

Monthly Technical Status Report

LexEVS Operations and Maintenance

Subcontract No. 12ST1106

June 2014

May 1 – May 31, 2014

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A. Technical Overview

Continued work around Struts Security issues, ARC meetings and discussions, Value set URI discussions and proposals. Migration to tech stack target technology began with testing against MySQL 5.5 and Java 1.7. Some continuing discovery and correction of issues continued around the Value Set Viewer and the supporting LexEVS CTS2 Service.

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
A number of issues were discovered and fixed in the Value Set Viewer	Corrected and updated as needed.
Continuing Loader Support	Mapping code system issues were emphasized where a set of mapping systems were loading against some inconsistent code systems
Installed and began testing against a local version of MySQL 5.5.	An issue with a legacy authoring system surfaced due to some strict controls on how DDL type calls to the database were locked out of some sessions when made from a competing session.
Investigated caching issue against the CTS2 service	Apparently some auto caching of the CTS2 service was implemented but not enough to fully avoid issues when data sources are reloaded requiring a system restart.
Further security evaluations of struts were made before deciding no changes were needed.	Some basic code evaluation was required to understand if the offending classes were used in the API
Sort algorithm investigation done at the requests of NCI	
Investigated issue with some value sets not resolving	Truncated name was causing a bad URL to be created.

C. New Issues Identified

Activity/Issue	Description to corrective activity/issue
JIRA #19	https://tracker.nci.nih.gov/browse/LEXEVSCTS2-19
JIRA #15	https://tracker.nci.nih.gov/browse/LEXEVSCTS2-15
JIRA #14	https://tracker.nci.nih.gov/browse/LEXEVSCTS2-14
JIRA #10	https://tracker.nci.nih.gov/browse/LEXEVSCTS2-10
JIRA #9	https://tracker.nci.nih.gov/browse/LEXEVSCTS2-9
JIRA #8	https://tracker.nci.nih.gov/browse/LEXEVSCTS2-8
JIRA #7	https://tracker.nci.nih.gov/browse/LEXEVSCTS2-7
JIRA #6	https://tracker.nci.nih.gov/browse/LEXEVSCTS2-6
JIRA #5	https://tracker.nci.nih.gov/browse/LEXEVSCTS2-5
JIRA #4	https://tracker.nci.nih.gov/browse/LEXEVSCTS2-4
JIRA #6	https://tracker.nci.nih.gov/browse/LEXEVSCTS2-3
JIRA #2	https://tracker.nci.nih.gov/browse/LEXEVSCTS2-2
JIRA #1	https://tracker.nci.nih.gov/browse/LEXEVSCTS2-1
JIRA #639	https://tracker.nci.nih.gov/browse/LEXEVS-639
JIRA #638	https://tracker.nci.nih.gov/browse/LEXEVS-638
JIRA #637	https://tracker.nci.nih.gov/browse/LEXEVS-637
JIRA #636	https://tracker.nci.nih.gov/browse/LEXEVS-636

Activity/Issue	Description to corrective activity/issue
JIRA #635	https://tracker.nci.nih.gov/browse/LEXEVS-635
JIRA #634	https://tracker.nci.nih.gov/browse/LEXEVS-634
JIRA #633	https://tracker.nci.nih.gov/browse/LEXEVS-633

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 #632	https://tracker.nci.nih.gov/browse/LEXEVS-632
JIRA #631	https://tracker.nci.nih.gov/browse/LEXEVS-631
JIRA #619	https://tracker.nci.nih.gov/browse/LEXEVS-619
JIRA #618	https://tracker.nci.nih.gov/browse/LEXEVS-618
JIRA #617	https://tracker.nci.nih.gov/browse/LEXEVS-617
JIRA #608	https://tracker.nci.nih.gov/browse/LEXEVS-608

G. Critical Risks or External Dependencies

Activity/Issue	Description to corrective activity/issue

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
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Activity	Description
Load full terminologies to MySQL 5.5	Diagnose and correct any SQL and JDBC problems
Common CTS2 Client	Update as necessary
General Support for NCI as needed.	Security and incidental issues as need and priority allows
Upgrade LexEVS for Java 1.7	Focus on correcting any failing JUnits.
Migrate from Jboss to Tomcat 7	Use distributed JUnit set to evaluate
Migrate to new Dev with updated tech stack	

K. **Additional Reporting**

Migration toward latest tech stack began this month. A number of issues with the common value set viewer and the supporting LexEVS CTS2 service surfaced as users began using the prototype. Tech stack migration began with the move to MySQL 5.5 which caused some issues with a legacy authoring API.