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Installing the Tallis Web Enactment Suite

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1. Introduction

This document tells you how to install and run the Tallis Web Enactment Suite, which allows PROforma process descriptions to be published and enacted over the web. This process involves sending process descriptions to a server and "enacting" (stepping through) them using a browser.

This document also briefly explains how to install two other software components that you will need, namely the Java 2 platform and the Tomcat web server.

2. Prerequisites for Tallis Web Enactment Suite

To install and run the Tallis Web Enactment Suite the following steps must have been completed:

- Installed the Java 2 SDK platform (version 1.4 or greater) on your machine (see [Appendix A](#) for details)
- Installed the Tomcat web server (version 4.1.18 or greater) on your machine (see [Appendix B](#) for details)

Please note that throughout this document a number of aliases are used to refer to URLs or file paths:

- *TOMCAT_HOME* is a file path and points to the folder of your Apache Tomcat installation (see [Appendix B](#) for further details)
- *TOMCAT_URL* is the URL to your Tomcat server (see [Appendix B](#) for further details)
- *ENACTMENT_URL* is the URL to your web application (see [Appendix B](#) for further details)

3. Installing the Tallis Web Enactment Suite

Before installing the Tallis Web Enactment Suite, check in the folder *TOMCAT_HOME/webapps* and see whether it contains a directory called *enactment*. If it does, rename or copy the directory to prevent your previous content being overwritten.

Installation is achieved by downloading the *tallis.war* file via ACL website (<http://acl.icnet.uk/TallisTraining/Downloads.htm>) and saving it in the *TOMCAT_HOME/webapps* directory.

4. Checking the installation

To check that the installation has completed successfully, complete the following steps:

- Ensure Tomcat is running (see [Appendix B](#) for details)
- Restart Tomcat if necessary
- Open a web browser and browse to *ENACTMENT_URL*/Sanity.page. You should now be looking at a valid HTML page indicating there were no problems with the installation

5. Running the Tallis Enactor

To run the Tallis Enactor, complete the following steps:

- Ensure Tomcat is running (see [Appendix B](#) for details)
- Open a web browser and browse to *ENACTMENT_URL*. You should now be looking at the root page of the Enactment application. If this doesn't work, try restarting Apache Tomcat
- On the left hand side of the page is the Protocol Repository. The list of available folders and protocols should be displayed. If they are not displayed, try restarting Tomcat
- Click on any of the folders in this tree - a list of further folders and enactable protocols should appear. Clicking on one of the protocols will activate the enactment process

6. Appendices

6.1 Appendix A

The Tallis software has been tested with version 1.4.0 of the Java SDK platform.

The Java 2 SDK platform may be downloaded from the following URL <http://java.sun.com/j2se/1.4/download.html>

Note: The Tallis software might not work with versions later than 1.4.

6.2 Appendix B

You will also need to install the Tomcat web server on your machine to enable you to use the Tallis Web Enactment Suite to test protocols locally. The Tallis Web Enactment Suite requires at least version 4.1.18 of Tomcat. It might work with earlier versions but will not be supported.

The steps to install Tomcat are:

- Download the latest Jakarta-Tomcat release executable from http://jakarta.apache.org/site/downloads/downloads_tomcat-5.cgi (download version 5.0.28 - note that the Tallis software might not work with versions later than 5.0)

- Install Tomcat by running the file you just downloaded. Note that Tomcat will act as a standalone web server, so you don't need to install Apache as well. Note also that standalone tomcat will run on port 8080
- If Tomcat has been installed in 'C:\Program Files\Apache Tomcat 4.1' (the default directory), the *TOMCAT_HOME* variable would correspond to the path 'C:\Program Files\Apache Tomcat 4.1'
- If the installation is for a Win32 machine, the self-extracting installation will prompt you for an admin password. **REMEMBER THIS PASSWORD**
- If the installation is for a (l)unix machine, you may need to add an admin role to the *TOMCAT_HOME/conf/tomcat-users.xml* (for further details see <http://jakarta.apache.org/tomcat/tomcat-4.1-doc/realms-howto.html>)
- If Tomcat is running locally on your machine, the *TOMCAT_URL* would correspond to the URL <http://localhost:8080/>.

To check that the installation has completed successfully:

- Click on the Start button and select Programs->Apache Tomcat 4.1.x->Start Tomcat
- Open a web browser and browse to *TOMCAT_URL*. You should then see the Tomcat home page

To install a web application within Tomcat, it is simply a matter of copying the relevant directory or .war file into the *TOMCAT_HOME/webapps* directory. The URL of the installed application (*ENACTMENT_URL*) would then be *TOMCAT_URL/WEB_APP*. For an installed directory this would be *TOMCAT_URL/DIRECTORY_NAME* and for an installation via a .war file, *TOMCAT_URL/WAR_NAME*.

For example, if the tallis.war file was installed, the *ENACTMENT_URL* would be <http://localhost:8080/tallis>.