

Monthly Technical Status Report

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

January 2017
December 1 – December 31, 2016

Submitted by:

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Date:
January 10, 2017

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A. Technical Overview

Sprint 44 (November 24, 2016 - December 07, 2016) has been completed. During the sprint, the Mayo development team traveled to Washington D.C. for meetings November 28th through December 3rd. During this trip the Mayo development team was able to get through the process to receive a PIV card. During this time, there was also a Face-to-Face meeting with the NCI team to discuss features and requirements to work on for the next year.

Sprint 45 (December 8, 2016 - December 21, 2016) has been completed. In this sprint, the admin user interface and command line were updated. There were also updates to the OWL2 and value set loaders. Performance baseline numbers on MySQL 5.5 were obtained. These numbers will be used to compare performance against MySQL 5.6. The online CTS2 documentation was also updated to point to 6.4 on production. As part of this sprint, LexEVS 6.4.1.3 SNAPSHOT was also created.

Sprint 46 (December 22, 2016 - January 04, 2016) 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 45	LexEVS Development - Sprint 45	LexEVS Development Sprint 45 Stories
Sprint 45	LEXEVS-2461	LB GUI: 'Next Load' button activates before "End State: completed" logged
Sprint 45	LEXEVS-2503	Loader: OWL2 load and indexing with undetected entitydescription
Sprint 45	LEXEVS-2510	Value Set Loader: Resolved Value Set Should not be loaded if it has no entities to resolve
Sprint 45	LEXEVS-2529	Admin: ListSchemes.sh output needs to increase its width
Sprint 45	LEXEVS-2534	6.4.1.3 SNAPSHOT: Build artifacts for 6.4.1.3 SNAPSHOT
Sprint 45	LEXEVS-2535	6.4.1.3 SNAPSHOT: Put lexevs 6.4.1.3 artifacts on NCI Nexus server
Sprint 45	LEXEVS-2536	6.4.1.3: Update wiki with 6.4.1.3 release notes
Sprint 45	LEXEVS-2547	Install to MySQL 5.6 to local Mac environment
Sprint 45	LEXEVS-2561	Submit NCI ticket to create DEV VM for Mayo
Sprint 45	LEXEVSCTS2-68	CTS2 Documentation - Update CTS2 online API doc to point to 6.4 PROD

Sprint	Activity	Description/Comments
Sprint 45	LEXREMCLI-11	I would like to verify backwards compatibility from 6.4.1.2 to 6.4.1.

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 46	LexEVS Development - Sprint 46	LexEVS 6.4 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 performance 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 46	LEXEVS-2619	Provide improved Error Messaging for Iterator expiration
Sprint 46	LEXEVS-2631	Full System Test Fails due to Tomcat Update

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
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	11/10/2016 12/10/2016	Complete Complete
Monthly Financial Reports: October 2016 November 2016	11/10/2016 12/10/2016	Complete Complete
Project Summary Report	30 Days Before Project Completion	Not Started

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

Activity	Description
Value Set Architecture Planning	Investigate ways to improve resolution performance as well as adding suggested features.

Activity	Description
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.
CTRP Issues Resolution	Determine the root cause of CTRP's issues when making REST calls to CTS2 and determine if there are changes that can improve performance.
LexEVS 6.4.1.3 Patch	Loader and admin changes.
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	<ul style="list-style-type: none"> • Roadmap 2016.12.06 • Roadmap 2016.12.13
Sprint Status	<ul style="list-style-type: none"> • Sprint 44 • Sprint 45 • Sprint 46