







— Getting Started —

Creating a webMethods ApplinX Web Application

JSP

	Creating an ApplinX Web Application using the Software AG Designer based on Eclipse (recommended)
	Creating an ApplinX Web Application using JDK and Tomcat (no IDE)

.NET

	Creating an ApplinX Web Application using Visual Studio 2005
	Creating an ApplinX Web Application using Visual Studio 2008
	Creating an ApplinX Web Application using .NET SDK 2.0 (no IDE)
	Upgrading an ApplinX Web Application from Visual Studio 2003 to 2005

Creating an ApplinX Web Application using the Software AG Designer based on Eclipse (recommended)

The following is based on the released Eclipse version. Additional information can be found on Eclipse web site and WTP (Web tool platform) site.

► To create a new **Dynamic Web** project you need to create a project, a server and a JRE (JDK)

1. In the Eclipse workspace, select **File > New > Project** to create a new project.
2. Select **Web > Dynamic Web Project**.
3. Click **Next** to create a new J2EE Web project. The *Dynamic Web Project* dialog box is displayed.

New Dynamic Web Project

Dynamic Web Project

Create a standalone Dynamic Web project or add it to a new or existing Enterprise Application.

Project name:

Project contents:

☒ Use default

Directory:

Target Runtime

Configurations

A good starting for working with J2EE Runtime Library runtime. Additional facets can later be installed to add new functionality to the project.

EAR Membership

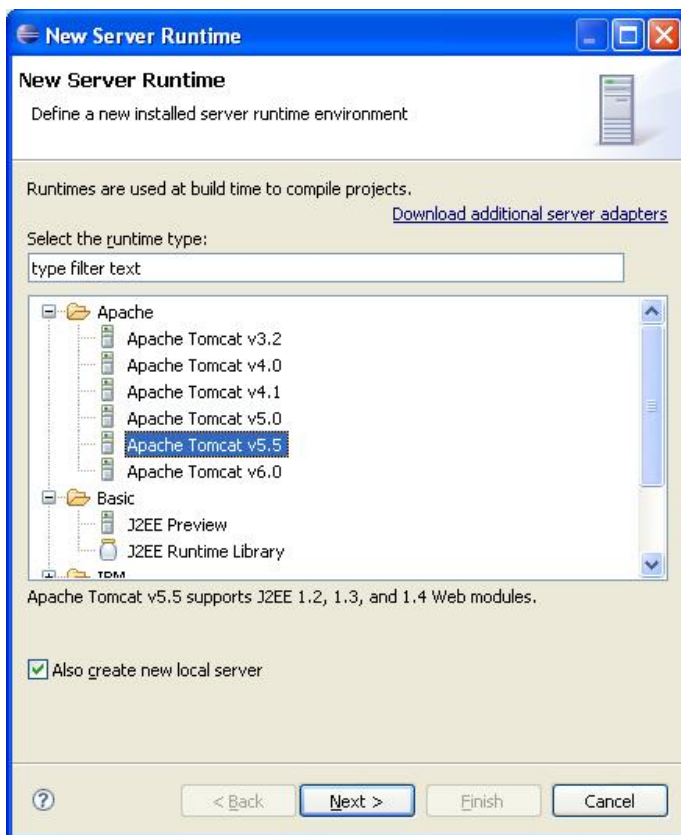
☐ Add project to an EAR

EAR Project Name:

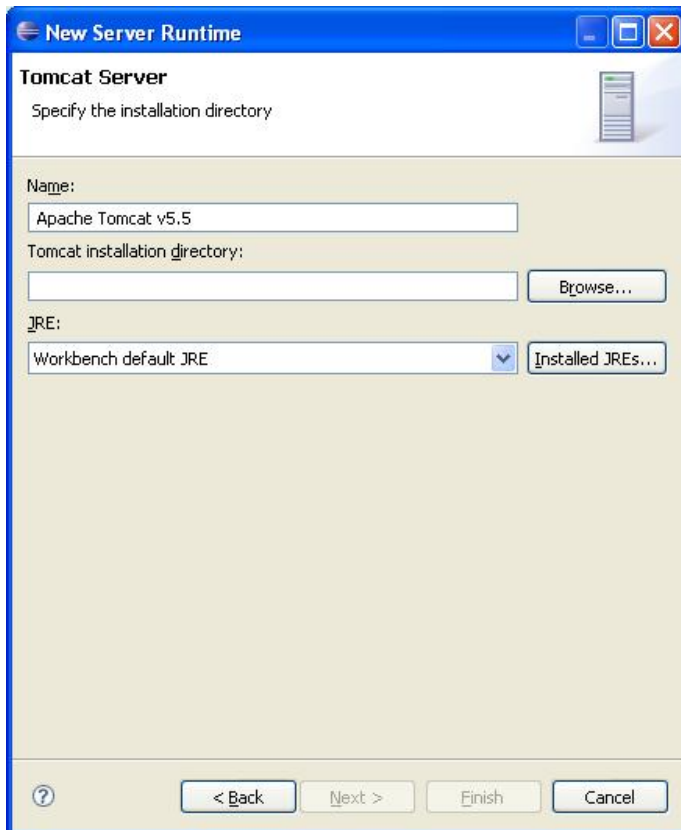
4. Enter a name for the project.
5. In the Target Runtime field, select the Tomcat installation: click **New...** and select the server to be used (Tomcat v 5.5).

Note:

Currently the Software AG common Tomcat cannot be used to create a Web application and you are required to install an additional Tomcat 5.5 version.



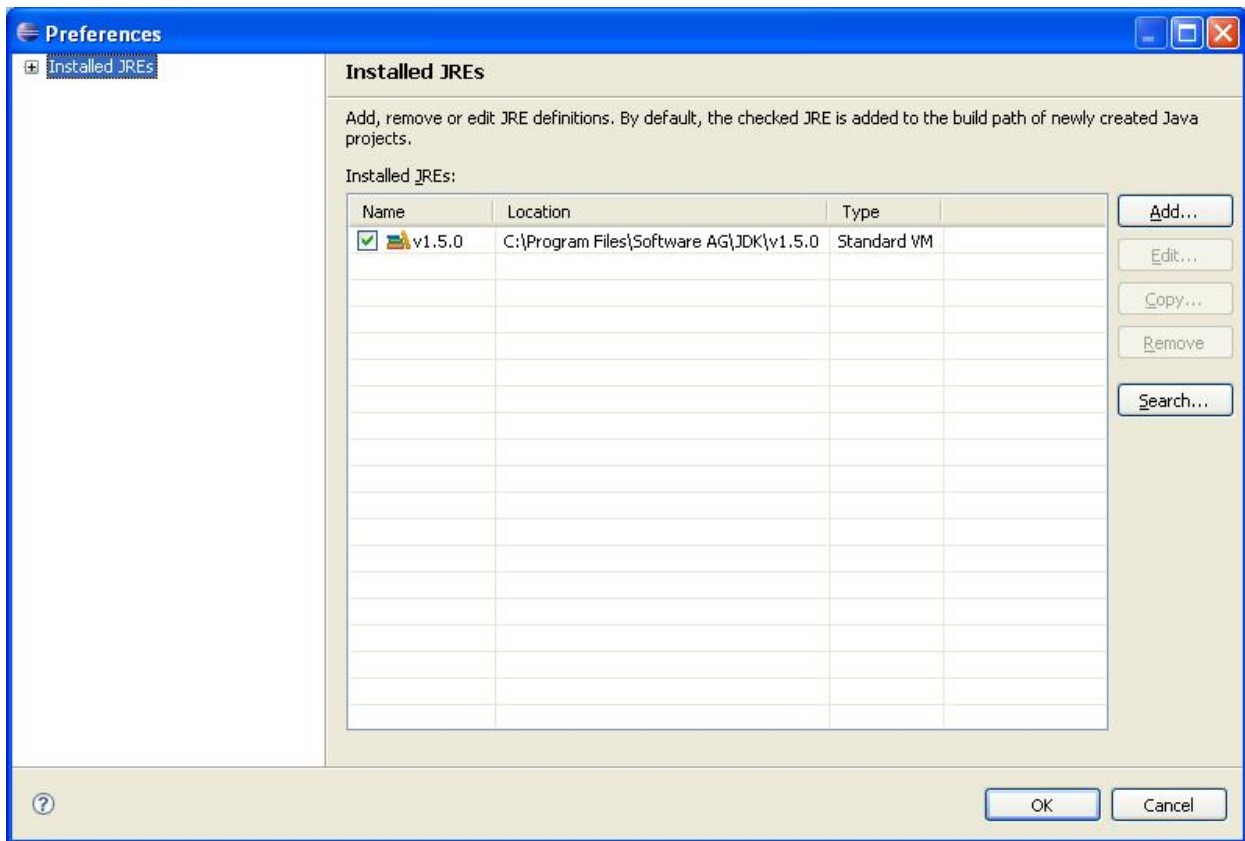
6. Click **Next**.



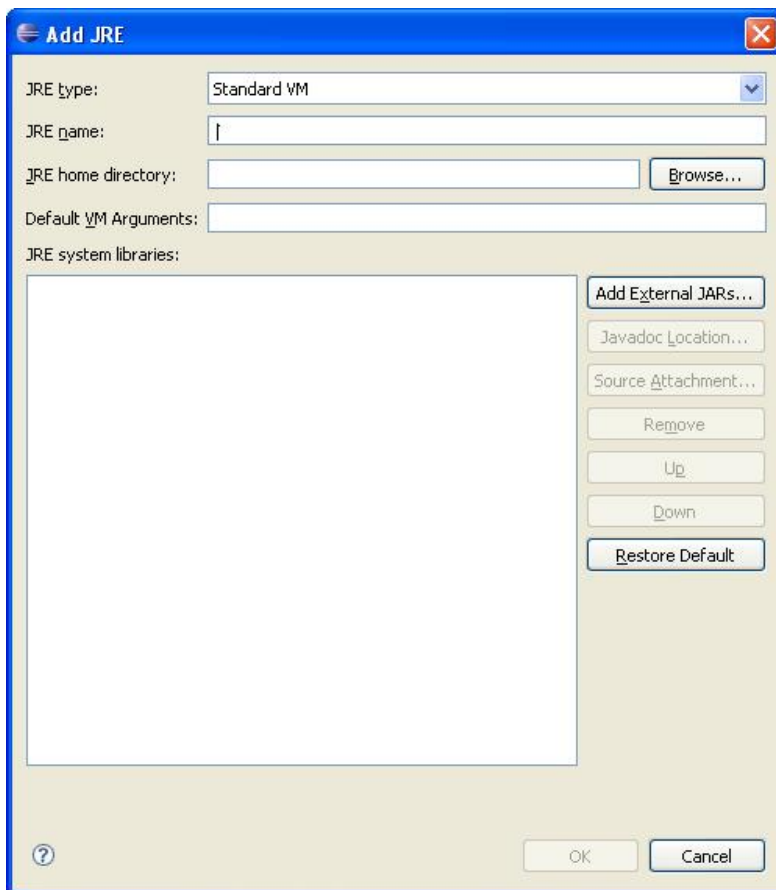
7. Browse and select the Tomcat installation from the Software AG installation directory: C:\Program Files\Software

AG\Tomcat\cp8.0

8. Select a JRE or click **Installed JREs...** to add a new JRE. The *Preferences dialog* box is displayed.



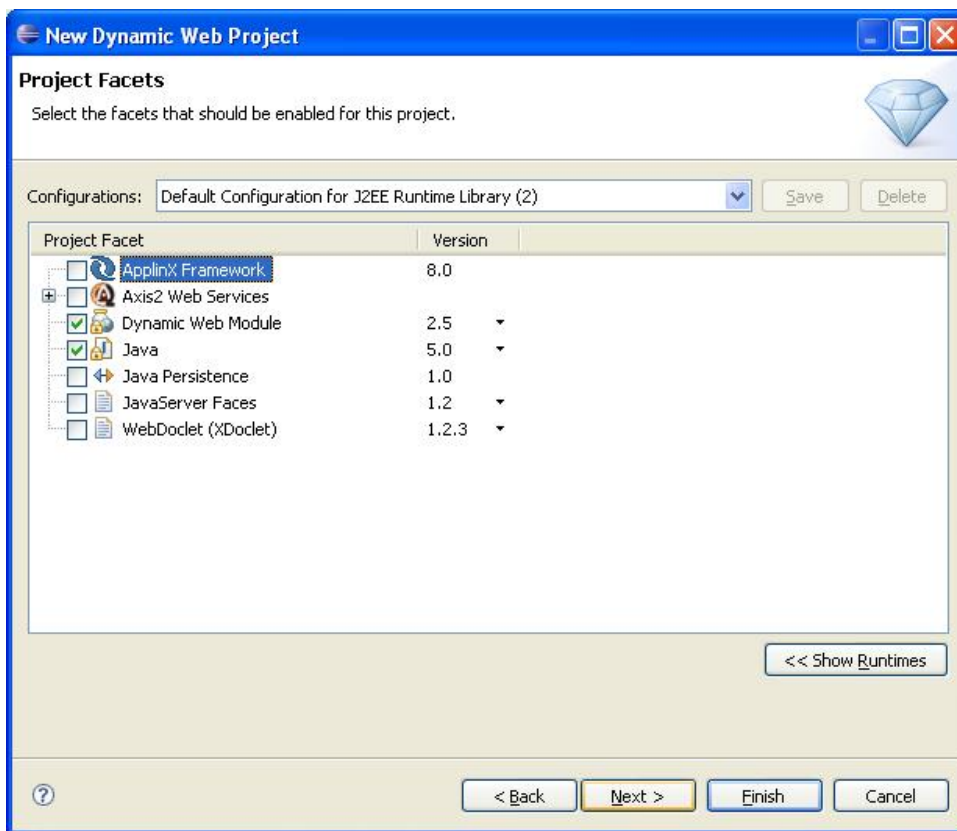
9. Define the Runtime Environment (JRE) for the server: JSP server requires a full JDK and not only the JRE bundle. If you need to add a new JRE, click the **Add...** button.



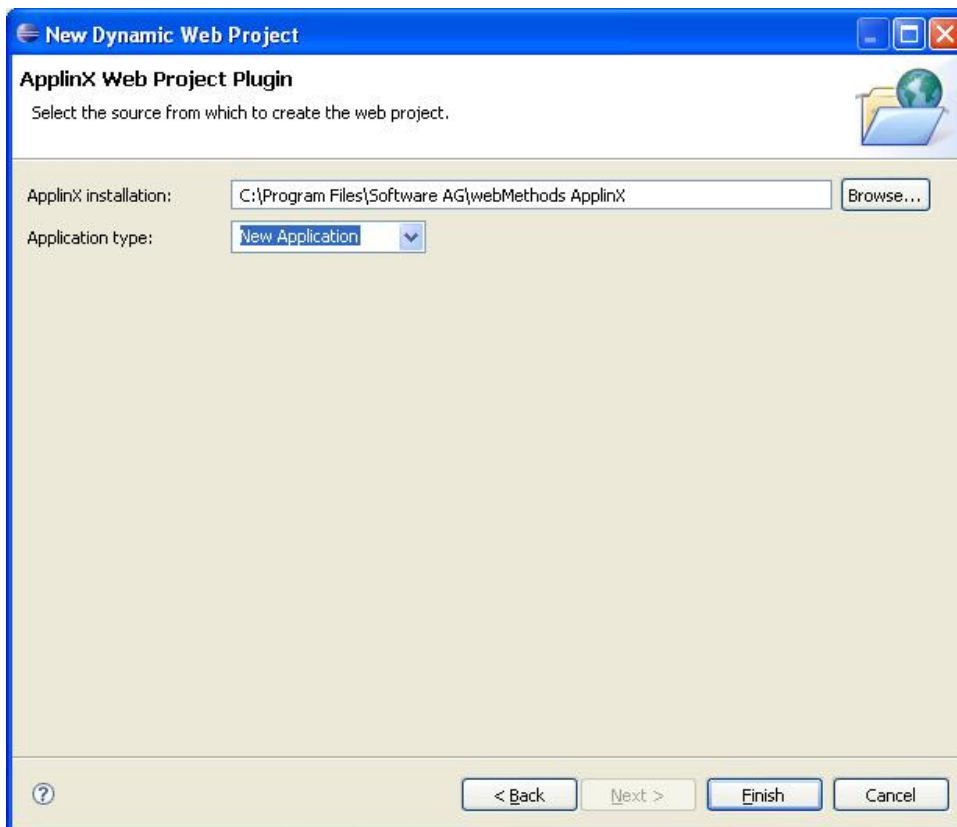
10. Assign a name to the new JRE.
11. Enter the JRE home directory (when necessary, click **Browse...** to locate the file).
12. Add VM arguments when required.
13. Click **OK** to return to the New Server Runtime dialog box. Select the newly created JRE. Click **OK**.
14. Click **Finish**. The New Dynamic Web Project dialog box is displayed.

You have completed the configuration of the flexible project, the server (Tomcat) and the JDK.
15. Change the Configurations to Custom and click Modify.

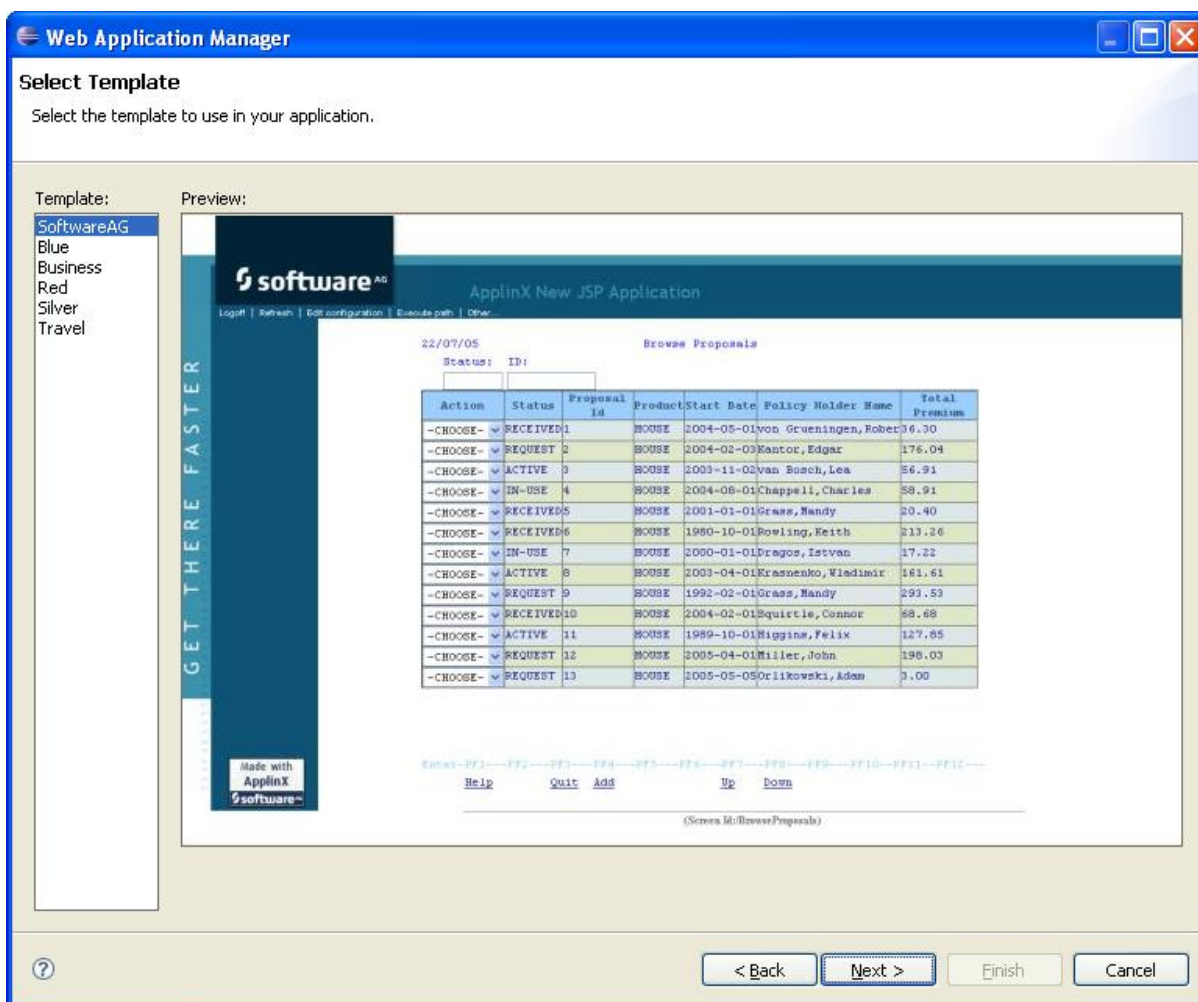
Select ApplinX Framework. Ensure that Dynamic Web Module and Java check boxes are selected.



16. Click **Next**.
17. Click **Next**.
18. Select ApplinX installation from which to create the Web project and select the application type.



19. Click **Next**. *Select Template* screen is displayed.



Select the template to use in your application.

20. Click **Finish**.

You have completed the creation of a standard J2EE Web module.

21. Ensure that in the Project menu, **Build Automatically** is selected.

To run the project, right-click on the project's folder in the Project Explorer and select **Run As > Run on Server....**

The first time you run a project you are required to select a default server:

Select the server you configured.

Select the **Set server** as project default (do not prompt) checkbox.

The next time you run the application this dialog box will be displayed, with the default server selected.

Click **Finish** to continue. A browser window will be opened.

Note: The browser type can be configured under: general > Web Browser. It is recommended to configure it to: Default system Web browser

Enabling using the Javadoc Functionality

When using the Javadoc you will have:

- ▮ Online usage of the Eclipse Javadoc for ApplinX API
- ▮ Suggested argument names for the ApplinX API, instead of arg0,arg1, etc.

► To use Javadoc capabilities when developing your project

1. Right-click on the project node and select **Build Path>Configure Build Path...**. The Properties dialog box is displayed.
2. In the **Libraries** tab, gxframework.jar node, click on the Javadoc location and then click on the Edit... button to determine the location of the Javadoc.
3. Enter `http://localhost:2380/applinx-help` in the Javadoc location path and click **OK**.
4. Click **OK** to close the Properties dialog box.



Creating an ApplinX Web Application using JDK and Tomcat (no IDE)

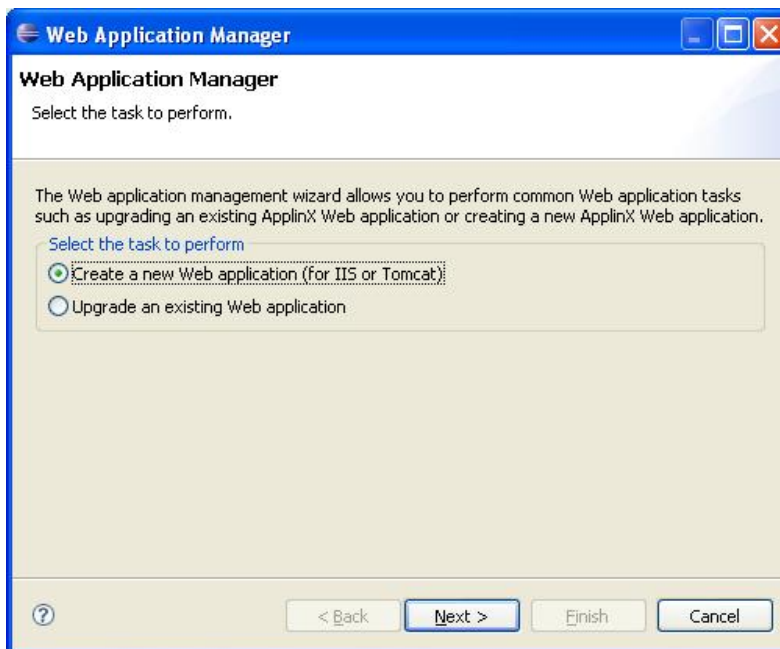
Note:

This is not available when working with a SOA license.

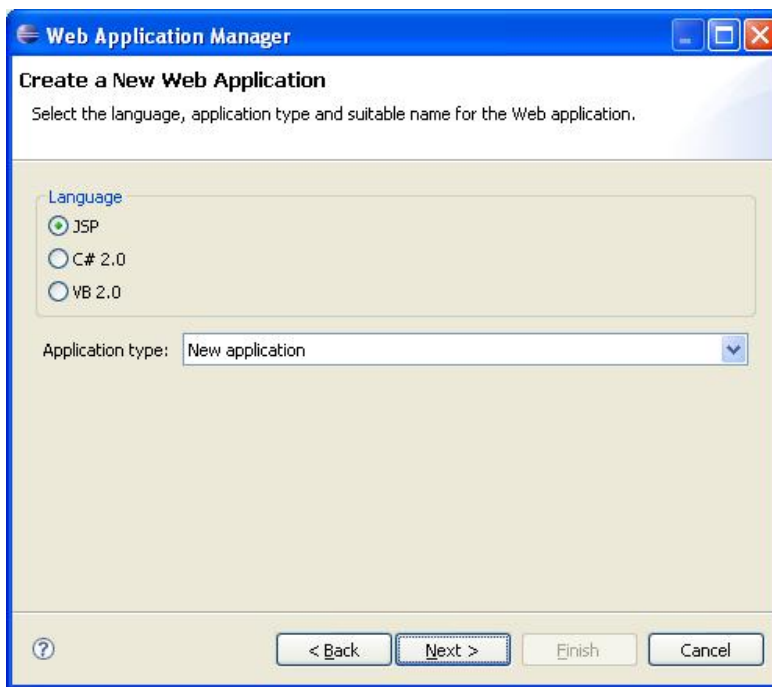
► To create a new JSP application without any IDE and with JDK:

Refer to the [ApplinX JSP Framework Prerequisites](#).

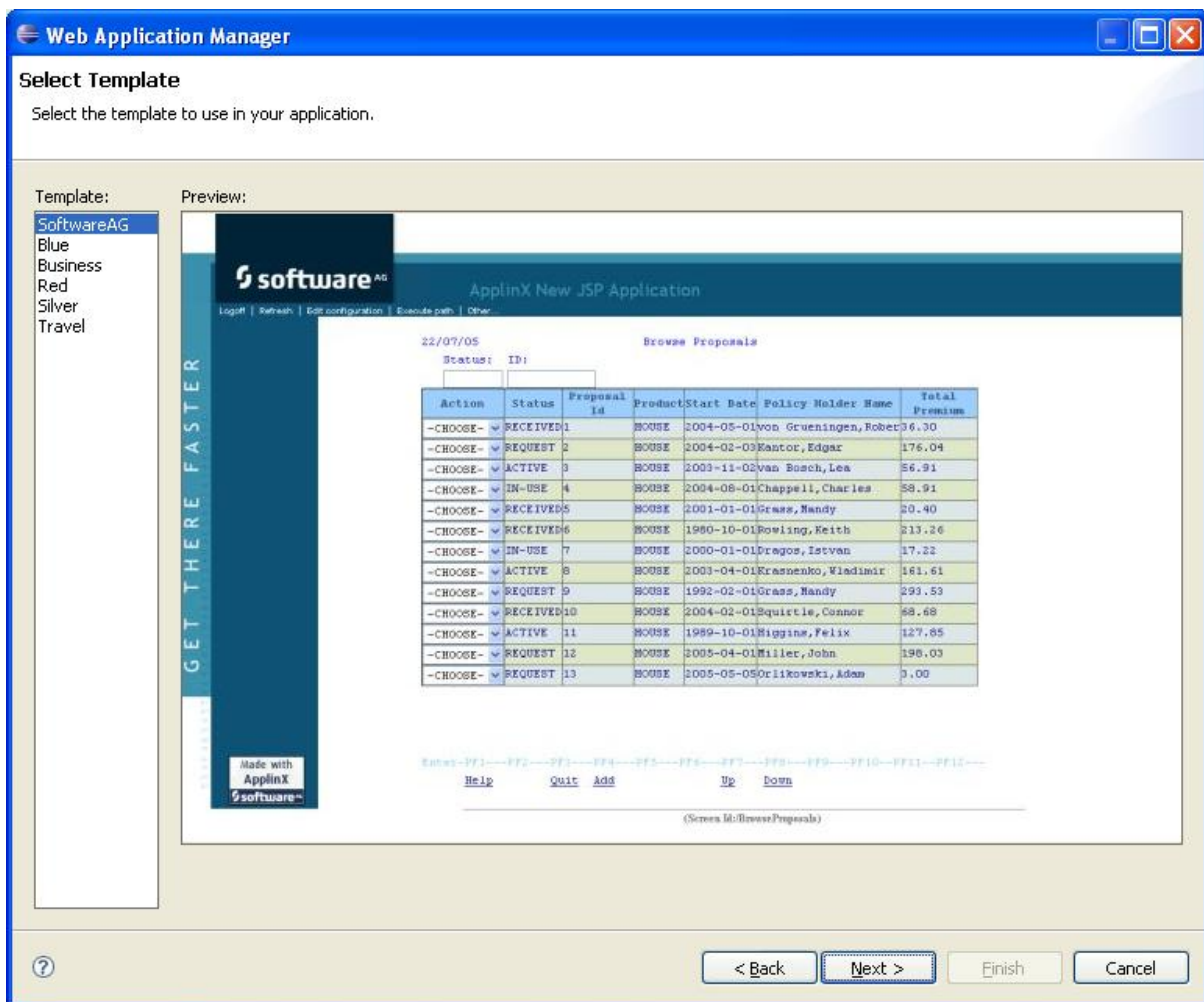
1. During the installation process, choose the option **ApplinX JSP Framework**.
2. In the ApplinX Explorer node, right-click on the relevant application and select **Web Application Manager...**. The *Web Application Manager Wizard* is displayed.



3. Ensure that **Create a new Web application (for IIS or for Tomcat)** is selected. Click **Next**. The *Create a New Web Application* screen is displayed.

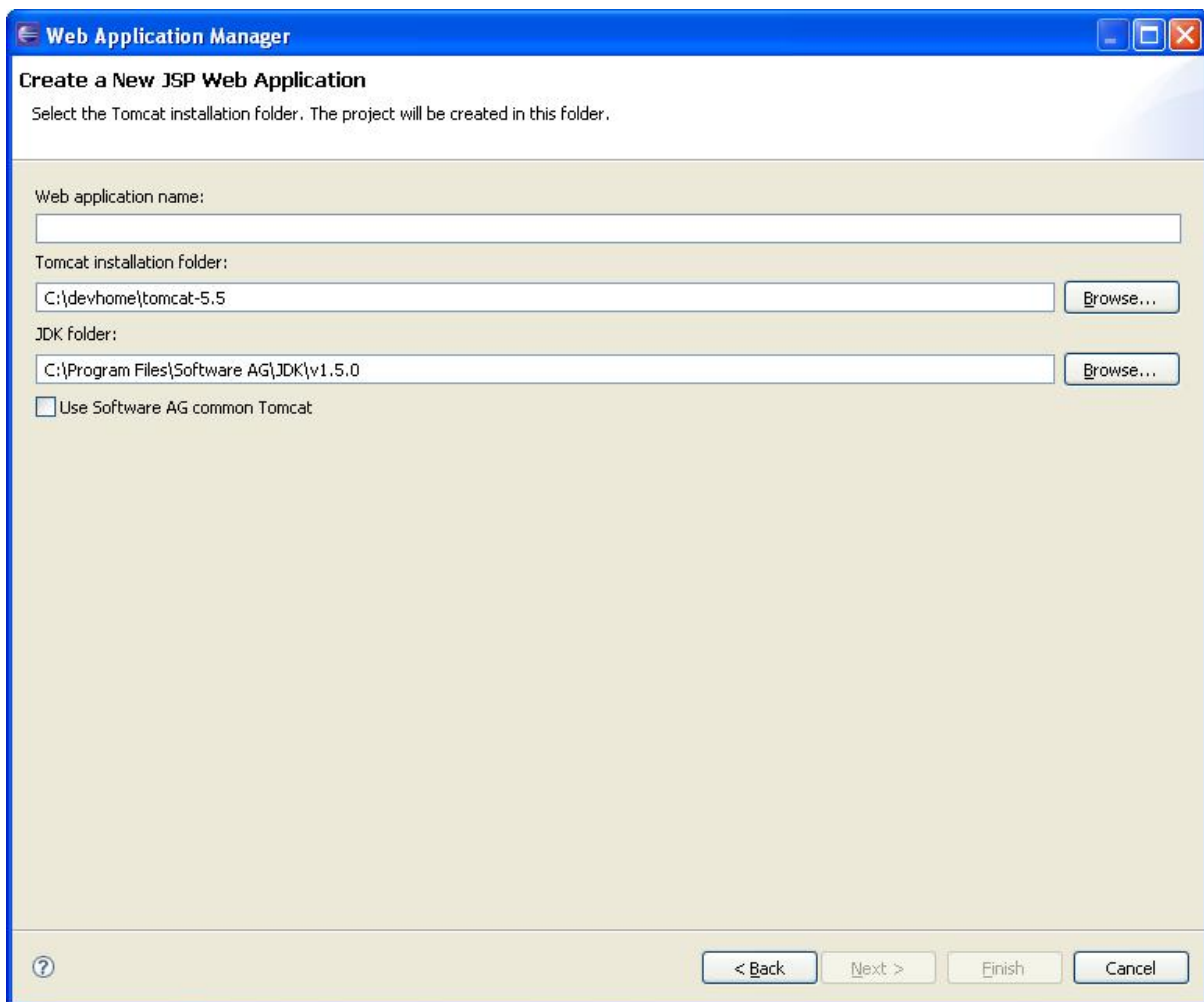


4. Ensure that JSP is selected. Select the application type: New application to create a basic ApplinX Web application with a Web look and feel or Emulation template to create an ApplinX Web application with a host look and feel.
5. Click **Next**. *Select Template* screen is displayed.



Select a template from the list on the left.

- Click **Next**. The *New JSP Web Application* screen is displayed.



Enter a name for the Web application. By default this is the name of the ApplinX application that you selected. Browse and select the folder where Tomcat is installed. Select the location of the JDK installation.

When you wish to use Software AG's common Tomcat, select the suitable check box.

7. Click **Next**. The *Wizard Summary* screen is displayed.
8. Select whether to launch the browser when the process is completed.
9. Select whether to restart Tomcat. This is only relevant when Tomcat is activated from a batch file. The Framework Manager does not support restarting Tomcat when Tomcat runs as a Windows Service (in this case, you need to manually restart Tomcat).
10. Click **Finish**. A message will be displayed indicating whether the process succeeded or failed.

Note:

Any change in the Java file requires recompilation of your new application. Changes in JSP files do not require recompilation. Furthermore, Tomcat requires reloading: [http://localhost:8080/manager/reload?path=/**<YOUR_APP_NAME>**](http://localhost:8080/manager/reload?path=/<YOUR_APP_NAME>).



Creating an ApplinX Web Application using Visual Studio 2005

► To create a new ASP .NET application with Visual Studio .NET

If you do not have Visual Studio 2005, it is possible to download and use Microsoft Visual Web Developer 2005 Express Edition from <http://www.microsoft.com/express/2005/> (requires installing J#2.0 <http://www.microsoft.com/downloads/details.aspx?familyid=f72c74b3-ed0e-4af8-ae63-2f0e42501be1&displaylang=en&displaylang=en>). When using this Edition, the add-ins will not work.

1. Install Microsoft Visual Studio.NET 2005 on your computer.
2. Open VS.NET 2005.
3. In the **File** menu select **New** and then **Web Site...** to create a new Web site. The New Web Site dialog box is displayed.
4. Select the relevant ApplinX Web application type (Visual C# or Visual Basic).
5. Run index.aspx page.
6. In the Framework Configuration Editor, define the connection parameters as follows:
 - a. Click on the Framework Configuration link. The Configuration Editor will be displayed.
 - b. In the **Session** node enter the Application name. By default the application name is "InstantDemo". In the **Session** node it is possible to edit and configure additional connection and project properties.
 - c. Click **Save** to save your changes.
 - d. Click **Close** to return to the Web application.



Creating an ApplinX Web Application using Visual Studio 2008

► To create a new ASP .NET application with Visual Studio .NET

If you do not have Visual Studio 2008, it is possible to download and use Microsoft Visual Web Developer 2008 Express Edition from <http://www.microsoft.com/express/2008/> (requires installing J#2.0 <http://www.microsoft.com/downloads/details.aspx?familyid=f72c74b3-ed0e-4af8-ae63-2f0e42501be1&displaylang=en&displaylang=en>). When using this Edition, the add-ins will not work.

1. Install Microsoft Visual Studio.NET 2008 on your computer.
2. Install J# 2.0 redistributable.
3. Open VS.NET 2008.
4. In the **File** menu select **New** and then **Web Site...** to create a new Web site. The New Web Site dialog box is displayed.
5. Select a new .NET Web site (Visual C# or Visual Basic).
6. Delete all the files in the web site.
7. Copy all files of the relevant ApplinX .NET web application from the installation into the web site in Visual Studio 2008.
8. Run index.aspx page.
9. In the Framework Configuration Editor, define the connection parameters as follows:
 - a. Click on the Framework Configuration link. The Configuration Editor will be displayed.
 - b. In the **Session** node enter the Application name. By default the application name is "InstantDemo". In the **Session** node it is possible to edit and configure additional connection and project properties.
 - c. Click **Save** to save your changes.
 - d. Click **Close** to return to the Web application.

Note:

.NET Plugins are not supported in Visual Studio 2008.



Creating an ApplinX Web Application using .NET SDK 2.0 (no IDE)

Note:

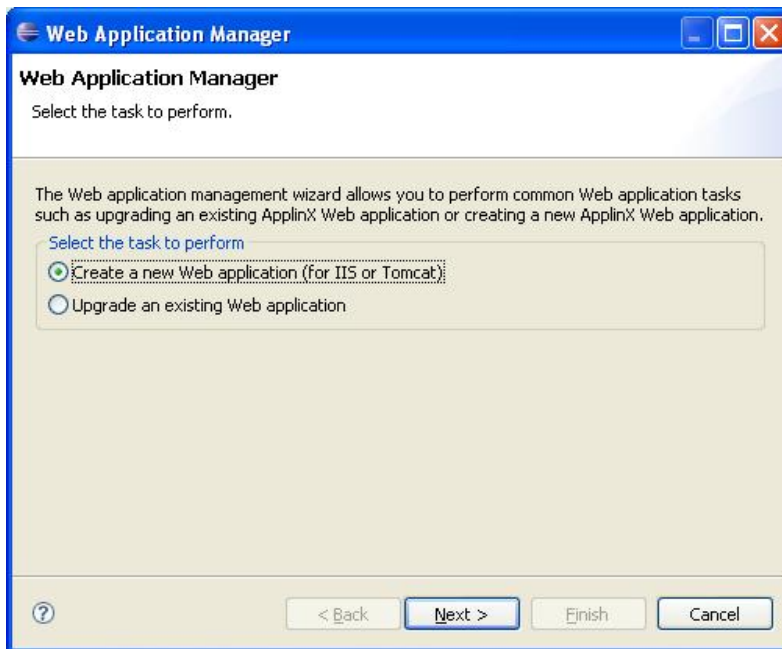
This is not available when working with a SOA license.

► To create a new ASP.NET application without Visual Studio.NET with .NET SDK.

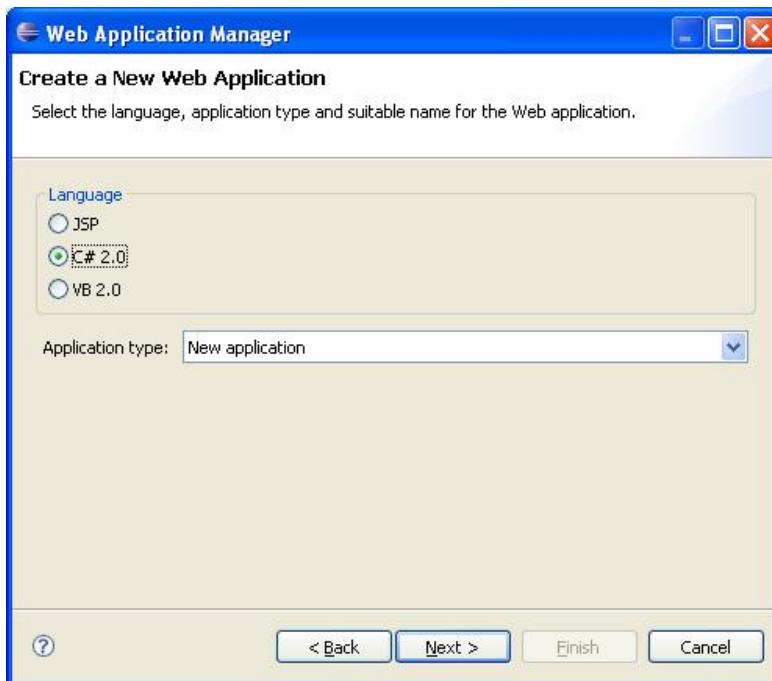
When you have more than one .NET SDK installed, ensure that IIS is configured to work with .NET 2.0. Refer to [ApplinX .NET prerequisites](#).

1. During ApplinX installation select the ApplinX ASP.NET Web Framework C#/VB .NET option.

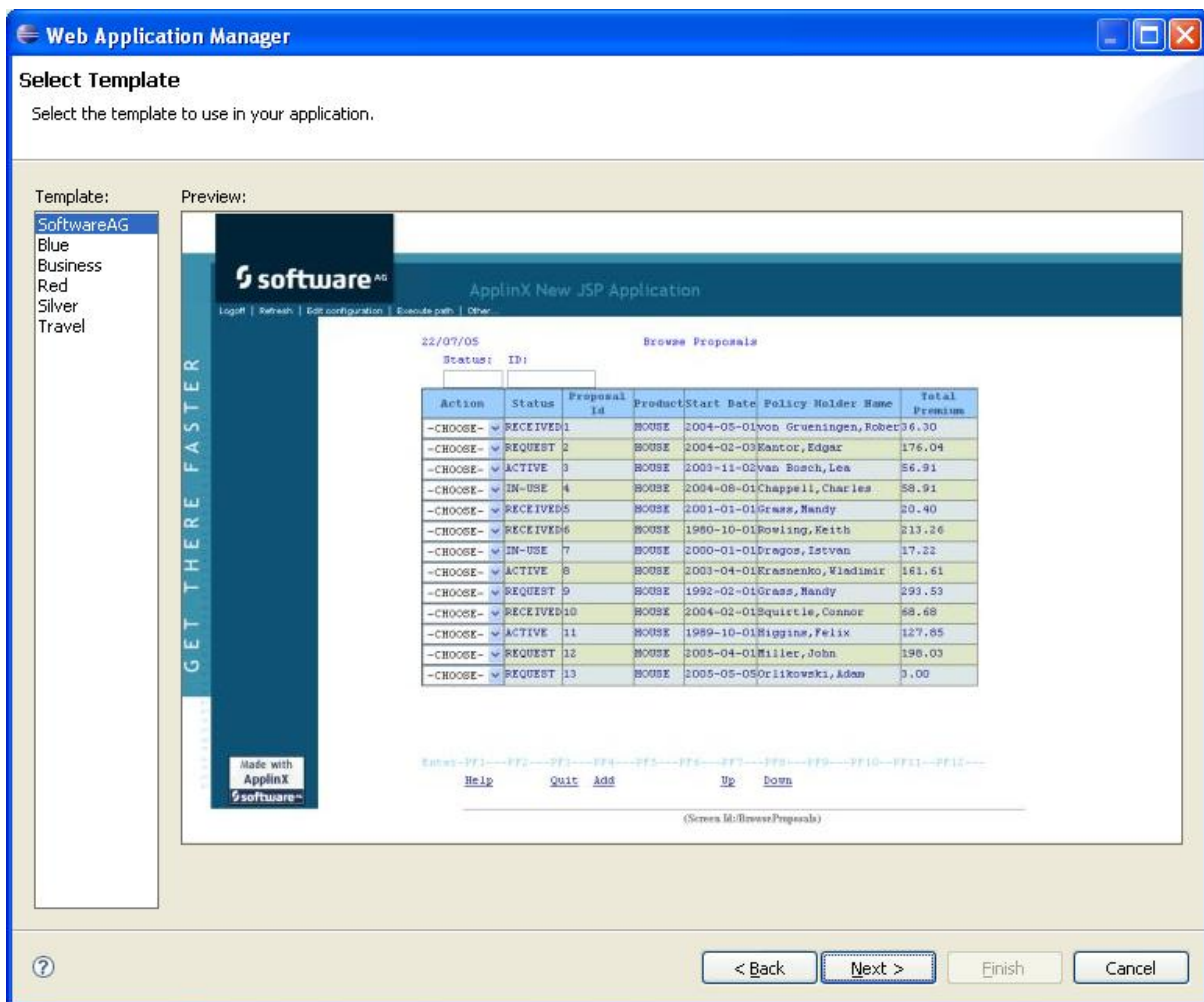
2. In the ApplinX Explorer node, right-click on the relevant application and select **Web Application Manager....**The *Web Application Manager Wizard* is displayed.



3. Ensure that **Create a new Web application (for IIS or for Tomcat)** is selected. Click **Next**. The *Create a New Web Application* screen is displayed.

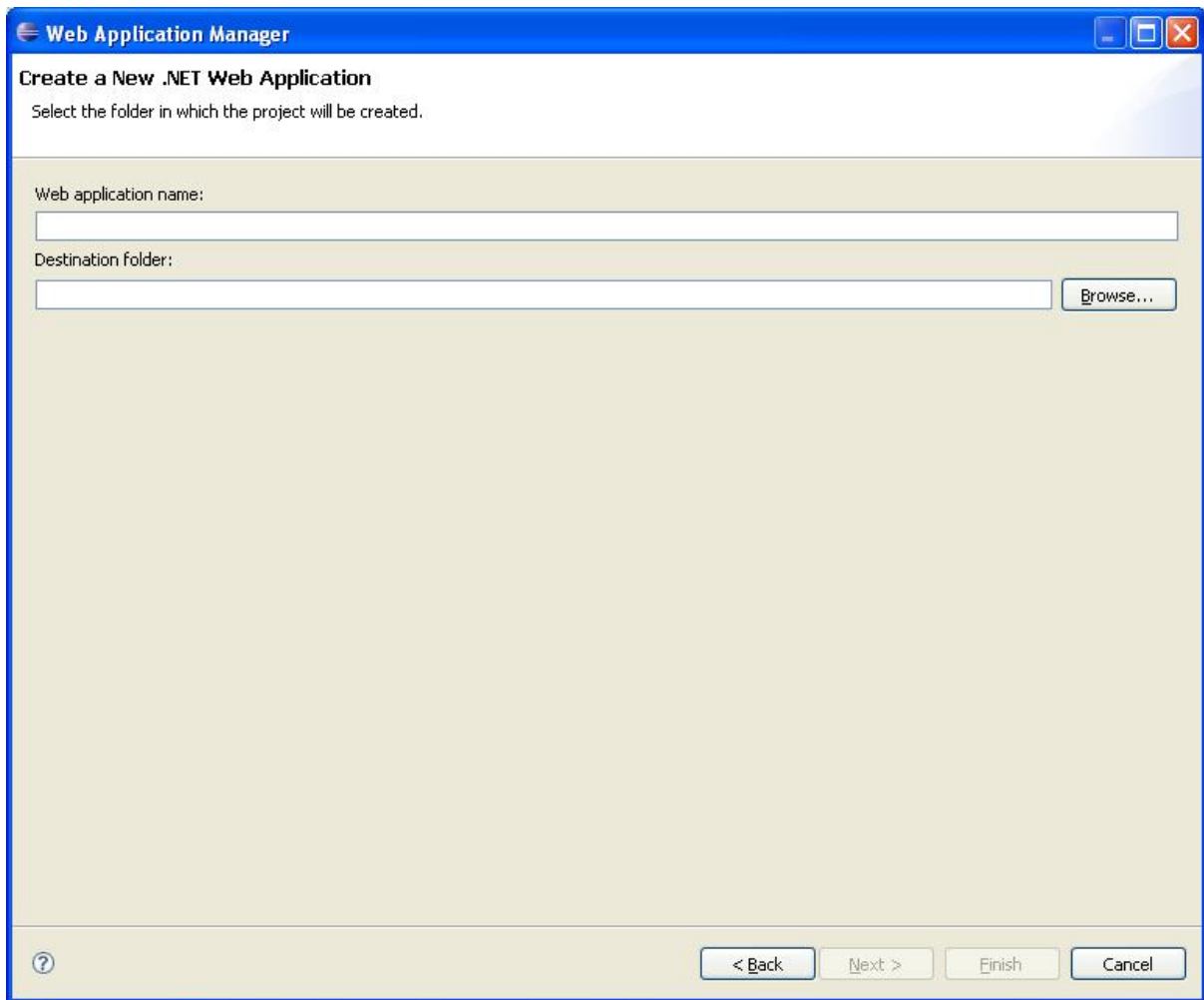


4. Ensure that C# 2.0 or VB 2.0 are selected. Select the application type: New application to create a basic ApplinX Web application with a Web look and feel or Emulation template to create an ApplinX Web application with a host look and feel.
5. Click **Next**. *Select Template* screen is displayed.



Select a template from the list on the left. Click **Next**.

- The *Create a New .NET Web Application* screen is displayed.



7. Enter a name for the Web application. By default this is the name of the ApplinX application that you selected. Browse and select the destination folder.
8. Click **Next**. The *Wizard Summary* screen is displayed.
9. Select whether to launch the browser when the process is completed.
10. Click **Finish**. A message will be displayed indicating whether the process succeeded or failed.



Upgrading an ApplinX Web Application from Visual Studio 2003 to 2005

► To upgrade a project from Visual Studio 2003 to Visual Studio 2005

1. Convert the project as detailed in the following link: <http://msdn.microsoft.com/en-us/library/ms228097.aspx>, Migrating a Visual Studio .NET 2003 Web Project to a Web Application Project.
2. Close the upgraded project.
3. In ApplinX upgrade your Web application using the ApplinX Web Application Manager.
4. Reopen the project in Visual Studio 2005.

