals in the form of content assist proposals offered in the Java editor of the Eclipse IDE. Examples for this form of the tooling includes the creation of form fields or adding columns and context menus to tables. Content assist support is described in detail in Scout Content Assistance.

#### **NLS Tooling**

Eclipse Scout comes with NLS (National Language Support). To support Scout developers in using Scout's NLS (National Language Support) the Scout SDK offers corresponding tooling to work with translated texts. This tooling is described in Scout NLS Tooling.

## **Scout Wizards**

The Scout SDK provides a set of wizards to create new Scout projects and various components for your Scout applications.

To start any of these wizards press Ctrl + N or use menu **File > New > Other...**. In the first wizard step type "*Scout*" into the **Wizards** field as shown in Figure 3.

€ New	
Select a wizard	
<u>W</u> izards:	
scout	R_
<ul> <li>Scout</li> <li>Scout CodeType</li> <li>Scout Form</li> <li>Scout LookupCall</li> <li>Scout Page</li> <li>Scout Permission</li> <li>Scout Project</li> </ul>	
(?) < <u>Back</u> <u>Next &gt; Einish</u>	Cancel

Figure 3. Selecting Scout Wizards in the Eclipse wizard dialog

The wizards provided by the Scout SDK are introduced and described in the sections listed below.

- New Project Wizard (New Project Wizard)
- New Page Wizard (New Page Wizard)
- New Form Wizard (New Form Wizard)

## **New Project Wizard**

The New Scout Project wizard can be used to create a new Scout project from scratch.

To open the wizard press Ctrl + N or use File > New > Other... and type "*Scout*" into the Wizards search field. Then, select the entry "*Scout Project*" and click on [Next]. This leads to the initial dialog of the *New Scout Project* wizard as shown in Figure 4.

🖨 New Scout Project	—	
Create a Scout Project Create a new Scout Project		S
Project Name		
Group Id org.eclipse.scout.apps		
Artifact Id helloscout		
Display Name My Application		
Programming language of the user interface Java JavaScript		
Project Location		
Target Directory C:\projects\scout		Browse
(?) < <u>Back</u> <u>Next</u> > <u>Finish</u>		Cancel

Figure 4. The new Project Wizard

A detailed description of the indiviudal wizard fields of Figure 4 is provided in the next section.

By clicking on the **[Finish]** button the wizard is started and a new Scout client server application is created in the form of a Maven multi-module project.

#### Wizard Fields and Default Values

All fields of the Figure 4 are initially filled with default values.

### Group Id

Maven groupId used for all created projects. The default value is org.eclipse.scout.apps.

### Artifact Id

Maven artifactId for the parent project. The additional projects are derived from this name. The default value is **helloworld**.

## Display Name

The name of the application presented to the user. This name is shown in the Browser title bar. The default value is "My Application"

With the *Project Location* group box, you can control where the project will be created. Unchecked the *Use default Workspace location* checkbox to enter an other value in the *Target Directory* Field.

The **[ Browse... ]** button can help you to find the appropriate path.

#### **Created Components**

With the Figure 4 wizard a complete Maven multi-module project is created. Using the default artifact Id **helloworld** the following Maven modules are created.

- Maven module helloworld
  - Contains the project's parent pom.xml file
- Maven module helloworld.client
  - Contains model components of the client application in src/main/java and model tests in src/test/java.
  - The class HelloWorldForm in package org.eclipse.scout.apps.helloworld.client.helloworld is an example of a model class.
- Maven module helloworld.shared
  - Contains components needed in both the client and the server application.
  - For examples see the IHelloWorldService interface in src/main/java and class HelloWorldFormData in src/generated/java.
  - The Texts.nls file that can be opened in the Scout NLS Editor.
- Maven module helloworld.server
  - Contains the model components of the server application in src/main/java and model tests in src/test/java.
  - The class HelloWorldService in package org.eclipse.scout.apps.helloworld.server.helloworld is an example of such a model class.
- Maven module helloworld.server.app.dev
  - $\circ~$  Contains all components to run the Scout server application from within the Eclipse IDE.
  - The file config.properties in folder src/main/resources contains the development configuration for the Scout server application.
  - The file pom.xml bundles the Jetty web server with the server application.
  - The file [webapp] dev server.launch contains the launch configuration for the Eclipse IDE.
- Maven module helloworld.server.app.war
  - Contains all components to create a Scout server WAR file to deploy to an external web server.
  - The file config.properties in folder src/main/resources contains the server configuration.
  - $\,\circ\,$  The file <code>pom.xml</code> is used to build the Scout server WAR file.
- Maven module helloworld.ui.html
  - Contains servlet filters and the HTML pages as well as custom CSS and JavaScript files for the Scout UI Server.
  - See class UiServletFilter in src/main/java and folder WebContent in source/main/resources.

- The file js build.launch contains the launch configuration for the Eclipse IDE that executes the JavaScript build.
- Maven module helloworld.ui.html.app.dev
  - $\circ~$  Contains all components to run the Scout UI application from within the Eclipse IDE.
  - The file config.properties in folder src/main/resources contains the development configuration for the application.
  - The file web.xml in folder src/main/webapp contains the web configuration for the application.
  - The file pom.xml bundles the Jetty web server with the application.
  - The file [webapp] dev ui.launch contains the launch configuration for the Eclipse IDE.
- Maven module helloworld.ui.html.app.war
  - Contains all components to create a Scout UI WAR file to deploy to an external web server.
  - The file config.properties in folder src/main/resources contains the application configuration.
  - The file web.xml in folder src/main/webapp contains the web configuration.
  - The file pom.xml is used to build the Scout UI WAR file.

## New Page Wizard

The *New Scout Page* wizard can be used to create a new page and related classes. To start the wizard use **File > New > Other...** or press Ctrl + N.

Create a new Page				
Create a new Page Create a new Page				
New Page Details				
Source Folder	helloworld.client/src/main/java			
Package	org.eclipse.scout.apps.helloworld.client.helloworld			
Name	MyTablePage			
Super Class	AbstractPageWithTable			
PageData and Service So	PageData and Service Source Folders			
Shared Source Folder	helloworld.shared/src/main/java			
Server Source Folder	helloworld.server/src/main/java			
Options           Create an Abstract Super Page				
?	< <u>B</u> ack <u>N</u> ext > <u>Finish</u> Cancel			

Figure 5. The new Page Wizard

In the case of Figure 5 the package org.eclipse.scout.apps.helloworld.client.helloworld has been selected in the Package Explorer. The only wizard field that then needs to be filled in manually is the **Name** field.

By clicking on the **[Finish]** button the wizard is started and the specified components are created.

#### Wizard Fields and Default Values

Most of the fields of the Figure 5 will be filled with default values depending on the current context of the IDE. The context can be derived from a package selected in the Package Explorer or from the class in the active Java Editor.

#### Source Folder

The source folder of the Maven client module used for the creation of the page. The default value is the src/main/java folder in the Maven client module.

#### Package

The Java package that will contain the page class. The Scout SDK will try to guess the package name from the current context and derive matching package names for the Maven shared module.

#### Name

The name of the page class. According to Scout conventions the class name ends with the suffix TablePage (for subclasses of AbstractPageWithTable) or NodePage (for AbstractPageWithNodes).

#### **Super Class**

The super class for the form. AbstractPageWithTable is the default value.

#### **Shared Source Folder**

The source folder of the Maven shared module used for creation of the page data and the service interface. The default value is the src/main/java folder in the Maven shared module.

#### Server Source Folder

The source folder of the Maven server module used for creation of the service implementation. The default value is the src/main/java folder in the Maven server module.

#### **Created Components**

In the Figure 5 example shown above the Scout SDK will create the following components.

- In Maven module helloworld.client
  - The MyTablePage page class in folder src/main/java and package org.eclipse.scout.apps.helloworld.client.helloworld
- In Maven module helloworld.shared
  - The IMyService service interface in folder src/main/java and package org.eclipse.scout.apps.helloworld.shared.helloworld
  - MyTablePageData page data class in folder src/generated/java and package org.eclipse.scout.apps.helloworld.shared.helloworld
- In Maven module helloworld.server
  - The MyService implementation in folder src/main/java and package org.eclipse.scout.apps.helloworld.server.helloworld

## **New Form Wizard**

The *New Form* wizard is be used to create a new form including a form data, permissions and and related service. To start the wizard use **File > New > Other...** or press Ctrl + N.

Create a new Form		x		
Create a new Form				
Create a new Form				
New Form Details				
Source Folder	helloworld.client/src/main/java	-		
Package	org.eclipse.scout.apps.helloworld.client.helloworld	•		
Name	MyForm			
Super Class	AbstractForm	-		
-Additional Compo	Additional Components			
Create FormD	ata 🕼 Create Service 🕼 Create Permissions			
Shared Source Fol	lder helloworld.shared/src/main/java			
Server Source Fol	lder helloworld.server/src/main/java	-		
?	< <u>B</u> ack <u>N</u> ext > <u>Finish</u> Cancel			

Figure 6. The new Form Wizard

In the case of Figure 6 the package org.eclipse.scout.apps.helloworld.client.helloworld has been selected in the Package Explorer. The only wizard field that then needs to be filled in manually is the **Name** field.

By clicking on the **[Finish]** button the wizard is started and the specified components are created.

#### Wizard Fields and Default Values

Most of the fields of the Figure 6 will be filled with default values depending on the current context of the IDE. The context can be derived from a package selected in the Package Explorer or from the class in the active Java Editor.

#### Source Folder

The source folder of the Maven client module used for the creation of the form class. The default value is the src/main/java folder in the Maven client module.

#### Package

The Java package that will contain the form class. The Scout SDK will try to guess the package name from the current context and derive matching package names for the Maven shared and server modules.

#### Name

The name of the form class. According to Scout conventions the class name ends with the suffix

#### Form.

#### **Super Class**

The super class for the form. AbstractForm is the default value.

#### **Create FormData**

If ticked, a form data class will be created in the shared module.

#### **Create Service**

If ticked, a service interface is created in the shared module and a service implementation is created in the Maven server module.

#### **Create Permissions**

If ticked, read and update permissions are created in the Maven shared module.

#### **Shared Source Folder**

The source folder of the Maven shared module used for creation of the form data, the service interface and the permission classes. The default value is the src/main/java folder in the Maven shared module.

#### Server Source Folder

The source folder of the Maven server module used for the service class creation. The default value is the src/main/java folder in the Maven server module.

#### **Created Components**

In the Figure 6 example shown above the Scout SDK will create the following components.

- In Maven module helloworld.client
  - The MyForm form class in folder src/main/java and package org.eclipse.scout.apps.helloworld.client.helloworld
- In Maven module helloworld.shared
  - In folder src/main/java and package org.eclipse.scout.apps.helloworld.shared.helloworld
    - The IMyService service interface
    - The ReadMyPermission permission class
    - The UpdateMyPermission permission class
  - The MyFormData form data class in folder src/generated/java and package org.eclipse.scout.apps.helloworld.shared.helloworld
- In Maven module helloworld.server
  - The MyService service class in folder src/main/java and package org.eclipse.scout.apps.helloworld.server.helloworld

# Scout Content Assistance

To create new Scout components that are represented by inner classes in the Scout framework, the Scout tooling extends the Java content assist of the Eclipse Java editor. The offered proposals are

context specific. Depending on the current cursor position in the Java editor, possible Scout components are added to the proposal list.

In a class representing a group box in a form, the Scout content assist adds proposals for various form fields. In a table class the content assist adds proposals to add table columns or context menus. Those proposals trigger the creation of inner classes for form fields, table columns or codes. The Eclipse content assist can be started by typing Ctrl + Space.

### **Create new Form Fields**

To add additional form fields to a form the current edit position needs to be inside of a Scout group box. Typing Ctrl + Space then provides access to the most frequently used Scout widgets as shown in Figure 7.



Figure 7. Proposals to create new form fields in a GroupBox

When a template is selected, it is possible to customize it by navigating between the different Edit-Groups with the Tab Key (this works exactly like other templates in the Eclipse Editor). With this mechanism you can quickly define the class name, the parent class and other properties. To exit the Edit-Mode just press Enter.

## **Create new Table Columns**

For adding new columns in a table set the current edit position inside a Scout table. The Scout table itself may be located inside of a TableField as shown in Figure 8 or can also be located inside of a Scout TablePage.



Figure 8. Proposals to create new columns in a Table

Next to adding columns the content assist shown in Figure 8 can also be used to add key stroke actions and menus to tables.

### **Create new Codes**

Adding new Codes to an existing CodeType is supported by the content assist as shown in Figure 9.



Figure 9. Proposals to create new codes in a CodeType

# **Scout NLS Tooling**

### Adding a new Translated Text Entry

Translated text entries are most frequently added when working in the Java editor view.

When the the current edit position is inside the String parameter of the TEXTS.get() code, the

content assist (opened with Ctrl + Space) provides support for the NLS entries as shown in Figure 10.



Figure 10. Proposals corresponding to NLS Support.

Selecting one of proposal entries (like "DateOfBirth" in the example) shows the available translations on the right side. To select a specific proposal entry you may double click on the entry or hit the Enter key. To create a new text entry select **New text...** at the end of the proposal list.

Adding a translated text can then be done in the *New Entry* wizard provided by the Scout SDK as shown in Figure 11.

New Entry	×
New Entry	
Create a new Translation entry.	
Key Name Message	
default French (France)	
Message	A
٠	
Copy key to clipboard	
	<u>O</u> k Cancel

Figure 11. Adding a new text with the New Entry wizard.

#### Key Name

This field holds the text key that is used to access translated text.

#### default

This field holds the default translated text for the key. Make sure to at least provide a translated text in this tab.

#### French (France)

Additional tabs to enter translations for other languages may be present. Adding additional languages is described in the text for the NLS editor.

#### Copy key to the clipboard

Select this checkbox to copy the key name to the clipboard and paste it later in your code.

## The NLS Editor

To manage translated application texts for different languages the Scout SDK includes a NLS editor. This editor helps to efficiently deal to edit all the property files that are used with the default setup of Scout.

The NLS editor can be accessed for each text provider service of a Scout application via the \*.nls files of the shared Maven modules of the application. In the case of the "Hello World" application you will find the Texts.nls file in module org.eclipse.scout.helloworld.shared. To open the editor for the "Hello World" application select the Texts.nls file first and then use context menu **Open With > NLS Editor**.

The screenshot below shows the opened NLS editor. In the first column the key values are shown that are used in accessing translations through TEXTS.get("key"). The second columns holds the default translations followed by columns holding the translations for other translated languages.

E TextProviderService 🛛 🗖				
Translations 🧔 🛷 🥂 🗟 🔊 🗈				
🔽 Hide	inherited rows			
Reset				
*	key	default	French (France)	
Τ	About	About	A propos	-
Τ	ApplicationInformation	Application information	Information sur l'application	-
Τ	ApplicationVersion	Application version	Version de l'application	
T	BadEmailAddress	Invalid E-Mail address	L'adresse E-Mail n'est pas valide	
Τ	City	City	Ville	
Τ	Comments	Comments	Commentaires	
Τ	Contacts	Contacts	Contact	
Τ	Country	Country	Pays	
Τ	CreateNewOrganizationMe	Create new organization	Ajouter une organisation	
Τ	CreateNewPersonMenu	Create new person	Ajouter une personne	
T	Dark	Dark	Dark	
T	DateOfBirth	Date of birth	Date de naissance	
T	Default	Default	Default	-
Translations				

## **Action Buttons**

Actions on the top right corner:

ø
---

A	Show NLS entry usage	For each row, search in the Java code where the NLS Key is used. Results are displayed in the first column.
7*	New entry	Opens the New Text Entry Wizard
	New language	Opens the Add a Language Wizard
<i>7</i>	Import	Import the NLS entries of an external file
<b>5</b> 3	Export	Export the NLS entries to an external file

Import and Export requires additional components.

Hide inherited rows checkbox

On the top of each column, the text fields allow you to filter the entries in the table. With the **[Reset]** button on the right you will empty those filters.

The entries in the table can be directly edited by pressing F2 or double-clicking into a text cell.

On each row it is possible to call following context menu:

Τ	Modify Entry	Opens the New Text Entry Wizard
ß	Find references to 'Xxx'	Search in the Java code where the NLS Key is used.
T	Remove Xxx	Delete the NLS Entry from the files

## **Default Mapping to Properties Files**

The mapping between the properties files is registered in the "Text Provider Service" class. Per default the files follow this pattern: <your application>.shared/src/main/resources/<identifier of the project>/texts/Texts<language>.properties

where:

- <identifier of the project> is a chain of folders following the same convention as the Java source files with the package name. For example the org.eclipse.contacts.shared project uses org/eclipse/scout/contacts/shared as path.
- <language> is an identifier of the language and the country. Some possible file names:
  - Texts.properties is the default language
  - Texts\_de.properties is for German
  - Texts\_fr\_BE will be for French in Belgium

### **Find missing NLS Keys**

If NLS keys are used in the code that do not exist in a properties file, an ugly placeholder is displayed to the user. To find such missing translations the Menu Scout  $\rightarrow$  Search missing text keys… may be handy. The result is listed in the Eclipse Search view.

The search also takes the scope of each NLS key into account. So that the key is considered to be available there must be a TextProviderService with that key on the classpath of that module.

Reported false positives can be suppressed using the following comment at the end of the corresponding line: NO-NLS-CHECK. Matches on that line are then not reported in future searches anymore.

# **Appendix A: Scout SDK Installation**

This chapter walks you through the installation of the Eclipse Scout SDK. There are two ways to install it.

- 1. Install a prepackaged Eclipse IDE tailored for Scout developers.
- 2. Install the Scout SDK plugins into an existing Eclipse IDE.

# **Install Eclipse IDE for Scout Developers**

The installation process for the Eclipse package containing Scout is described in the Hello Scout Tutorial.

# Add Scout to your Existing Eclipse IDE

This section describes the installation of Scout into an existing Eclipse installation. As the audience of this section is assumed to be familiar with Eclipse, we do not describe how you got your Eclipse installation in the first place. For the provided screenshots we start from the popular package *Eclipse IDE for Java EE Developers*.



Figure 12. Eclipse menu to install additional software

To add Scout to your existing Eclipse installation, you need to start Eclipse. Then select the **Help** > **Install New Software...** menu as shown in Figure 12 to open the install dialog.

Install					
Available Software Check the items that you wish to install.					
Work with: 2021-03 - http://download.eclipse.org/releases/2021-03	~	Add	Manage		
Scout		×	Select All		
Name	Version		Deselect All		
✓ ✓ IIII Application Development Frameworks					
Image: Contemporary Contempo	11.0.9				
1 item selected					
Details					
Eclipse Scout is an application framework for business applications with desktop, tablet and mobile frontends.					
Show only the latest versions of available software	✓ Hide items that are already installed				
Group items by category	What is <u>already installed</u> ?				
Show only software applicable to target environment					
Contact all update sites during install to find required software					
?	< Back Next >	Finish	Cancel		

Figure 13. Select the Scout features to add to the Eclipse installation

In the install dialog, select the update site matching your Eclipse installation. Type Scout into the filter field below and select Eclipse Scout SDK (Binary only). Then, move through the installation with the **[Next]** button. On the last installation step, accept the presented EPL terms by clicking on the appropriate radio button. To complete the installation, click the **[Finish]** button and accept the request for a restart of Eclipse. After the restart of the Eclipse IDE the Scout SDK is ready to use!

# Verifying the Installation

The simplest way to verify your Scout installation is to create a "Hello World" Scout project and run the corresponding Scout application as described in <u>Hello Scout</u>.



Do you want to improve this document? Have a look at the sources on GitHub.