



DIP D2.9: Reporting Tool

Prototype Fact Sheet, 01 Jan 2006

This version:

<http://www.unicorn.com/dip/webrt/v0.2/20060101/ReportingToolFactSheet.html>

Latest version:

<http://www.unicorn.com/dip/webrt/v0.2/20060101/ReportingToolFactSheet.html>

Previous version:

None

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1. Availability and Contacts

Version:

0.2, 01 Jan 2006.

Download:

<http://www.unicorn.com/dip/webrt/v0.2/20060101/dip.zip>

Contact person:

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2. Purpose and Functionality

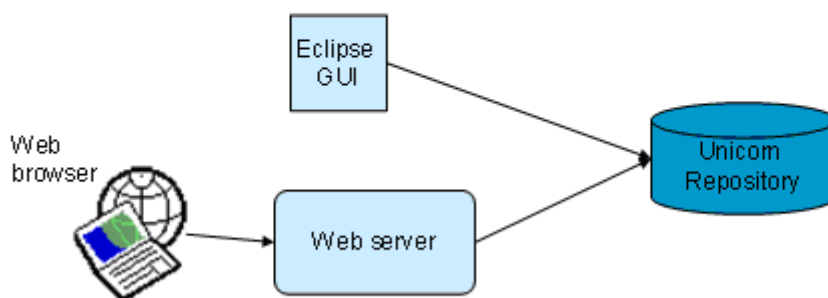
An important aspect of ontology management is the ability to better understand your

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, [OMWG Versioning](#).

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

- All third-party libraries are bundled with the plugins.

4. Licensing

- See Unicorn licensing agreement for DIP:
<http://www.unicorn.com/dip/license.txt>

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: <http://www.unicorn.com/dip/webrt/jakarta-tomcat-5.0.18.zip>
To install and run Tomcat, simply extract jakarta-tomcat-5.0.18.zip file and perform the steps in section 5.2. Then start Tomcat by running the jakarta-tomcat-5.0.18/bin/startup script.

5.3 SVG Plugin for your Browser

In order to view the reporting tool visual graphs, install Adobe SVG plugin for your browser.

5.4 Running the Reporting Tool

Download the “dip.zip” file, rename to “dip.war” (many browsers do not enable download of “war” files), and put it under %TOMCAT_HOME%/webapps dir (e.g., jakarta-tomcat-5.0.18/webapps).

Now start Tomcat.

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

6. Usage Examples

Please see user guide

<http://www.unicorn.com/dip/webrt/v0.2/20060101/ReportingToolManual.pdf>

7. Future Plans

- Enhance GUI stability and usability.
- Ontologies graphical comparison.

The final release is planned for June 2006.

Appendix

[1] A. Kiryakov, D. Ognyanov, and V. Kirov: *A Framework for Representing Ontologies Consisting of Several Thousand Concepts Definitions*. DIP Project Deliverable D2.2, June 2004.

<http://dip.semanticweb.org/deliverables/D22ORDIv1.0.pdf>

[2] J. de Bruijn, H. Lausen, R. Krummenacher, A. Polleres, L. Predoiu, M. Kifer, D Fensel: *The Web Service Modeling Language WSM*. Deliverable d16.1v0.2, WSM, 2005. <http://www.wsmo.org/TR/d16/d16.1v0.2/>

- [3] D. Roman, H. Lausen, U. Keller (eds); J. de Bruijn, Ch. Bussler, J. Domingue, D. Fensel, M. Hepp, M. Kifer, B. Konig-Ries, J. Kopecky, R. Lara, E. Oren, A. Polleres, J. Scicluna, M. Stollberg: *Web Service Modeling Ontology (WSMO)*. Deliverable d2v1.2, WSMO, 2005. <http://www.wsmo.org/TR/d2/v1.2/>
- [4] Scharffe, François and de Bruijn, Jos. A Language to Specify Mappings between Ontologies. In IEEE SITIS'05, Yaoundé, Cameroon, November 27th - December 1st, 2005.
- [5] Kopecký, Jacek. OMWG D6.3: Versioning Tool Prototype Implementation DERI OMWG Working Draft 4 February 2005 <http://www.omwg.org/TR/d6/d6.3/>