Monthly Technical Status Report

LexEVS Operations and Maintenance
Subcontract No. 16X237

August 2017
August 1 – August 31, 2017

Submitted by:

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Date:
September 10, 2017

Contents

A.   Technical Overview

Sprint 61 (July 20, 2017 – August 2, 2017) has been completed. In this sprint, there were several minor LexEVS issues resolved including issues for the history service, search service and OWL2 loader. There were also further enhancements for the value set service as requested by our users. LexEVS 6.5.0.2 was released during this sprint.

Sprint 62 (August 3, 2017 – August 17, 2017) has been completed. In this sprint, the CTS2 API documentation was updated, the ability to add Non-NCIt value sets to asserted value set hierarchy was completed, and the resolved value set query implementation was optimized. Additional work was performed to improve the distributed resolved value set tests.

Sprint 63 (August 18, 2017 – August 31, 2017) has been completed. In this sprint, the OWL2 loader was updated to work with supported sources and representational forms, a fix was added for allowing duplicate value sets access the same index, and there was an additional resolved value set load added the our system tests. LexEVS 6.5.0.3 was released during this sprint.

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 61	LexEVS Development - Sprint 61	LexEVS 6.5 Sprint 61 Stories
Sprint 61	LEXEVS-2678	Incompatibility in LoadResolvedValueSetDefinition
Sprint 61	LEXEVS-3135	Default page for lexevsapi6 needs to be updated
Sprint 61	LEXEVS-3136	Possible HistoryService getDescendants method failure.
Sprint 61	LEXEVS-3137	Contains type search breaks on special characters.
Sprint 61	LEXEVS-3139	OWL2 Loader: Mappings getSupportedRepresentationalForm method returns unexpected values.
Sprint 61	LEXEVS-3140	Value Set (Browser) re-indexing needs to create the new coding scheme with type index
Sprint 61	LEXEVS-3146	Investigate HistoryService getDescendants failure
Sprint 61	LEXEVS-3165	Implement simpler approach to resolving a list of all value sets

Sprint	Activity	Description/Comments
Sprint 61	LEXEVS-3171	Investigate options for returning value sets with a non-NCIt default coding scheme (e.g., NDF-RT)
Sprint 61	LEXEVS-3177	6.5.0.2 Release: Build Artifacts for 6.5.0.2.FINAL
Sprint 61	LEXEVSREM-146	Test jars from LexEVS need to be updated to reflect current tests.
Sprint 61	LEXEVSREM-147	Updating API to provide high performance resolution of value sets
Sprint 62	LexEVS Development - Sprint 62	LexEVS 6.5 Sprint 62 Stories
Sprint 62	LEXEVS-1474	Documentation Updates - Update CTS2 API documentation
Sprint 62	LEXEVS-3170	Provide ability to add Non-NCIt value sets to asserted vs hierarchy
Sprint 62	LEXEVS-3189	Code review and merge of high performance resolved value set
Sprint 62	LEXEVS-3203	Value Set - Update Resolved Value Set Query Mechanism for Optimized Search
Sprint 62	LEXEVSREM-148	Create/Improve/Configure for Distributed Complete set of Resolved Value Set Tests
Sprint 62	LEXSYSTEST-37	Adding another resolved value set load to system test
Sprint 63	LexEVS Development - Sprint 63	LexEVS 6.5 Sprint 63 Stories
Sprint 63	LEXEVS-3221	Duplicate value sets accessing the same index will fail any queries against either scheme
Sprint 63	LEXEVS-3222	OWL2 Loader: SupportedSources not populated
Sprint 63	LEXEVS-3224	Investigate Load of NCIt where Representational Forms are not being loaded
Sprint 63	LEXEVS-3235	6.5.0.3 Release: Build Artifacts for 6.5.0.3.FINAL
Sprint 63	LEXEVSREM-149	Updating Codebase to allow Full Value Set Hierarchy Use
Sprint 63	LEXEVSREM-153	Updating Tests and Configuration to support LEXEVS-3221
Sprint 63	LEXSYSTEST-37	Adding another resolved value set load to system test

B.   New Releases of the Software

Release	Description of the Release

Release Date: Sprint 61: July 20, 2017 – August 2, 2017 The LexEVS 6.5.0.2 release consists of the following components: LexEVS API - LexEVS-install-config-6.5.0.2.FINAL.xml - LexEVS-install-6.5.0.2.FINAL.jar - extLib-6.5.0.2.FINAL.zip - lexbig-6.5.0.2.FINAL.jar	LexEVS 6.5.0.2 FINAL Release Highlights - OWL2 Loader fix for getSupportedRepresentationalForm method. Details of the features and defects fixed can be found here: LexEVS 6.5.0.2 Release Notes
Release Date: Sprint 63: August 17, 2017 – August 31, 2017 The LexEVS 6.5.0.3 release consists of the following components: LexEVS API - LexEVS-install-config-6.5.0.3.FINAL.xml - LexEVS-install-6.5.0.3.FINAL.jar - extLib-6.5.0.3.FINAL.zip - lexbig-6.5.0.3.FINAL.jar	LexEVS 6.5.0.3 FINAL Release Highlights - OWL2 loader fix for populating SupportedSources. Details of the features and defects fixed can be found here: LexEVS 6.5.0.3 Release Notes

C.   Presentations, Documentation Updates, Community Communication

Activity	Description of the Activity
Collaboration with ASU	• The ASU team has developed a Docker container that has LexEVS, URI Resolver, and CTS2 all running together. They are in the process of finishing this work and will soon have this available for the rest of the LexEVS team to review.

D.   Outstanding Issues Being Actively Worked

Sprint	Activity/Issue	Description/Comments

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 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 December 2016 January 2017 February 2017 March 2017 April 2017 May 2017 June 2017 July 2017 August 2017	 11/10/2016 12/10/2016 01/10/2017 02/10/2017 03/10/2017 04/10/2017 05/10/2017 06/10/2017 07/10/2017 08/10/2017 09/10/2017	 Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete Complete

Deliverable/Milestone	Delivery Date	Status
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
March 2017	04/10/2017	Complete
April 2017	05/10/2017	Complete
May 2017	06/10/2017	Complete
June 2017	07/10/2017	Complete
July 2017	08/10/2017	Complete
August 2017	09/10/2017	Complete
Project Summary Report	30 Days Before Project Completion	Not Started

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

Activity	Description
LexEVS 6.5.0 Release	• Support NCI as this release moves up the tiers.
Value Set Architecture/Design	• Continue development on new value set architecture. • Review with NCI team.
Docker and LexEVS Integration	• Investigate ability to deploy a Docker container of LexEVS on NCI's development server.
Continued support for LexEVS	• Continue to work with the NCI team on new and existing issues.

I. Additional Reporting

Activity	Description
Project Roadmaps	• Roadmap 2017.08.01 • Roadmap 2017.08.08
Sprint Status	• Sprint 61 • Sprint 62 • Sprint 63