

Monthly Technical Status Report

**LexEVS Operations and Maintenance
Subcontract No. 16X237**

March 2017
February 1 – February 28, 2017

Submitted by:

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Contents

- Monthly Technical Status Report 1
- A. Technical Overview 3
- B. New Releases of the Software..... 4
- C. Presentations, Documentation Updates, Community Communication 5
- D. Outstanding Issues Being Actively Worked 5
- E. Critical Risks or External Dependencies 5
- F. Status of Deliverables/Milestones Overview 5
- G. Status of Deliverables..... 6
- H. Description of Work/Activities Planned for the next Month 6
- I. Additional Reporting 7

A. Technical Overview

Sprint 48 (January 19, 2017 - February 01, 2017) has been completed. In this sprint, there were several loader issues fixed, as well as a fix for a CTS2 performance issue. Other enhancements included encrypting the password when publishing artifacts to the NCI's Nexus server and an admin script for removing all resolved value sets and value set definitions. There was a snapshot build created for the fixes on 6.4 branch.

Sprint 49 (February 02, 2017 - February 15, 2017) has been completed. In this sprint, there were additional loader fixes made. The team also verified that LexEVS can run on MySQL 5.6 without any enhancements and merged all 6.4.x code into the latest development branch.

Sprint 50 (February 16, 2017 - March 01, 2017) has been started, and will be reported on next month.

We also provided continued product maintenance and deployment support across all sprints.

Please see the weekly meeting notes for details:

<https://wiki.nci.nih.gov/display/LexEVS/LexEVS+16X237+Weekly+Meeting+Minutes>

Issues Resolved Over the Covered Period

Sprint	Activity	Description/Comments
Sprint 48	LexEVS Development - Sprint 48	LexEVS Development Sprint 48 Stories
Sprint 48	LEXEVS-812	Loader - LexEVS allows tagging more than one version of a terminology as PRODUCTION
Sprint 48	LEXEVS-1157	Loader - Provide scripting option for loading multiple value sets.
Sprint 48	LEXEVS-2585	Loader: OWL - LexEVS does not load all transitive relations
Sprint 48	LEXEVS-2605	6.4.1.3 SNAPSHOT: Build artifacts for 6.4.1.3 SNAPSHOT
Sprint 48	LEXEVS-2666	Investigate options for encrypting the password when publishing artifacts to NCI's Nexus server
Sprint 48	LEXEVS-2670	I want to be able to remove all resolved value sets and value set definitions from LexEVS
Sprint 48	LEXEVSCTS2-115	CTS2: Release ResolvedConceptReferencesIterator after they are finished being used
Sprint 48	LEXEVSCTS2-127	Request access to NCI DEV to debug CTS2 and URI Resolver https error
Sprint 49	LexEVS Development - Sprint 49	LexEVS Development Sprint 49 Stories

Sprint	Activity	Description/Comments
Sprint 49	LEXEVS-1626	Loader - RRF Loader fails with obscure error message when SAB is incorrect
Sprint 49	LEXEVS-2583	MySQL: Run performance tests against MySQL 5.6
Sprint 49	LEXEVS-2584	MySQL: Investigate MySQL 5.6 optimization requirements
Sprint 49	LEXEVS-2647	Docker script update required for the Java 1.8 branch
Sprint 49	LEXEVS-2662	Merge relevant code from the 6.4.2 branch and 6.4.0 branch to the Dev branch.
Sprint 49	LEXEVS-2674	Update Wiki Documentation for New Value Set Management Scripts
Sprint 49	LEXEVS-2679	Validate/Investigate behavior of resolved value set loads from OWL2 NCIt
Sprint 49	LEXEVS-2680	Create a summary of 6.4.2 LexEVS changes with examples for end users
Sprint 49	LEXEVS-2681	6.4.1.3 SNAPSHOT: Build artifacts for 6.4.1.3 SNAPSHOT
Sprint 49	LEXEVS-2705	I want code testing the manifest and tags to run in order in linux
Sprint 49	LEXEVS-2706	Fix typo in vales set definition mass load script
Sprint 49	LEXEVS-2717	LexEVS - Merge 6.4.2 (java 8) branch to the dev branch.
Sprint 49	LEXEVS-2720	LexEVS - Merge code from 6.4.0 branch to the dev branch.
Sprint 49	LEXEVS-2723	Loader: OWL2 Java 8 Check for instanceof OWLLiteral is not working
Sprint 49	LEXEVS-2727	Update Eclipse preferences from Java 1.7 to Java 1.8
Sprint 49	LEXEVSCTS2-110	Update the lexevs service (CTS2) to call the URI resolver over HTTPS
Sprint 49	LEXEVSCTS2-120	Build and deploy https fix on NCI DEV to verify URI Resolver works over https
Sprint 49	LEXEVSCTS2-132	Merge relevant CTS2 code from 1.5.2 and 1.5.0 branch to the dev branch.
Sprint 49	LEXEVSREM-68	Merge relevant lexevs remote API code from 6.4.0 branch and 6.4.2 to the Dev branch

B. New Releases of the Software

Release	Description of the Release

C. Presentations, Documentation Updates, Community Communication

Activity	Description of the Activity

D. Outstanding Issues Being Actively Worked

Sprint	Activity/Issue	Description/Comments
Sprint 50	LexEVS Development - Sprint 50	LexEVS 6.4 Sprint 50 Stories
Sprint 50	LEXEVS-2675	OWL2 Loader - Associations load as properties and relationships
Sprint 50	LEXEVS-2676	OWL2 Loader - Load annotations with rdf:resource as associations
Sprint 50	LEXEVS-2677	OWL2 Loader - Sources and Representational Forms not present
Sprint 50	LEXEVS-2711	OWL2 Loader - Some classes are failing to load as entities
Sprint 50	LEXEVS-2716	Some value sets fail to load against the NCI.
Sprint 50	LEXEVS-2731	6.4.1.3 Patch: Build artifacts for 6.4.1.3 patch
Sprint 50	LEXEVS-2740	Java 8 Release: Build artifacts for Java 8 Snapshot
Sprint 50	LEXEVS-2745	Deploy lexevs 6.4.1.3.FINAL to NCI's DEV VM
Sprint 50	LEXEVS-2759	Update lexevs-system-test load script to include added value set tests
Sprint 50	LEXEVS-2765	Upgrade LexEVS to run on tomcat 8
Sprint 50	LEXEVSCTS2-145	Java 8 Release: Build artifacts for Java 8 Snapshot
Sprint 50	LEXEVSREM-75	6.4.1.3 Patch: Build artifacts for 6.4.1.3 patch
Sprint 50	LEXEVSREM-82	Java 8 Release: Build artifacts for Java 8 Snapshot
Sprint 50	LEXSYSTEM-1	Update environment to support Tomcat 8

E. Critical Risks or External Dependencies

Activity/Issue	Description to corrective activity/issue

F. 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+Project+16X237+Documents>

We have created a JIRA agile board for the LexEVS Development at:

- <https://tracker.nci.nih.gov/secure/RapidBoard.jsps?rapidView=374&view=planning.nodetail>

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.

G. Status of Deliverables

Deliverable/Milestone	Delivery Date	Status
Project Management Plan (PMP)	20 days following Project Kickoff	In Process
Project Financial Plan (PFP)	20 days following Project Kickoff	Complete
Maintenance of Software System	09/30/2017	In Process
Provide Technical Expertise	09/30/2017	In Process
Project Wiki	10/20/2017	Complete
Monthly Technical Reports:		
October 2016	11/10/2016	Complete
November 2016	12/10/2016	Complete
December 2016	01/10/2017	Complete
January 2017	02/10/2017	Complete
February 2017	03/10/2017	Complete
Monthly Financial Reports:		
October 2016	11/10/2016	Complete
November 2016	12/10/2016	Complete
December 2016	01/10/2016	Complete
January 2017	02/10/2017	Complete
February 2017	03/10/2017	Complete
Project Summary Report	30 Days Before Project Completion	Not Started

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

Activity	Description
LexEVS 6.4.1.4 Patch	Work on loader enhancements
LexEVS 6.5.0 Release	Prepare for Java 8 supported release.

Activity	Description
Continued support for LexEVS	Continue to work with the NCI team on new and existing issues.

I. Additional Reporting

Activity	Description
Project Roadmaps	<ul style="list-style-type: none"> • Roadmap 2017.02.28 • Roadmap 2017.02.21 • Roadmap 2017.02.14 • Roadmap 2017.02.07
Sprint Status	<ul style="list-style-type: none"> • Sprint 48 • Sprint 49 • Sprint 50