SIMILE   **Longwell**

Longwell2

What is this?

Longwell is a web-based RDF browsers.

What can I do with this?

You can browse and search arbitrarely complex RDF datasets using

But it's probably better if you try it yourself and get a feeling of what it is like.

Why was it built?

The SIMILE Project deals with applying semantic web technologies to digital libraries and for the team needed a way to be able to browse and search arbitrary RDF datasets, also to prototype different user interface scenarios that could be useful to end-users, to digital librarians and to metadata analysts.

While other RDF browser technologies exist (for example, the outstanding Haystack Project) since the end goal of the SIMILE Project is integration with DSpace, which is a server side web-based application, we needed a web-based approach and a simple architecture tuned to our needs that allowed us to prototype faster.

Technology and Requirements

Longwell is a web application written in Java that depends on the following libraries for operation:

- Apache Velocity as the template engine
- Apache Lucene as the search engine
- Jena as the RDF support library (parsing, storing, querying)

and it has the following requirements:

- A Java 1.4 or later compatible virtual machine for your operating system.
- the JAVA_HOME environment variable must be set to the installation directory of the java virtual machine in your system.
- [OPTIONAL] A Servlet 2.3 or later compatible application server.

> **Note:** Longwell ships with a servlet container for easy bootstrap, but it can be installed in any servlet-compatible or J2EE application server.

Ok, I'm interested, now what?

The best place to start is the Longwell user guide.

Where do I download it?

You can obtain Longwell in two different ways:

1. download a <u>prepackaged distribution</u>
2. download the files directly from the code repository.

In case you want to download the files from the repository (for example, if you want to have the latest and greatest development snapshot), you need to have a <u>Subversion</u> client installed. At this point, just type

```
svn co http://simile.mit.edu/repository/longwell/branches/2.0/ longwell
```

at the command line and the latest longwell distribution will appear in the "longwell" directory.

Licensing and legal issues

Longwell is open source software and is licensed under the BSD license located in the LICENSE.txt file located in the root of the distribution.

Note however, that this software ships with libraries that are not released under the same license, that we are redistributing them untouched and each of them are licensed according to the terms of the license files located in the ./legal subdirectory of the distribution.

Credits

This software was created by the SIMILE project and originally written by:

- <u>Mark Butler</u> <mark-h.butler at hp.com>
- <u>David Fran�ois Huynh</u> <dfhuynh at csail.mit.edu>
- <u>Ryan Lee</u> <ryanlee at w3.org>
- <u>Stefano Mazzocchi</u> <stefanom at mit.edu>