

Monthly Technical Status Report

LexEVS Operations and Maintenance

Subcontract No. 12ST1106

July 2014

June 1 – June 31, 2014

Submitted by:

Craig Stancl, Scott Bauer

Date:

July 10, 2014

Contents

A. Technical Overview.....	3
B. Issues Resolved Over the Covered Period	3
C. New Issues Identified.....	4
D. New Releases of the Software.....	4
E. Presentations, Documentation Updates, Community Communication.....	4
F. Outstanding Issues Being Actively Worked	4
G. Critical Risks or External Dependencies.....	4
H. Status of Deliverables/Milestones Overview.....	5
I. Status of Deliverables.....	5
J. Description of Work/Activities Planned for the next Month	5
K. Additional Reporting.....	6

A. Technical Overview

This month saw a resolution Value set URI discussions and proposals. Wrap up of Migration to tech stack target technology with testing against MySQL 5.5 and Java 1.7 with Distributed API the focus. Some continuing discovery and correction of issues continued around the Value Set Viewer and the supporting LexEVS CTS2 Service. Discussions with Systems prompted some documentation and performance testing to provide basis for hardware upgrades. Discussions and draft responses to Agile proposals began with plans for training around this put into place.

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	Under investigation
Began actual terminology load testing against a local version of MySQL 5.5.	Some performance changes were noted. The Metathesaurus load increased by several hours.
Fixed and updated Distributed Java API JUnits as needed	Largely updated for content, but a couple issues surfaced related to Tomcat 7 and java 7 upgrades.
Created a performance application to do some baseline performance data	Done to show how LexEVS could perform when hardware recommendations were followed. This mainly in response to requests from Systems to justify hardware upgrades.
Continuing Value Set Viewer upgrades as needed.	
URI Resolver logging evaluation started to facilitate possible support of use evaluation	
Responded to a variety of questions about REST API, loaders and other issues.	

C. New Issues Identified

Activity/Issue	Description to corrective activity/issue
JIRA #641	https://tracker.nci.nih.gov/browse/LEXEVS-640
JIRA #640	https://tracker.nci.nih.gov/browse/LEXEVS-641

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 #619	https://tracker.nci.nih.gov/browse/LEXEVS-619
JIRA #618	https://tracker.nci.nih.gov/browse/LEXEVS-618

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: January 2014 February 2014 March 2014 April 2014 May 2014	2/10/2014 3/10/2014 4/10/2014 5/10/2014 6/10/2014	Complete
Monthly Financial Reports: January 2014 February 2014 March 2014 April 2014 May 2014	2/10/2014 3/10/2014 4/10/2014 5/10/2014 6/10/2014	Complete

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

Activity	Description
Load full terminologies to MySQL 5.5	Diagnose and correct any SQL and JDBC problems

Activity	Description
Common CTS2 Client	Update as necessary
JIRA Items Wrap up	
Lucene api change evaluation	Should culminate in a full estimate of work for this item.
Migrate to new Dev with updated tech stack	

K. Additional Reporting

NLM API changes brought a portion of the Value Set Viewer down. Tech stack migration wrap up continued with the move to MySQL 5.5 and distributed API on Tomcat 7. A number of discussions around build and deployment workflow, Agile methodology, and value set use continued throughout the month.