Monthly Technical Status Report

LexEVS Operations and Maintenance
Subcontract No. 16X237

February 2017
January 1 – January 31, 2016

Submitted by:

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Contents

A.   Technical Overview

Sprint 46 (December 22, 2016 - January 04, 2016) has been completed. In this sprint, the development team worked on gathering requirements for value set performance and enhancements. The team also investigated and determined the root cause of a threading issue found by CTRP. Other enhancements included the implementation of a value set loader feature, an improved error message, and an update for tomcat in our system tests. Additionally, MySQL 5.5 performance testing was completed.

Sprint 47 (January 5, 2017 - January 18, 2017) has been completed. In this sprint, the development team continued work gathering requirements for value set performance and enhancements, resolved two OWL issues and a CTS2 issue. Work was done to enable the CTS2 artifacts to be published to the NCI Nexus server and research was completed to determine how to publish artifacts from an Ant build script. As part of this sprint, LexEVS 6.4.1.3 SNAPSHOT was also created.

Sprint 48 (January 19, 2017 - February 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 46	LexEVS Development - Sprint 46	LexEVS Development Sprint 46 Stories
Sprint 46	LEXEVS-2566	Value Set: Plan Architecture session
Sprint 46	LEXEVS-2567	CTRP: Install lexevs 6.4.1.2 with CTS2 in local DEV/Mac
Sprint 46	LEXEVS-2568	CTRP: Modify Groovy Script to run in local environment
Sprint 46	LEXEVS-2569	CTRP: Run script against CTS2 to get Out Of Memory error
Sprint 46	LEXEVS-2579	Value Set Loader: Define and Implement empty value set load as having top node as only node
Sprint 46	LEXEVS-2580	MySQL: Set up peformance project for 5.5 baseline
Sprint 46	LEXEVS-2581	MySQL: Request via ticket MySQL 5.6 version for Dev
Sprint 46	LEXEVS-2599	Investigate ResolvedConceptReferenceIterator fails with large Maximum Return Value Configuration

Sprint	Activity	Description/Comments
Sprint 46	LEXEVS-2619	Provide improved Error Messaging for Iterator expiration
Sprint 46	LEXEVS-2631	Full System Test Fails due to Tomcat Update
Sprint 47	LexEVS Development - Sprint 47	LexEVS Development Sprint 47 Stories
Sprint 47	CTS2FW-37	AbstractServiceAwareBean returns incompatible object causing runtime failure
Sprint 47	CTS2FW-40	CTS2 Framework: Push artifacts to NCI Nexus server and test
Sprint 47	LEXEVS-1483	LB GUI: Provide viewing additional metadata in the GUI.
Sprint 47	LEXEVS-2586	Loader: Owl2 Loader does not properly treat Prioritised Presentations from Preferences file
8Sprint 47	LEXEVS-2604	6.4.1.3 SNAPSHOT: Build artifacts for 6.4.1.3 SNAPSHOT
Sprint 47	LEXEVS-2611	CTRP: Investigate cause of Out Of Memory Thread error
Sprint 47	LEXEVS-2616	Value Set: Architecture and design
Sprint 47	LEXEVS-2628	Work with NCI SCM team to determine a solution for publishing from an ANT script
Sprint 47	LEXEVS-2644	Docker: Investigate what is causing lexevs-system-test 6.4.0 branch to fail
Sprint 47	LEXEVS-2651	Evaluate accuracy of Current Transitive Relationship persistence implementation in OWL
Sprint 47	LEXEVSCTS2-111	CTS2: Release ResolvedConceptReferencesIterator after using it

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 48	LexEVS Development - Sprint 48	LexEVS 6.4 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

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.jspa?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

Deliverable/Milestone	Delivery Date	Status
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 November 2016 December 2016	 11/10/2016 12/10/2016 01/10/2016	 Complete Complete Complete
Monthly Financial Reports: October 2016 November 2016 December 2016	 11/10/2016 12/10/2016 01/10/2016	 Complete Complete Complete
Project Summary Report	30 Days Before Project Completion	Not Started

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

Activity	Description
LexEVS 6.4.1.3 Patch	Deliver final release.
Performance Testing for LexEVS on MySQL 5.6	Validate that LexEVS performs as well or better running on MySQL 5.6. LexEVS is currently running on MySQL 5.5.
6.4.2 Development	Complete Java 1.8 upgrade.
Continued support for LexEVS	Continue to work with the NCI team on new and existing issues.

I. Additional Reporting

Activity	Description
Project Roadmaps	• Roadmap 2017.01.25 • Roadmap 2017.01.18 • Roadmap 2017.01.11 • Roadmap 2017.01.04
Sprint Status	• Sprint 46 • Sprint 47 • Sprint 48

M o n t h l y   S t a t u s   R e p o r t