



DIP D2.9: Reporting Tool

Prototype Fact Sheet, 18 October 2006 (Update Release)

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<http://www.omwg.org/tools/dip/factsheets/ReportingToolFactSheet-20061018.html>

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<http://www.omwg.org/tools/dip/factsheets/ReportingToolFactSheet.html>

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Document Information

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Abstract (for dissemination)	This document contains information summary and installation instructions of the "Ontology Reporting Tool" - a web based application for browsing ontologies and mappings in different graphical including statistical information and a "change request" mechanism for initiating editorial changes in the ontologies.
Keywords	Ontology Reporting, Web application

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Table of contents

- [1. Availability and Contacts](#)
- [2. Introduction: Purpose and Functionality](#)
- [3. Requirements](#)
- [4. Licensing](#)
- [5. Installation and Usage](#)
 - [5.1. Installation prerequisite](#)
 - [5.2. Web Server](#)
 - [5.3. Running the reporting tool](#)
- [6. Usage Examples](#)
- [Appendix](#)

1. Availability and Contacts

Version:

0.3, 30 June 2006.

Download & Installation:

The Ontology Reporting Tool is a Web Application.

The WAR-archive is available for download at:

<http://www.omwg.org/tools/dip/tools/final/dip.war>.

Please see [Installation Instructions](#) for details.

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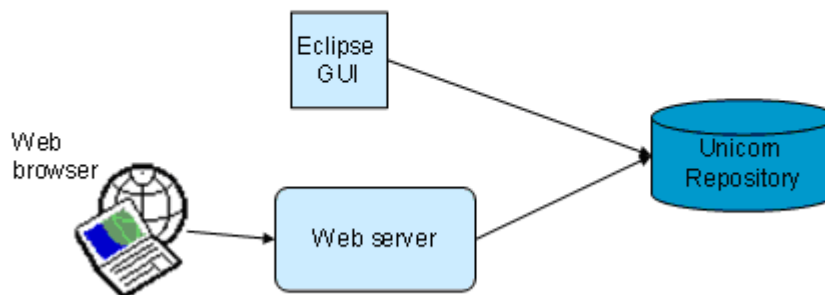
2. Purpose and Functionality

An important aspect of ontology management is the ability to better understand your ontologies. This deliverable is a graphical user interface (GUI) for reporting functionality that is intended to provide this understanding as it provides repository browsing and various graphical reports.

The tool will be implemented partly as an eclipse plugin but mostly as a web interface application that takes into consideration usability requirements.

The diagram below depicts the planned architecture for the reporting tool deliverable.

Reporting Tool Architecture



3. Requirements

Nature: Tool

Interfaces (API, Web Services): Graphical User Interface.

Platform: Web server.

Supported standards: WSMO

Required Libraries (OMWG, SDK Cluster, WSMO-related):

- All third-party libraries are bundled in "dip.war" file.

4. Licensing

- See Unicorn licensing agreement for DIP: [license.txt](#)
- In addition see the LGPL license for the following libraries required for runtime: Hibernate, wsmo4j, omwg versioning and omwg mapping: [LGPL license](#)

5. Installation and Usage

5.1 Installation prerequisite

In order to report on ontologies and mappings, data needs to be in the repository first. Therefore, it is assumed that a Unicorn repository already exists on the web server host.

5.2 Web Server

The Unicorn reporting tool for DIP is a J2EE web application that can be deployed on any J2EE web server.

A recommend free lightweight option is Apache Tomcat. A Tomcat installation can be downloaded from the FTP site under "30_June_Submission/ReportingTool/" directory.

To install and run Tomcat, simply extract jakarta-tomcat-5.0.18.zip file and perform the steps in section 5.4. Then start Tomcat by running the jakarta-tomcat-5.0.18/bin/startup script.:

- Login Unicorn FTP site: <ftp://unicorn.com>
- User: dipftp, Pass: 796diP.

Tip - It is not recommended to use Tomcat 5.5, as it is designed for Java 5.0 binaries and has low performance on Java 1.4 binaries.

5.3 Running the Reporting Tool

Please download the "dip.war" file <http://www.omwg.org/tools/dip/tools/final/dip.war>, and put it under "%TOMCAT_HOME%/webapps" directory (e.g., jakarta-tomcat-5.0.18/webapps).

Now start Tomcat.

Open a browser and type the URL: <http://localhost:8080/dip>

Tip: If you would like to use Eclipse embedded web browser, please download "browser_plugins.zip" file and extract it to the Eclipse "plugins" directory and restart Eclipse. To open the browser in Eclipse: Window -> Show View -> Other -> Other -> Web Browser

6. Usage Examples

Please see user guide <http://www.omwg.org/tools/dip/oms/>