

Spago Plugin for Eclipse Installation and user guide

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INDEX

1	VERSIONS HISTORY.....	3
2	DOCUMENT GOAL.....	3
3	REFERENCES	3
4	PREREQUISITES.....	4
5	INSTALLATION.....	4
6	USING THE PLUGIN.....	4
6.1	CREATE THE WEB APPLICATION	4
6.2	ADD SPAGO NATURE.....	6
6.3	ADD SPAGO TREE.....	9
6.4	REMOVE SPAGO NATURE	12

1 Versions History

Version/Release n° :	1.0	Data Version/Release :	4 October 2005
Description:	First release (english version)		

2 Document Goal

The goal of this document is to explain the usage of the Spago plugin for Eclipse.

3 References

You can find more information about Spago framework in the following documents downloadable from SourceForge at:

http://sourceforge.net/project/showfiles.php?package_id=132036&group_id=119426 :

- [1] *Spago Overview*
- [2] *Spago User Guide*

4 Prerequisites

The plugin is compatible with Eclipse 3.1 and was tested with the plugin WebTools.

5 Installation

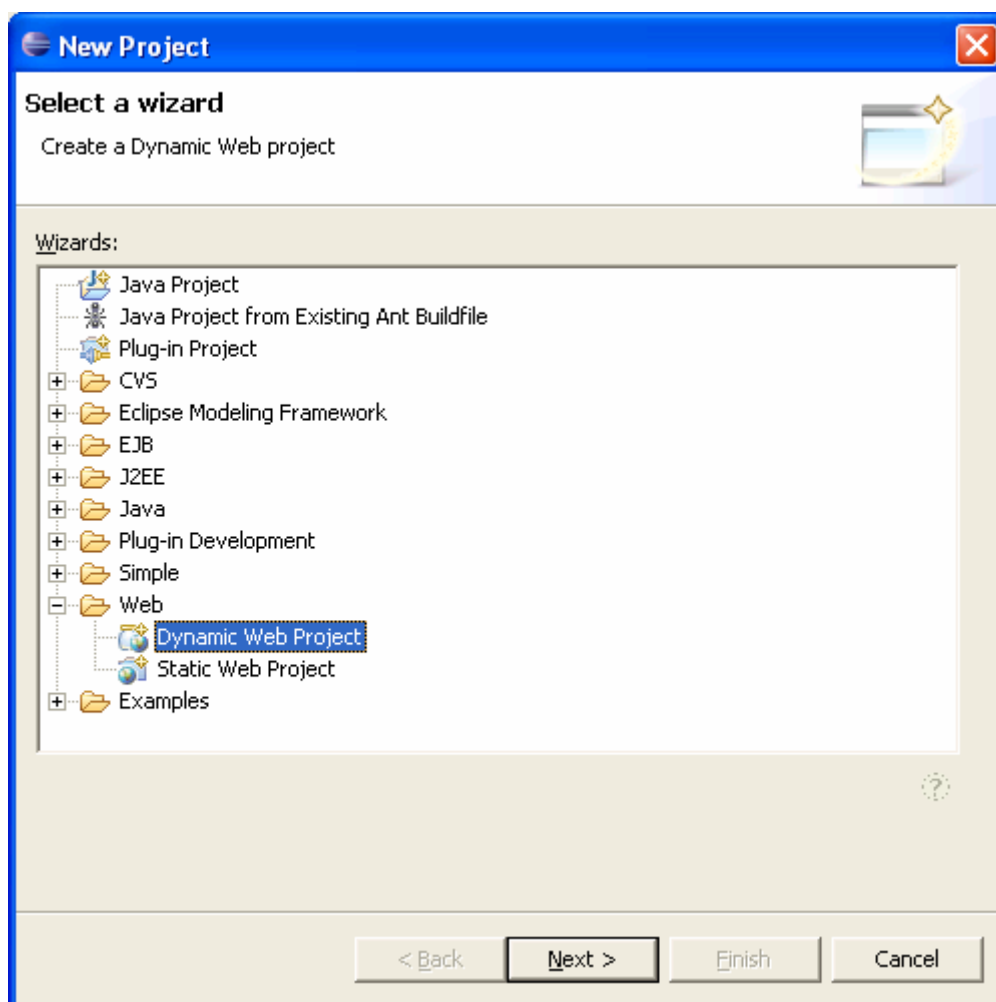
Unzip the file SpagoPlugin.zip in the Eclipse folder and restart Eclipse.

6 Using the plugin

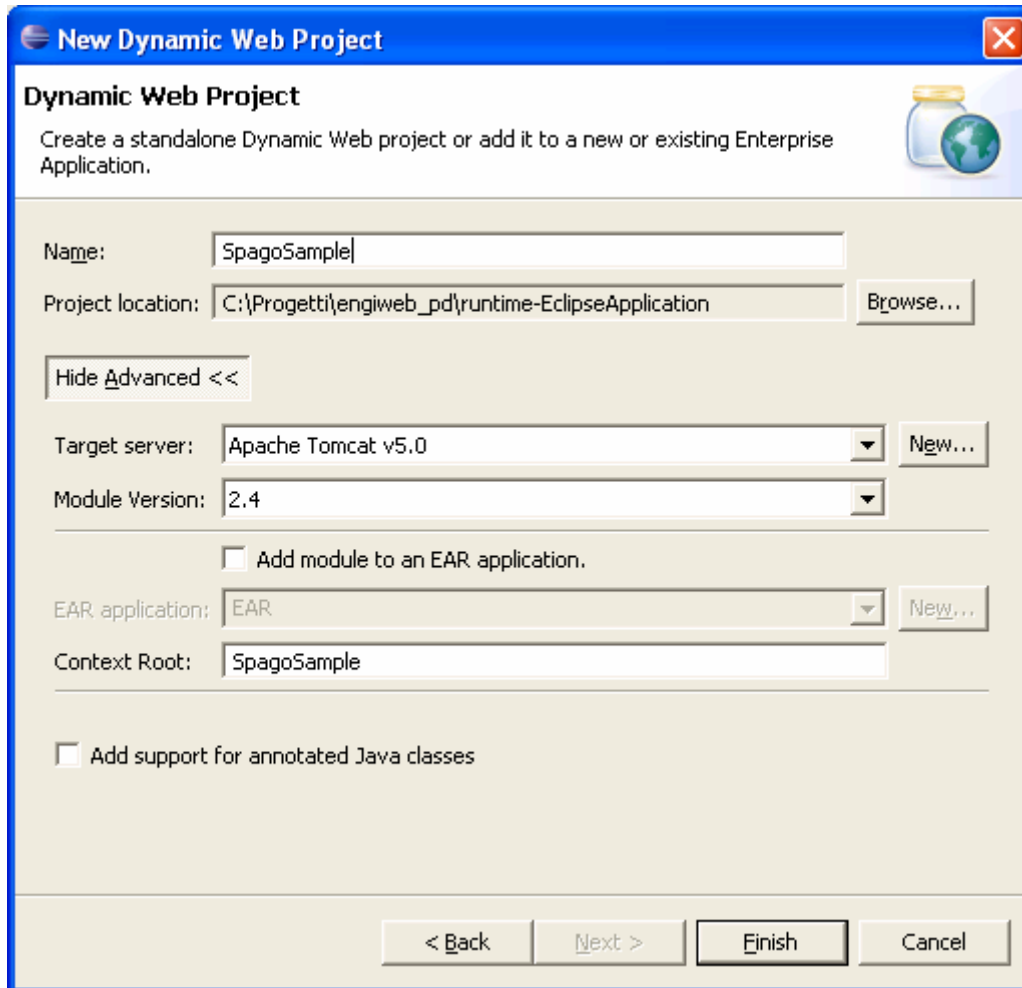
We explain the features of the plugin creating a new Web application.

6.1 Create the Web application

First of all, you have to create a Web application: we'll use the WebTools plugin to create a new Web application.



Call the new application “**SpagoSample**” and choose “**Apache Tomcat v5.0**” as application server.



New Dynamic Web Project

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

Name:

Project location:

Target server:

Module Version:

☐ Add module to an EAR application.

EAR application:

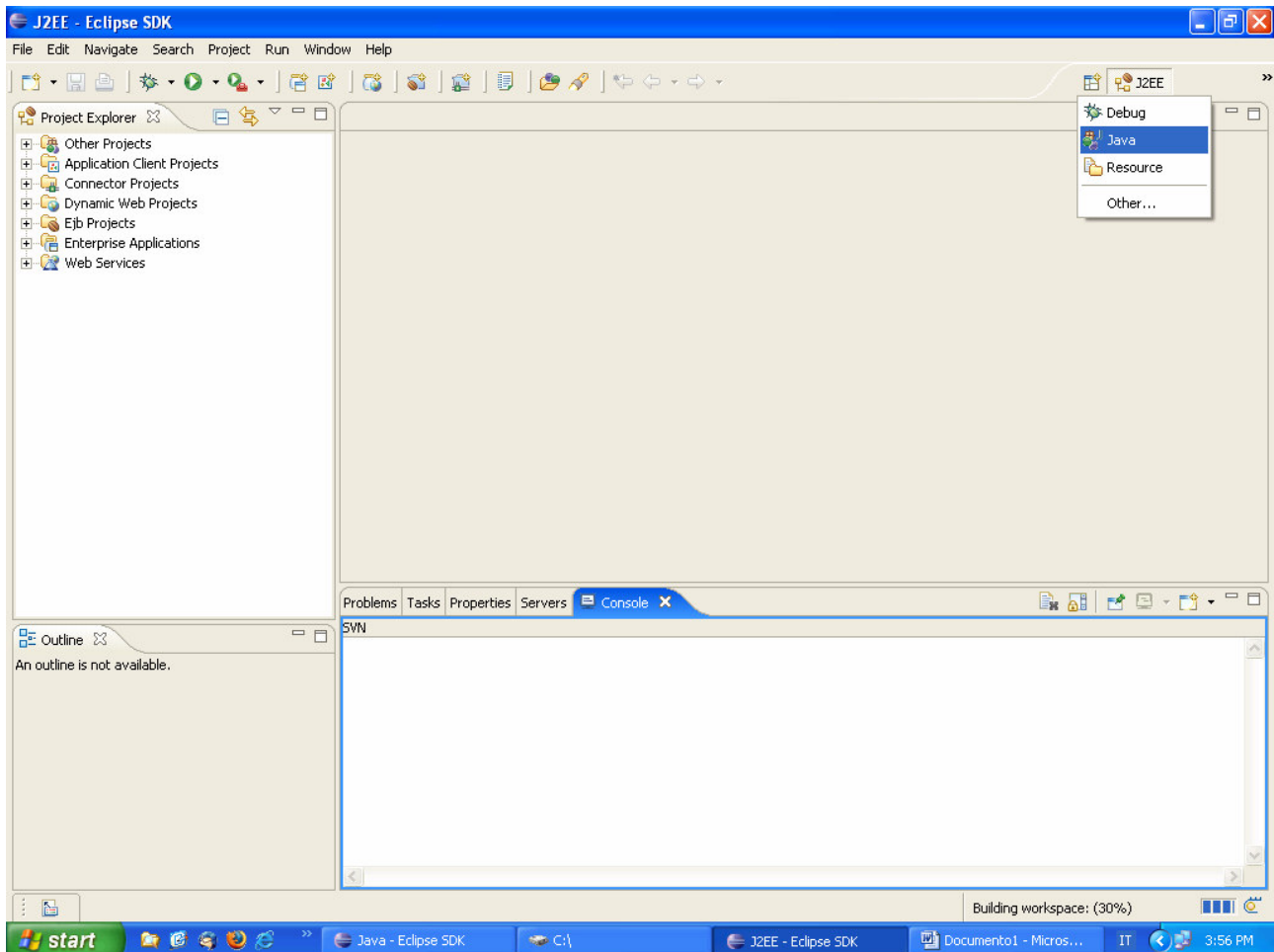
Context Root:

☐ Add support for annotated Java classes

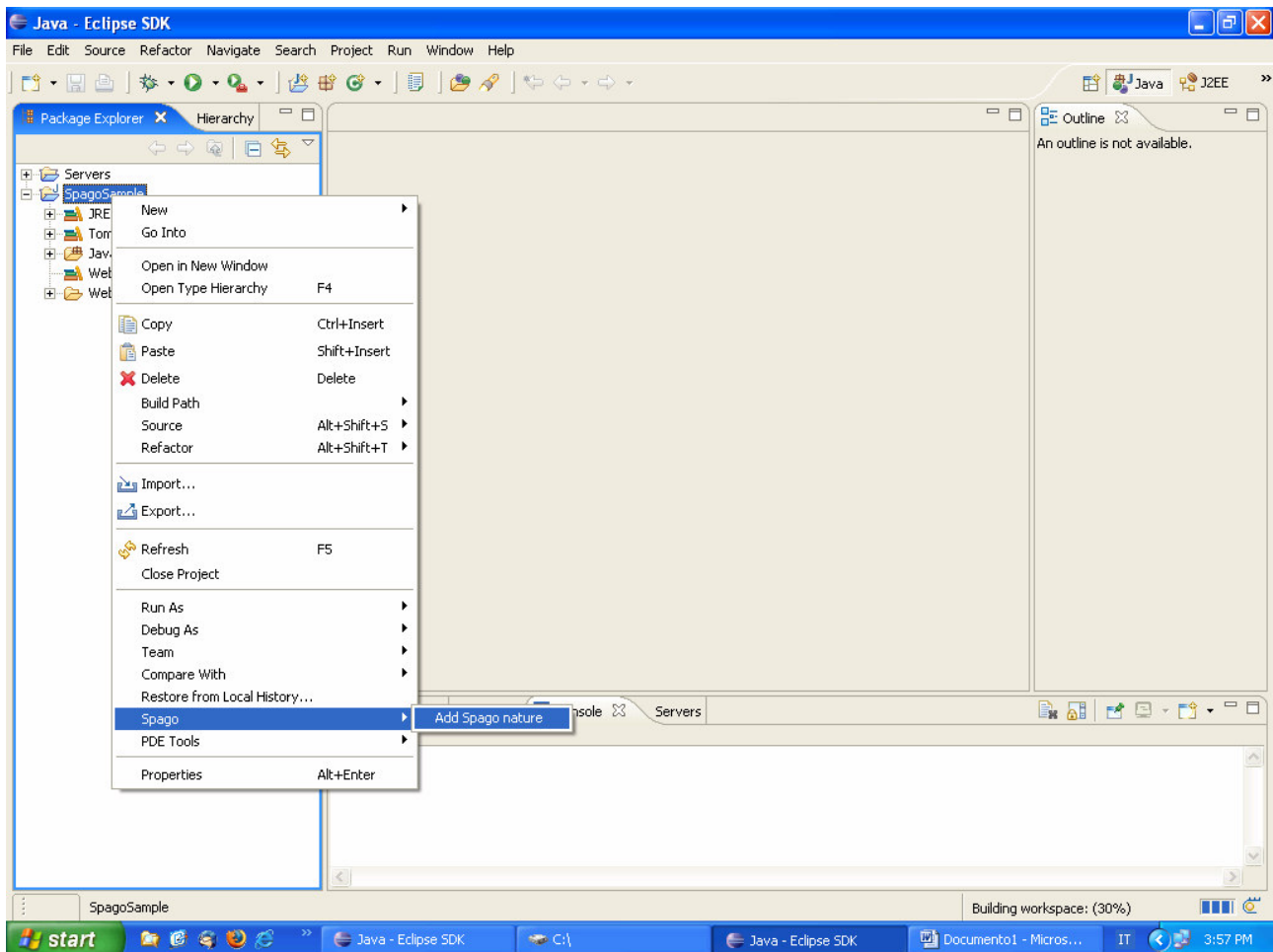
6.2 Add Spago Nature

SpagoSample is now an empty web project. We'll use the Spago plugin to add all the Spago libraries, and the dependencies libraries.

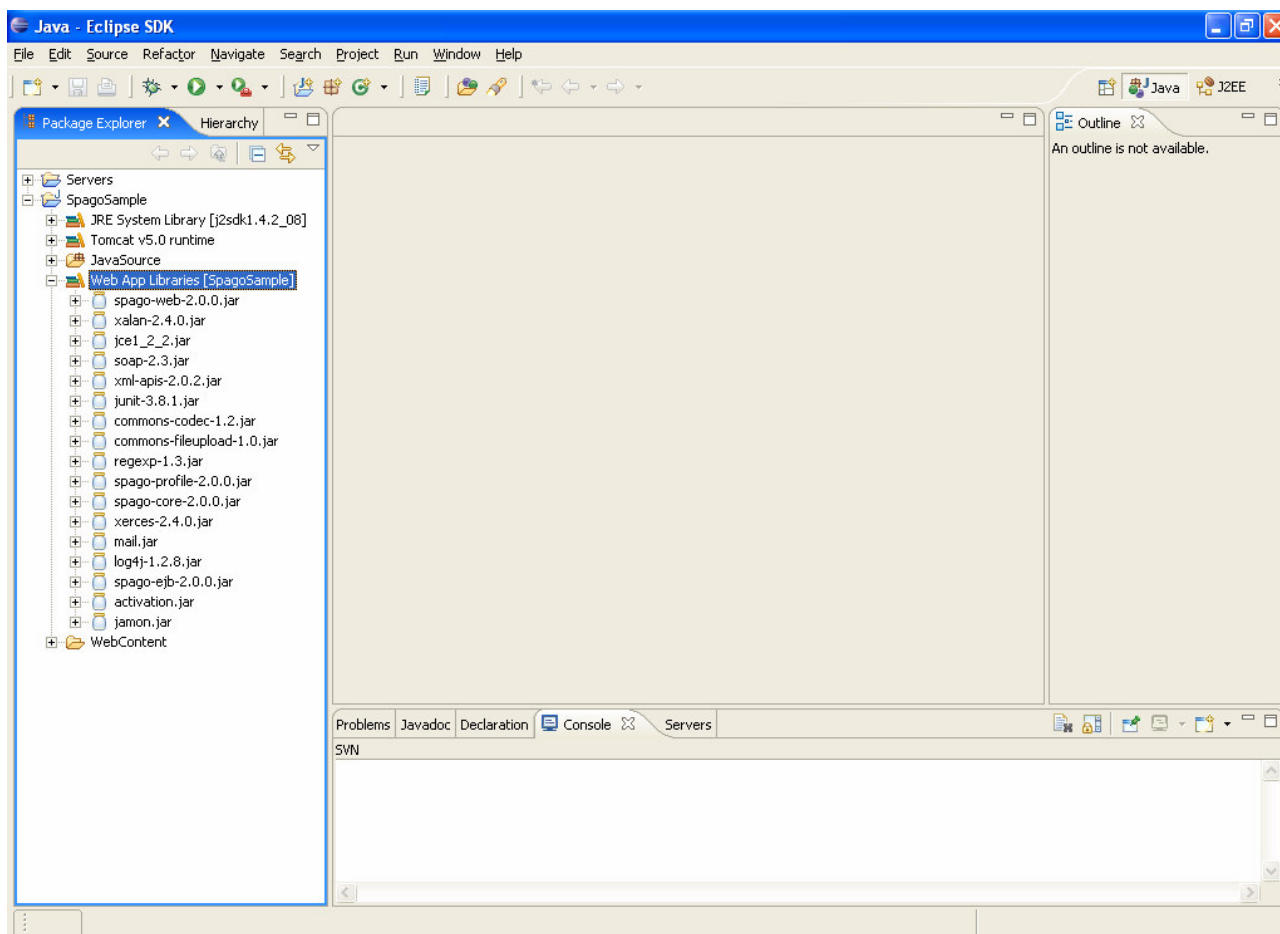
Switch to the *Java perspective*.



If you right-click the project, you'll see a new popup **"Spago"** with the item **"Add Spago Nature"**.



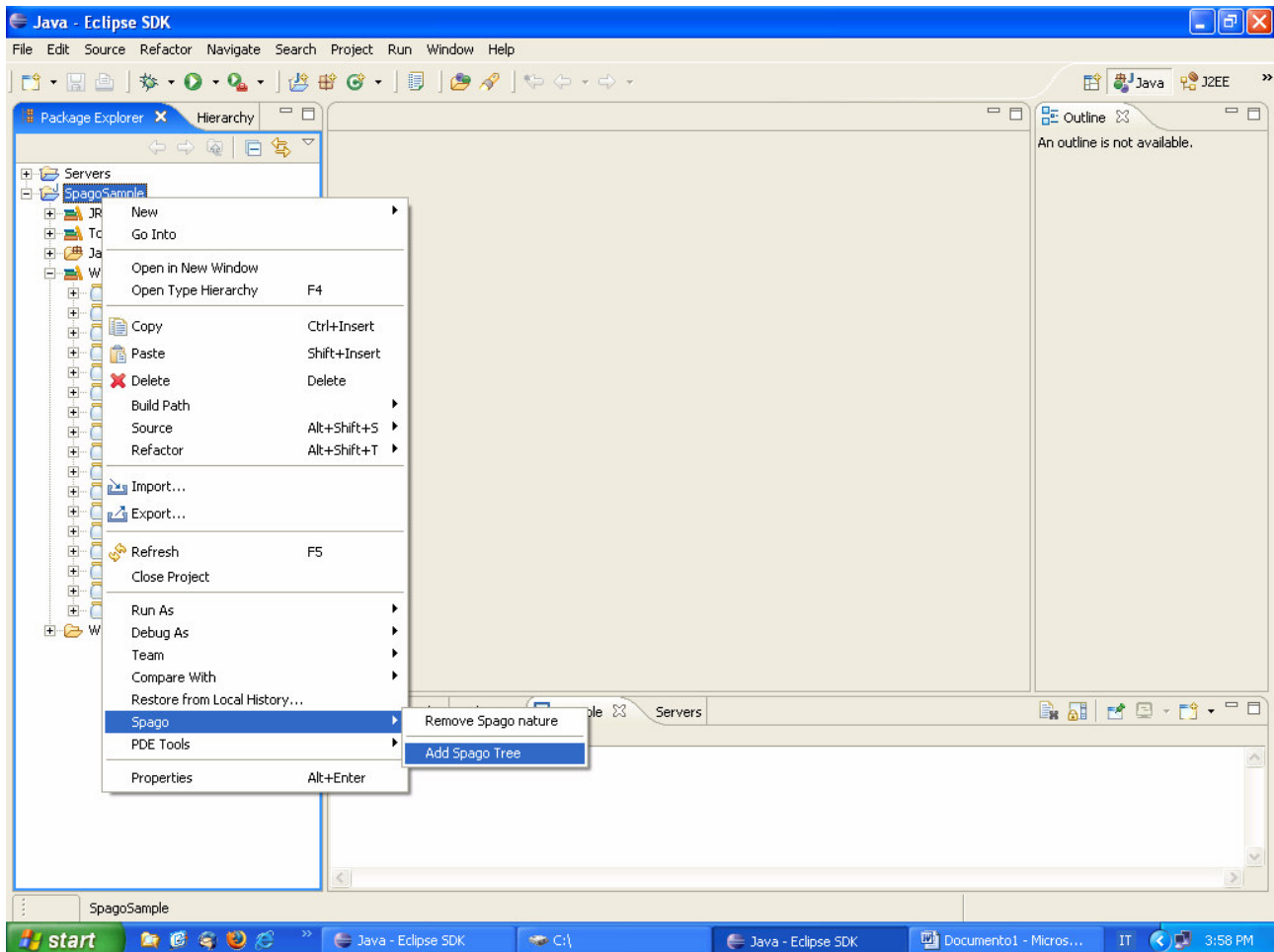
If you choose this item, the plugin will add all the Spago libraries and the dependencies libraries to the WEB-INF/lib folder, and the WebTool plugin automatically add these libraries to the Java Build path of the application.



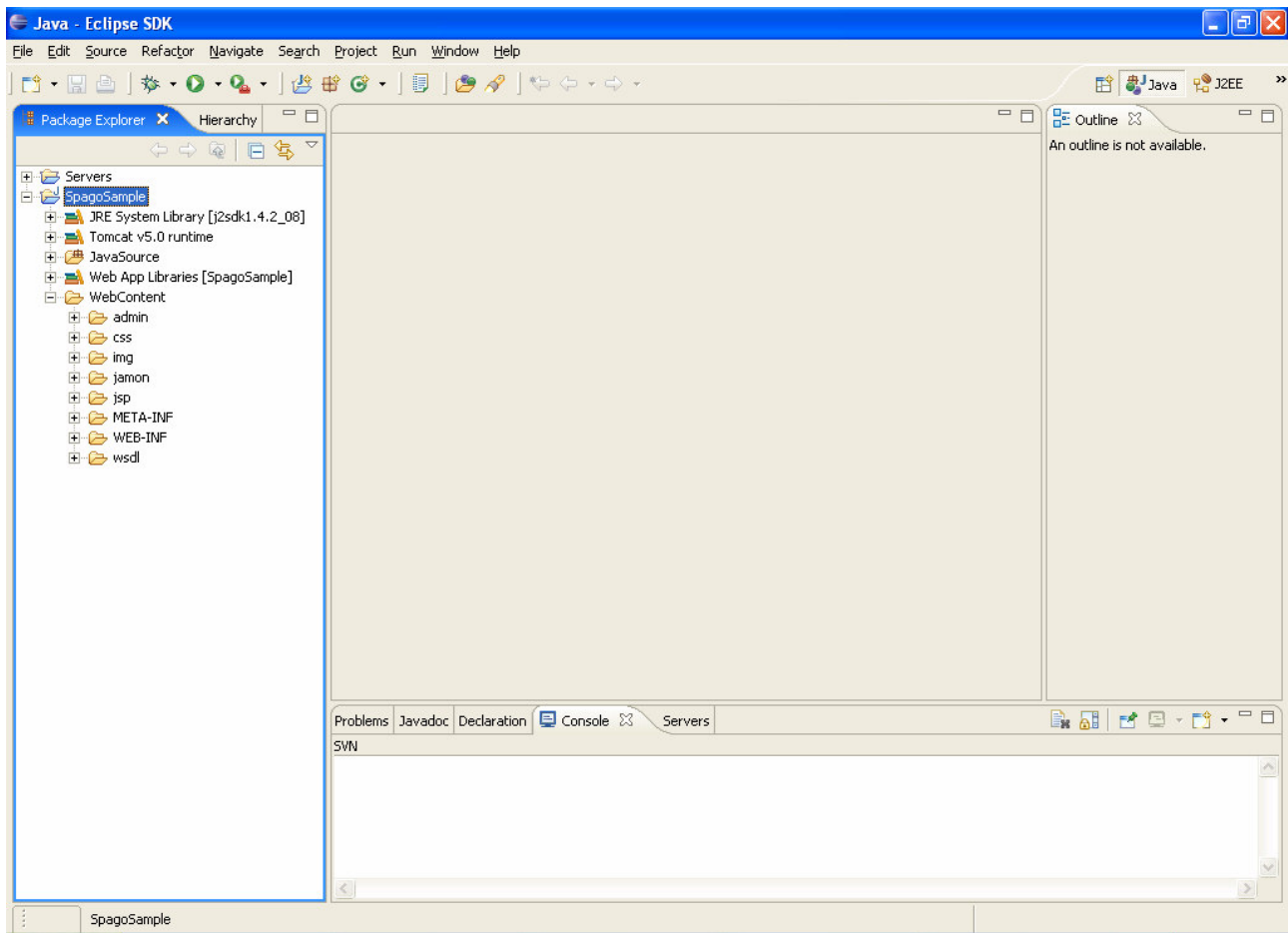
6.3 Add Spago Tree

With the Spago nature the project contains all the necessary libraries, but it lacks of the configuration files, some predefined JSP pages, the default CSS, and so on.

To add these resources select the item **"Add Spago Tree"** in the Spago popup.

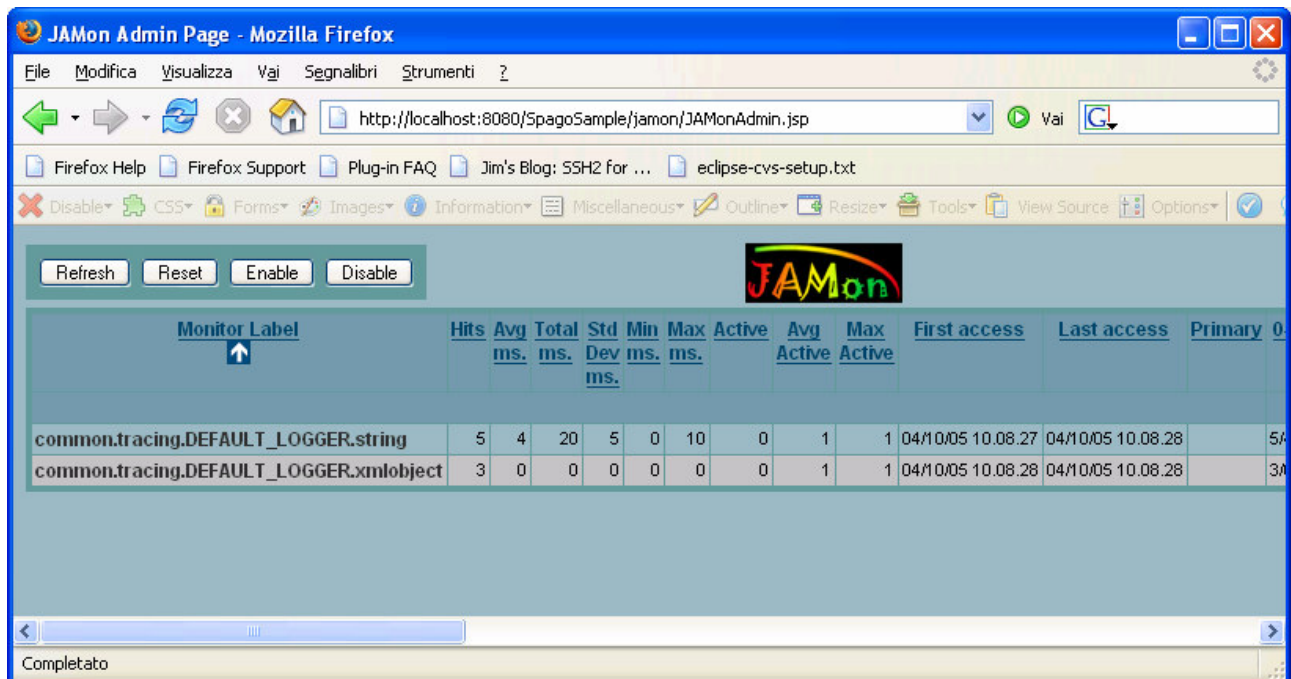


Inside the “**WebContent**” folder you will see the new folders “admin”, “css”, “img”, etc.



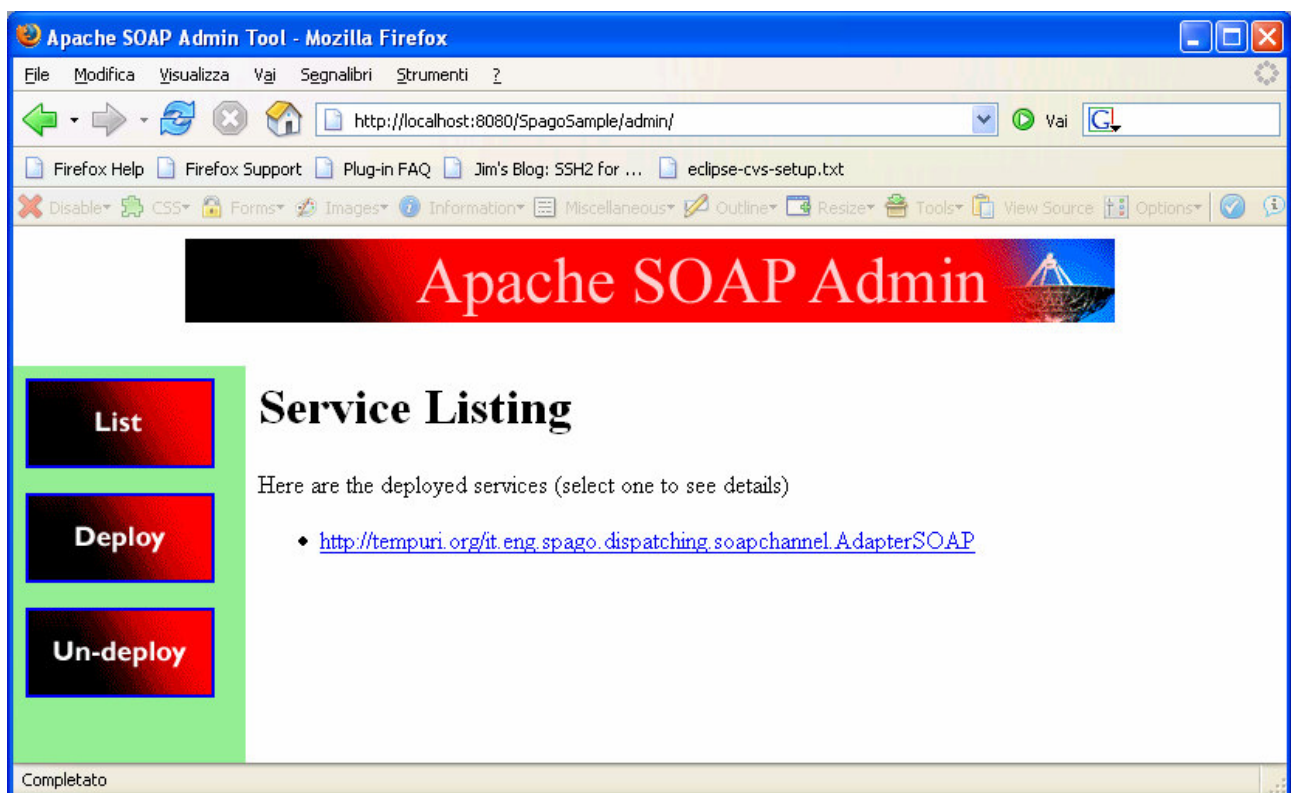
Now the application is an empty application configured properly to work with Spago.

If you start the application you don't have any applicative service, but you are able to use the complementary services like **Jamon** (URL "http://localhost:8080/SpagoSample/jamon/JAMonAdmin.jsp") and the administration page of **SOAP** (URL "http://localhost:8080/SpagoSample/admin/") for example.



The screenshot shows the JAMon Admin Page in Mozilla Firefox. The browser window title is "JAMon Admin Page - Mozilla Firefox". The address bar shows the URL "http://localhost:8080/SpagoSample/jamon/JAMonAdmin.jsp". The page has a blue header with the JAMon logo and a navigation bar with buttons: Refresh, Reset, Enable, and Disable. Below the navigation bar is a table with the following columns: Monitor Label, Hits, Avg ms., Total ms., Std Dev ms., Min ms., Max ms., Active, Avg Active, Max Active, First access, Last access, and Primary. The table contains two rows of data:

Monitor Label	Hits	Avg ms.	Total ms.	Std Dev ms.	Min ms.	Max ms.	Active	Avg Active	Max Active	First access	Last access	Primary
common.tracing.DEFAULT_LOGGER.string	5	4	20	5	0	10	0	1	1	04/10/05 10.08.27	04/10/05 10.08.28	5/4
common.tracing.DEFAULT_LOGGER.xmlobject	3	0	0	0	0	0	0	1	1	04/10/05 10.08.28	04/10/05 10.08.28	3/4



The screenshot shows the Apache SOAP Admin Tool in Mozilla Firefox. The browser window title is "Apache SOAP Admin Tool - Mozilla Firefox". The address bar shows the URL "http://localhost:8080/SpagoSample/admin/". The page has a red header with the text "Apache SOAP Admin" and a navigation bar with buttons: List, Deploy, and Un-deploy. Below the navigation bar is a section titled "Service Listing" with the text "Here are the deployed services (select one to see details)". A link is provided: <http://tempuri.org/it.eng.spago.dispatching.soapchannel.AdapterSOAP>.

6.4 Remove Spago Nature

With this option you can remove all the libraries added with the “**Add Spago Nature**” command. You’ll not be able to use Spago to implement the services. All the configuration files remain untouched by the plugin.

