

Adabas SOA Gateway

Getting Started

Version 2.6.1

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This document applies to Adabas SOA Gateway Version 2.6.1.

Specifications contained herein are subject to change and these changes will be reported in subsequent release notes or new editions.

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Getting Started

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1 Introduction to the SOA Gateway Control Centre

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The SOA Gateway Control centre provides a single-point-of-control facility for managing SOA Gateway server configurations.

There are 2 perspectives available, the *SOA Gateway Administration Perspective* (or short "SOA Gateway Perspective") and *SOA Gateway Legacy Perspective*. Both can be opened by selecting **Window, Open Perspective, Other**. The "Legacy Perspective" has the same look and feel of previous versions of the Control Centre but will be discontinued in future versions of the product. New functionality, such as Web Service Lifecycle Governance, is only available with the new SOA Gateway perspective.

To take full advantage of the latest functionality, the Administration perspective should be used. Configure existing SOA Gateway servers with the same look and feel as previous versions of the Control Centre is still possible using the "Legacy Perspective".



Important: Configuring multiple SOA Gateway servers using both perspectives is not recommended, you are encouraged to start using the SOA Gateway Perspective as soon as possible.

- **Administration Perspective**
- **Legacy Perspective**

First steps with the SOA Gateway Control Centre - Administration Perspective

1. The primary elements of the **SOA Gateway Perspective** are the
 - **SOA Gateway View** - lists defined servers and their defined drivers and services.
 - **SOA Gateway Action Log** - displays informational and error messages
 - **Properties View** - lists specific detail about a specific service / resource
 - **Navigator View** - displays the contents of workspace in use. The files listed here are on the local disk.
 - **Editor View** - this opens the required resource in the appropriate editor.

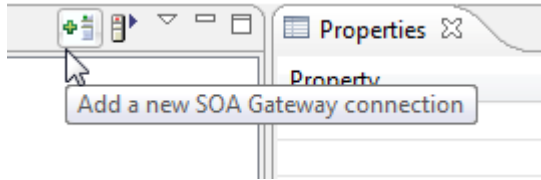


Important: At any time, you can choose **Window, Reset Perspective** to restore the original layout.

2. The first action to be carried out is to define a server.



Important: The Deployment Wizard may have created a server already, so this step may be skipped in this scenario.



Click on the server icon to the right of the **SOA Gateway** tab to bring up the **add New Server Dialog**.

- **ServerName:** Enter a symbolic name for the server to be defined.
- **Host/IP:** Enter the servers host name / IP address.
- **Port:** Enter the port the server is listening on.
- **Timeout (sec):** In case the server is slow in responding to requests from the Control Centre, the timeout may need to be set to a value higher than the default of 10 seconds.
- **Autodisconnect:** Check this box if you want each of the defined servers to be put into a suspended mode when Eclipse exits. This is be useful as it speeds up Eclipse initialization. Although, once the Control Centre starts, you will have to resume each of your servers before working with them again.

Click "**Save**".

The server will appear in the SOA Gateway View. Servers which are reachable are indicated by a green arrow, unreachable servers are denoted by a red circle, a message in the Properties area indicates the reason why the server cannot be contacted.

Clicking on a server entry in the SOA Gateway View will trigger the display of the server's configuration in the **Properties View**.


The PropertiesView gives comprehensive information about each server's configuration. The side tabs are:

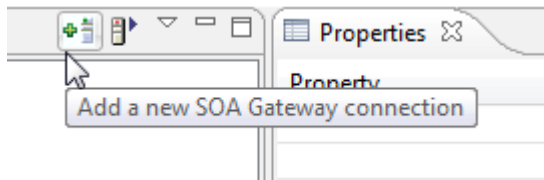
- General.
- **Tracing.**
- **Global.**
- Drivers.
- Governance.
- Statistics.

3. More information about the various views and their functions can be found in the SOA Gateway Control Centre section.

First steps with the SOA Gateway Control Centre - Legacy Perspective

1. The primary elements of the **SOA Gateway Perspective** are the
 - **SOA Gateway Servers View** - lists defined servers and their status, server related operations are initiated here
 - **SOA Gateway Server Configuration View** - a view of the server's defined resources
 - **SOA Gateway Action Log** - displays informational and error messages
 - The Properties area
2. The first action to be carried out is to define a server.

 **Important:** The Deployment Wizard may have created a server already, so this step may be skipped in this scenario.



Click on the server icon to the right of the **SOA Gatewaytab** to bring up the **add New Server Dialog**.

- **ServerName:** Enter a symbolic name for the server to be defined.
- **Host/IP:** Enter the servers host name / IP address.
- **Port:** Enter the port the server is listening on.
- **Timeout (sec):** **In case the server is slow in responding to requests from the Control Centre, the timeout may need to be set to a value higher than the default of 10 seconds.**
- **Autodisconnect:** Check this box if you want each of the defined servers to be put into a suspended mode when Eclipse exits. This is be useful as it speeds up Eclipse initialization. Although, once the Control Centre starts, you will have to resume each of your servers before working with them again.

Click "**Save**".

The server will appear in the **Servers View**. Servers wich are reachable are indicated by a green arrow, unreachable servers are denoted by a red circle, a message in the Properties area indicates the reason why the server cannot be contacted.

Name	Mod	ASv	Tracing	Msl	Sec
SOA Gateway Linux		-	OFF/7	5	N
SOA Gateway Windows		-	OFF/0	0	n

The "Action Log" provides additional status information.

Server name	Message	Timestamp
localhost	Configuration refreshed	Tue Jul 31 16:31:08 BST 2012

- Clicking on a server entry in the **Servers View** will trigger the display of the server's configuration in the **Server Configuration View**.

Name	M...	Services defined	ASv	Tracing	Sec
localhost		1 of unlimited	0	OFF/0	None

Services / DataViews / XSDs / XSLs / BusinessDataViews					
Mod	Driver	Service	Vrs	DataSource Id	DataView
	DLL_Driver	cdInterest	1	sharedLib=cdInterest.so, methodName=cdn...	cdInterest_v1

More information about the various views and their functions can be found in the SOA Gateway Control Centre section.

2 Introduction to Eclipse

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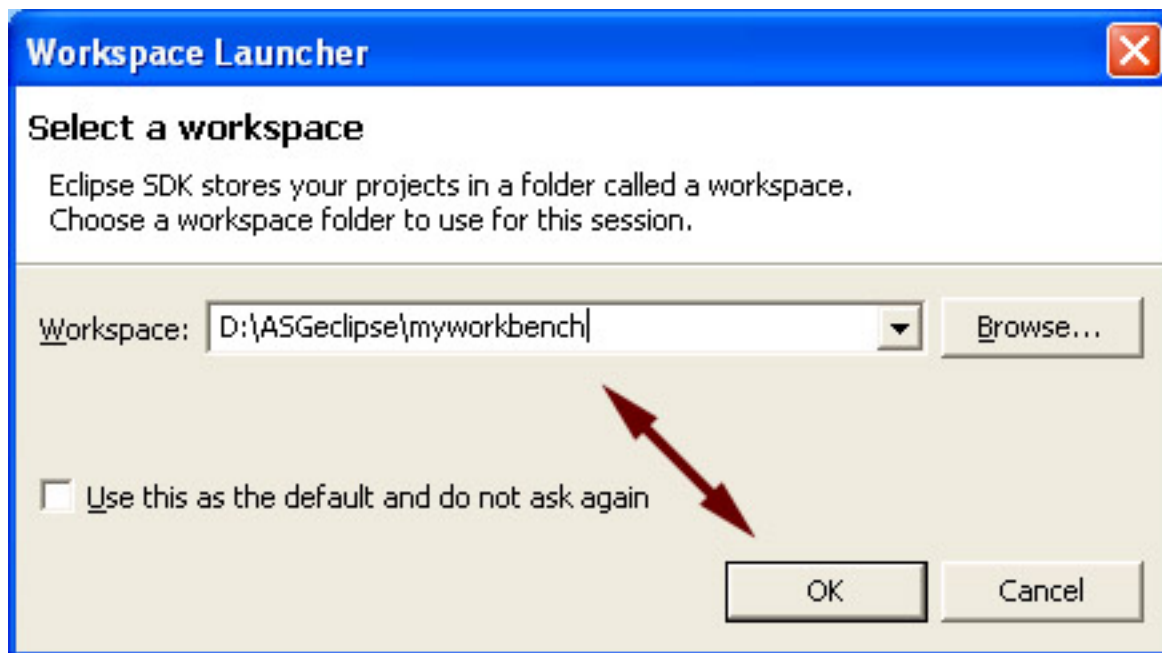
If you are new to Eclipse, please take the time to go through this introduction, and familiarize yourself with the basics of the Eclipse framework.

If you have worked with Eclipse before, you may skip this section.

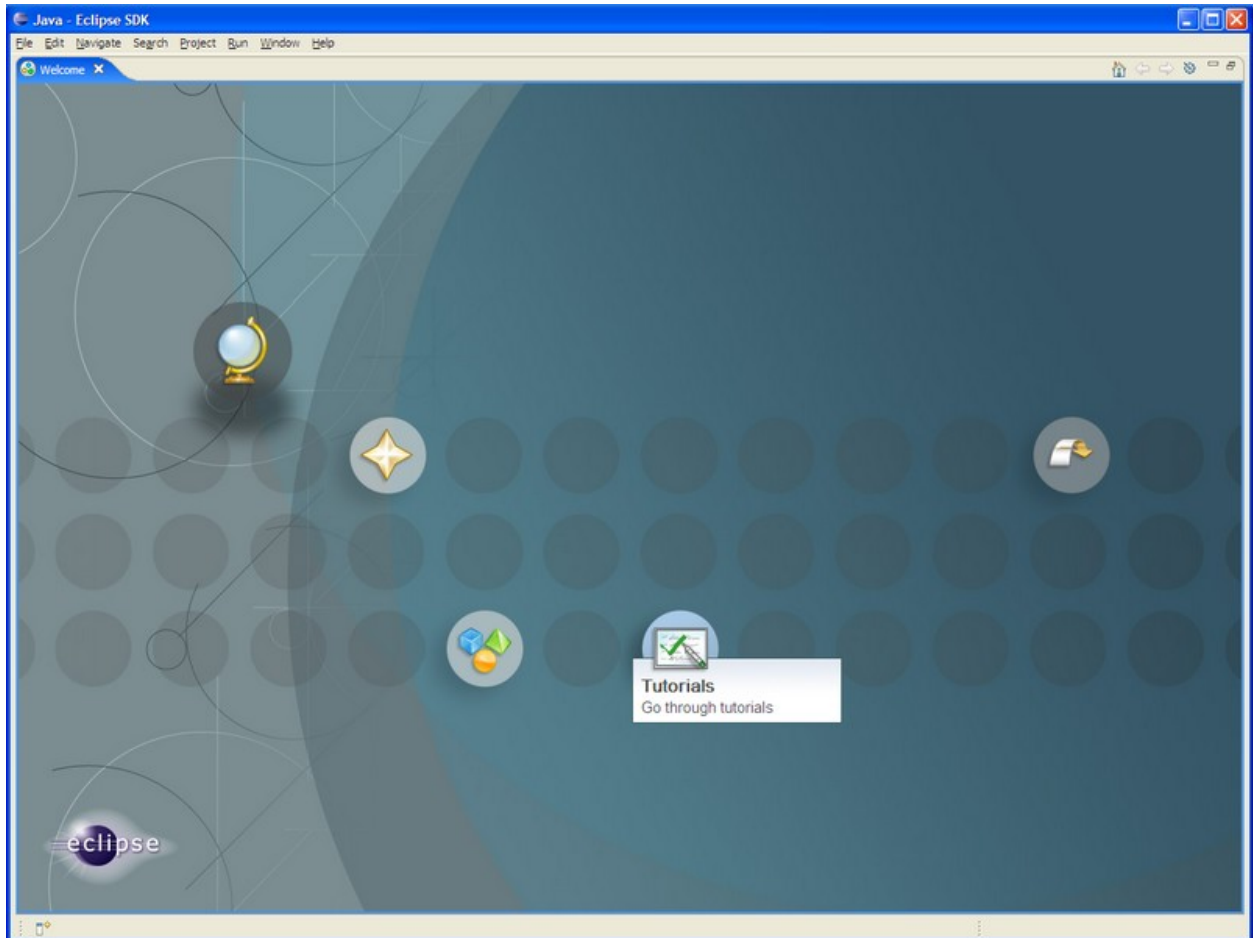
Running Eclipse is as easy as launching the Eclipse executable - "eclipse" on Linux / Unix platforms, "eclipse.exe" on Windows - in the top-level Eclipse directory.

In case you are new to Eclipse and run into problems, try the [Eclipse FAQ](#).

When the Eclipse Workbench is launched, the first thing you see is a dialog that allows you to select where the workspace should be located. The workspace is the directory where your work will be stored. When you start Eclipse for the very first time after installation, Eclipse will propose a workspace named "workspace" located in your "home" directory (depending on the operating system you are running Eclipse on). Either just click OK to pick the default location, or specify a path + filename of your choice, then click OK. (You can also check the checkbox to prevent this question from being asked again.)



After the workspace location is chosen, the Eclipse Welcome Screen will be shown. You may want to start by going through some of the introductory tutorials offered by Eclipse, or just commence to the Workbench by clicking the bent arrow in the top right corner.

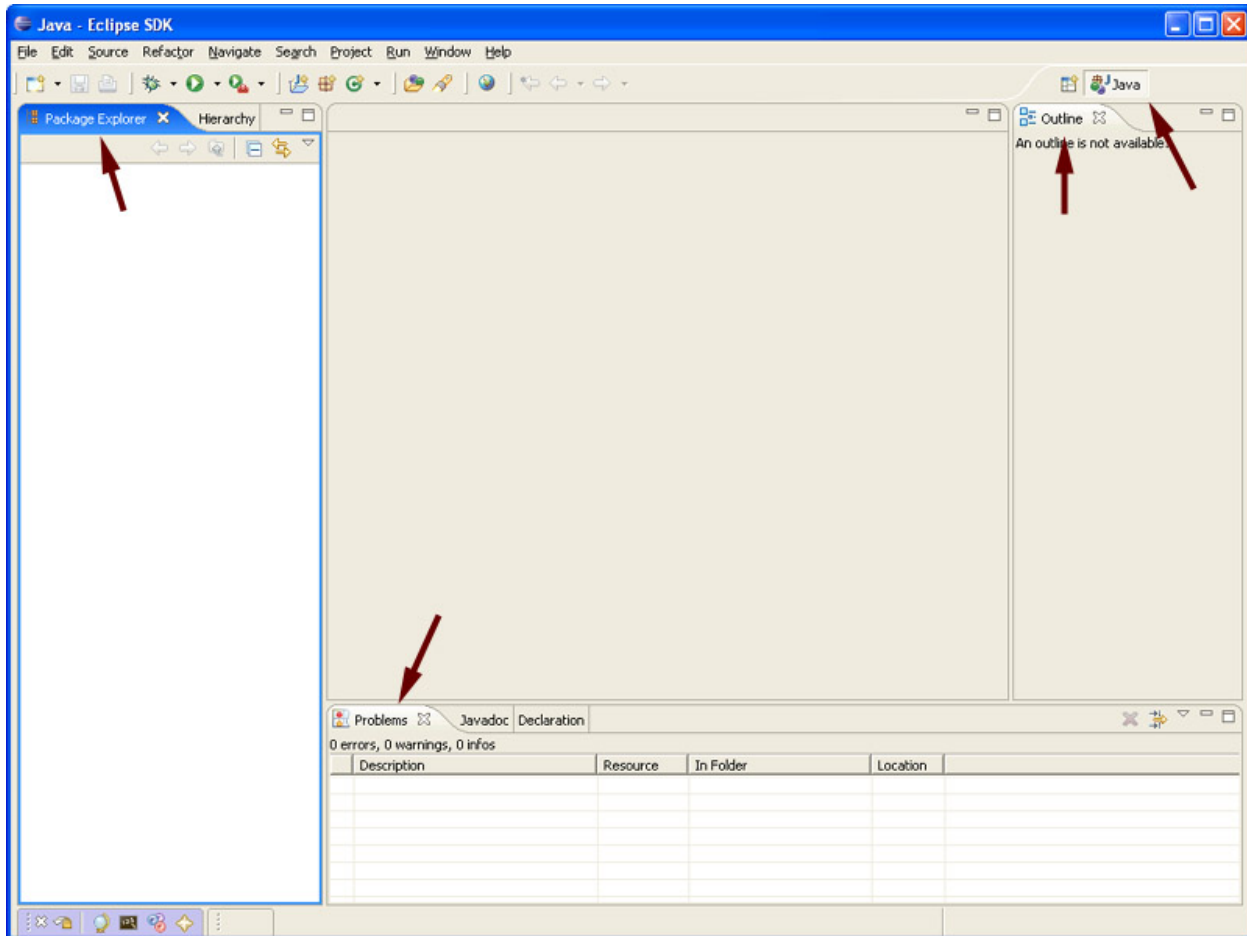


A single Workbench window is displayed. A Workbench window offers one or more perspectives. A perspective contains editors and views, such as the Package Explorer. Multiple Workbench windows can be opened simultaneously. Initially, in the first Workbench window that is opened, the Java perspective is displayed.

(You can get the Welcome view back at any time by selecting **Help > Welcome**.)

A shortcut bar appears in the top right corner of the window. This allows the user to open new perspectives and switch between ones already open. The name of the active perspective is shown in the title of the window and its item in the shortcut bar is highlighted.

The title bar of the Workbench window indicates which perspective is active. In this example, the Java perspective is in use. The Package Explorer, Problems, and Outline views are open along with an editor. The "editor" view is the one in the center of the screen and is currently "empty" because no resources have been opened for editing so far.



Elements of the Workbench

A Workbench consists of:

- perspectives
- views
- editors

Perspective

a group of views and editors in the Workbench window.

One or more perspectives can exist in a single Workbench window, each perspective contains one or more views and editors. Within a window, each perspective may have a different set of views but all perspectives share the same set of editors.

View

a visual component within the Workbench.

Typically used to navigate a hierarchy of information (e.g. the resources in the Workbench), open editors, or display properties for the active editor. Modifications made in a view are saved immediately. Only one instance of a particular type of view may exist within a Workbench window.

Editor

also a visual Workbench-component.

Used to edit or browse resources. Modifications made in an editor are only saved when explicitly requested. Multiple instances of an editor type may exist within a Workbench window concurrently.

Parts

as views and editors have a number of features in common, the term *part* is used to mean either a view or an editor.

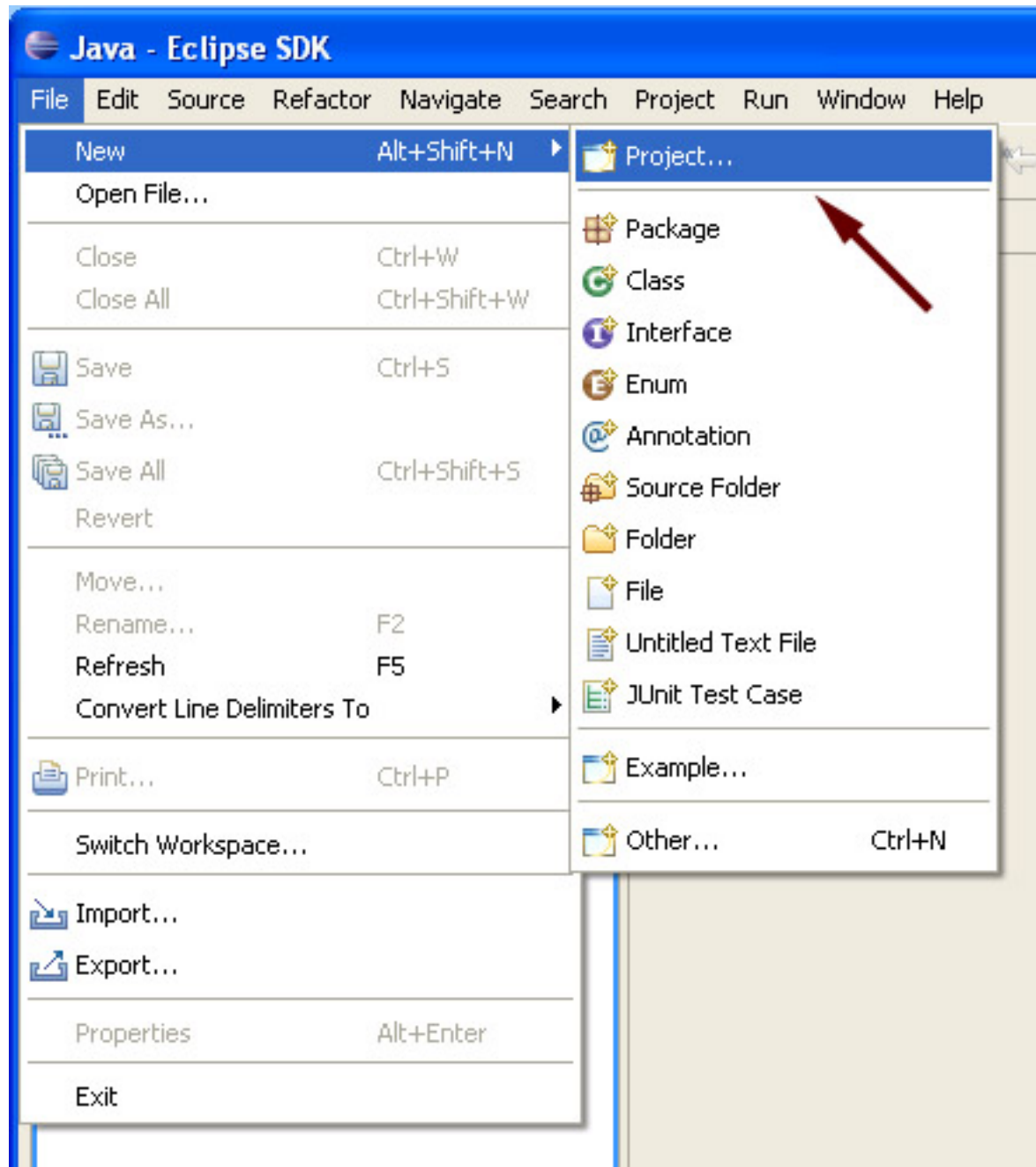
Parts can be active or inactive, but only one can be active at any one time. The active part is indicated by a highlighted title bar and is the target for common operations like cut & paste.

Creating Resources

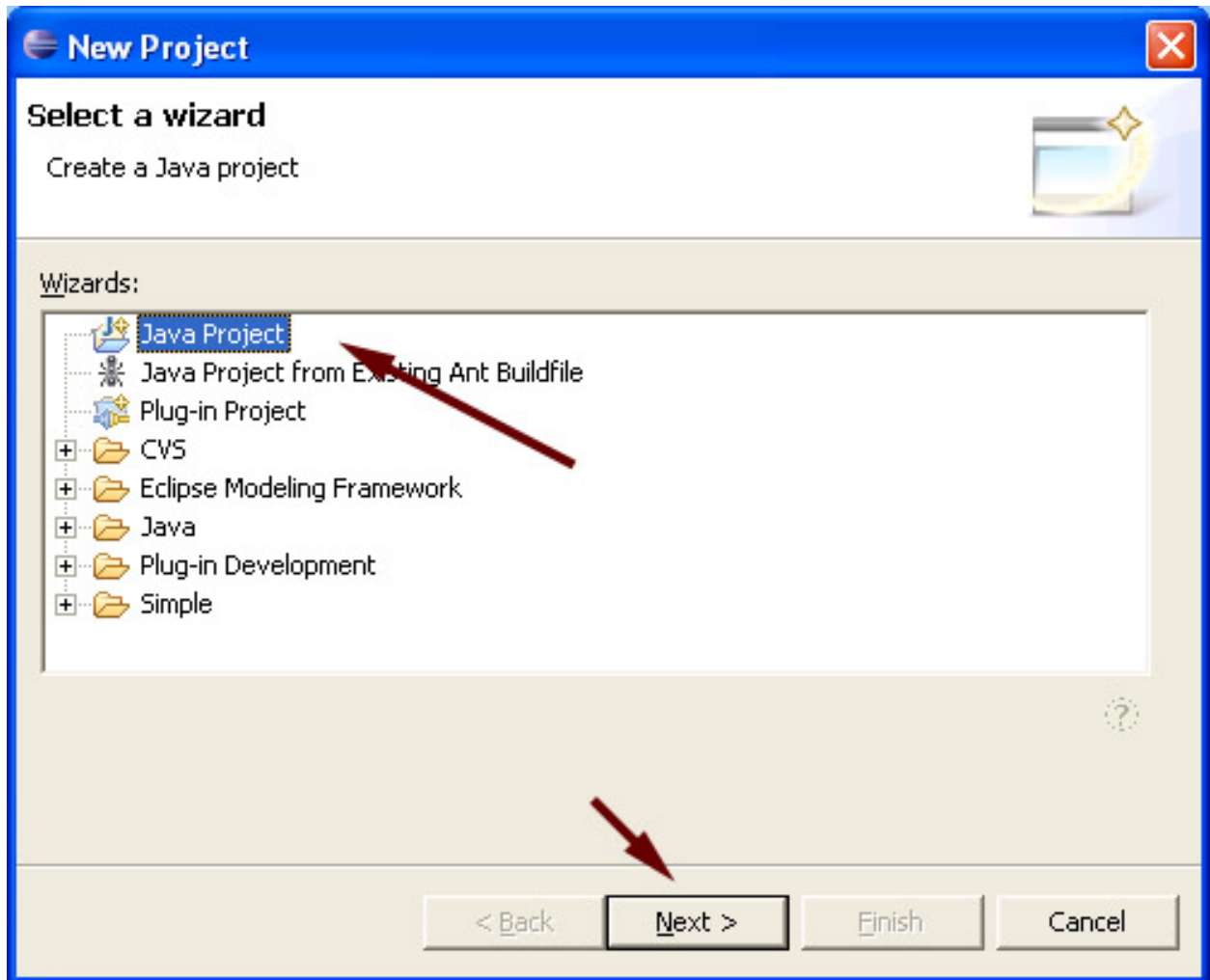
New resources (e.g. projects, folders, files) can be created using several different approaches:

1. **File** menu
2. Navigation view context menu
3. **New Wizard** button

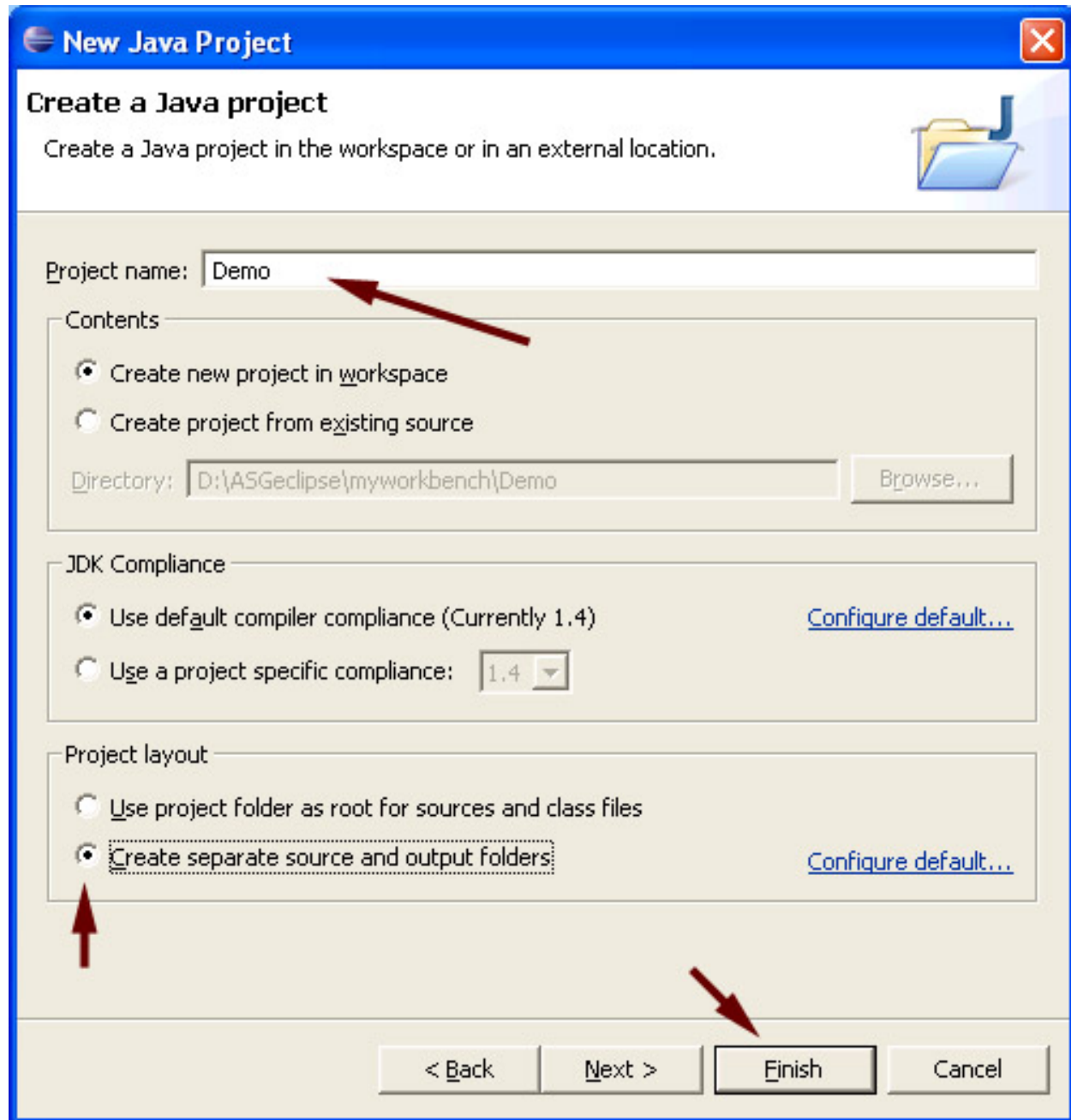
First of all, a *project* must be created using the **File** menu.



The "New Project Wizard" appears, select **Java Project** and click **Next**.



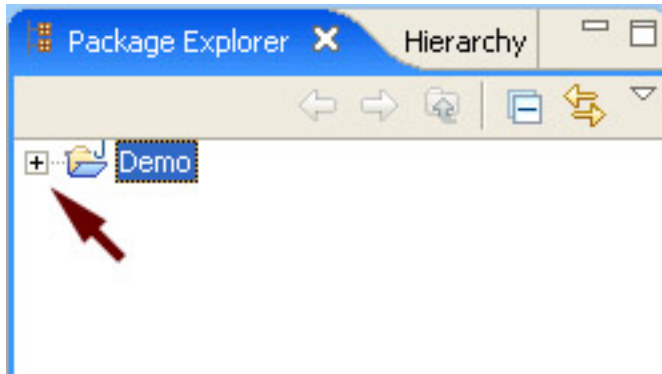
Enter a Project name **Project name**, make sure to check the **Create separate source and output folders** selection, click **Finish** to create the project.



The **Package Explorer** now shows the project folder you just created, the "+" icon to the left of the project name indicates the folder is not empty, so click the "+" sign to see what's there.



Note: The symbol used to indicate a resource has contents and can be "unfold" is platform specific, this will be a "+" sign on Windows, an arrow on Linux.



The New (Java) Project Wizard did the following:

- create an empty srcfolder
- add the Java Runtime Environment (JRE) to the project's class-/buildpath

