

Monthly Technical Status Report

LexEVS Operations and Maintenance

Subcontract No. 12ST1106

August 2014

July 1 – July 31, 2014

Submitted by:

Craig Stancl, Scott Bauer

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A. Technical Overview

Work on a JIRA item involving the term browser tree extension prompted a wide-ranging update and migration to GitHub of code for both the term browser and the metabrowser when it was discovered these extensions had not been updated or tested for quite some time. A variety of minor bug fixes were resolved. Loader testing continued for full loads of terminologies. Wide ranging evaluations of technologies to be changed, upgraded or removed took place this month. Including some in depth investigations of major consequence. Participated in ongoing discussions of the installation of new hardware and software for the Shady Grove location

Please see the weekly meeting notes for details:

<https://wiki.nci.nih.gov/display/LexEVS/LexEVS+6.1+Maintenance+and+Operations+2014>

B. Issues Resolved Over the Covered Period

Activity	Description/Comments
An NLM REST API change broke our service wrapper	Investigation completed and fix installed. Requests were made for long term stability of this API
Load testing against MySQL continued as necessary	
In depth evaluation of the Lucene implementation of LexEVS and what it would take to update this.	This is a substantial part of the current API and will take considerable effort to upgrade.
Evaluation of URI Resolver and estimation of updates for purposes of recording URI use	
Completed an evaluation and design proposal of graph and transitive closure implementation in the CTS2 API	
Updated browser and metabrowser tree extension code	Added Maven build capability where needed and updated to LexEVS 6.1 and Java 7. Migrated both projects to a GitHub repository on the lexevs channel
Concluded a wide variety of face to face planning, project plan upgrades, and demonstration and design meetings plans and proposals	

Activity	Description/Comments
Completed PTE's for all current projects involved in the upcoming 6.2 release	
Participated in Agile training and discussion for upcoming implementation in the ongoing collaboration with NCI/CBIIT	

C. New Issues Identified

Activity/Issue	Description to corrective activity/issue
JIRA #642	https://tracker.nci.nih.gov/browse/LEXEVS-642

D. New Releases of the Software

Release	Description of the Release

E. Presentations, Documentation Updates, Community Communication

Activity	Description of the Activity

F. Outstanding Issues Being Actively Worked

Activity/Issue	Description/Comments
JIRA #590	https://tracker.nci.nih.gov/browse/LEXEVS-590
JIRA #598	https://tracker.nci.nih.gov/browse/LEXEVS-598
JIRA #605	https://tracker.nci.nih.gov/browse/LEXEVS-590
JIRA #531	https://tracker.nci.nih.gov/browse/LEXEVS-531
JIRA #371	https://tracker.nci.nih.gov/browse/LEXEVS-371

Activity/Issue	Description/Comments
JIRA #538	https://tracker.nci.nih.gov/browse/LEXEVS-538
JIRA #597	https://tracker.nci.nih.gov/browse/LEXEVS-597
JIRA #599	https://tracker.nci.nih.gov/browse/LEXEVS-599

G. Critical Risks or External Dependencies

Activity/Issue	Description to corrective activity/issue

H. Status of Deliverables/Milestones Overview

We have created a project wiki site out on Confluence Wiki at

<https://wiki.nci.nih.gov/display/LexEVS/LexEVS+6.1+Maintenance+and+Operations+2014> This table of contents breaks out into different areas to capture the weekly meeting notes, monthly technical status reports, an area for documentation and a brief summary. This site will evolve throughout the lifecycle of this project.

I. Status of Deliverables

Deliverable/Milestone	Delivery Date	Status
Program Management	Ongoing	In Progress
Maintenance of Software System	Ongoing	In Progress
Provide Technical Expertise	Ongoing	In Progress
Project Wiki	11/09/2012	Complete
Monthly Technical Reports:		Complete
January 2014	2/10/2014	
February 2014	3/10/2014	
March 2014	4/10/2014	
April 2014	5/10/2014	
May 2014	6/10/2014	
June 2014	7/10/2014	
July 2014	8/10/2014	

Deliverable/Milestone	Delivery Date	Status
Monthly Financial Reports:		Complete
January 2014	2/10/2014	
February 2014	3/10/2014	
March 2014	4/10/2014	
April 2014	5/10/2014	
May 2014	6/10/2014	
June 2014	7/10/2014	
July 2014	8/10/2014	

J. Description of Work/Activities Planned for the next Month

Activity	Description
Complete deployment documents and activities for Shady Grove DEV	
Start on post deployment (i.e. loader updates)	Includes OWL2 updates, perhaps URI Resolver work if time allows
QA support for distributed API	
Provide streamlined QA support for Runtime and Distributed API	

K. Additional Reporting

Many forward looking design and update considerations were proposed, discussed and planned for in this iteration. JIRA items were wrapped up as investigation and bug fixes continued.