

Monthly Technical Status Report

**LexEVS Operations and Maintenance
Subcontract No. 13XS500 – Modification 8**

June 2016
May 1 – May 31, 2016

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Date:
June 10, 2016

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A. Technical Overview

We finished sprint 29 (April 28, 2016 – May 11, 2016). In this sprint we fixed several issues including a MedDRASecurity OutOfMemoryError issue, removed the Rxn batch loader as it is now longer used, and updated our continuous integration server to successfully run our unit tests. We also added support in CTS2 for property qualifiers and fixed the failing integration tests. Additionally, we fixed the LexEVS Remote API to run the mapping extension successfully and parameterized the URI resolver service URL for CTS2 LexEVS-Service. During this sprint, we also made several remote API updates to fix serialization issues and to improve performance.

We finished sprint 30 (May 12, 2016 – May 25, 2016). In this sprint, we created build artifacts for 6.3 CTS2 Service, 6.4 CTS2 Service, 6.4 LexEVS API, and 6.4 LexEVS Remote API. We fixed an issue to allow exclusion of anonymous classes during the dynamic resolution of a value set definition. We also completed work to get CTS2 running against LexEVS 6.4 and fixed the “contains” search to properly return results for hyphenated words. We added a fix to our unit tests so they will run in the proper order. Additionally, we fixed an issue with our unit test testMultipleIndexCreation.

Sprint 31 (May 26, 2016 – June 08, 2016) was started this month, but there are no updates for this 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+6.3+and+6.4+Weekly+Meeting+Minutes>

B. Issues Resolved Over the Covered Period

Sprint	Activity	Description/Comments
Sprint 29	6.4 Lucene project – Sprint 29 completed	https://tracker.nci.nih.gov/secure/RapidBoard.jspa?rapidView=220&view=reporting&chart=sprintRetrospective&sprint=660
Sprint 29	LEXEVS-999	MedDRASecurity OutOfMemoryError issue.
Sprint 29	LEXEVS-1309	Dev branch on CI server will pass tests to a certain degree
Sprint 29	LEXEVS-1430	Loader - Batch Loader: Rxn Batch Loader Extension Fails to load
Sprint 29	LEXEVS-1768	CTS2 does not provide property qualifier support - LexEVS 6.3 Support

Sprint	Activity	Description/Comments
Sprint 29	LEXEVS-1770	CTS2 does not provide property qualifier support - LexEVS 6.4 Support
Sprint 29	LEXEVS-1797	CTS2 Integration Tests failing due to duplicate results.
Sprint 29	LEXEVS-1798	I want to investigate performance for LexEVS Remote API.
Sprint 29	LEXEVS-1799	I want to have mapping extension run successfully on LexEVS Remote API without an End of File Exception
Sprint 29	LEXEVS-1806	I like to parameterize the URI resolver service URL for CTS2 LexEVS-Service
Sprint 29	LEXEVS-1830	I want to investigate Tree Hierarchy Extension in LexEVS Remote API
Sprint 29	LEXEVS-1834	I want Hyphenated word contains search to return results
Sprint 30	6.4 Lucene project – Sprint 30 completed	https://tracker.nci.nih.gov/secure/RapidBoard.jspa?rapidView=220&view=reporting&chart=sprintRetrospective&sprint=674
Sprint 30	LEXEVS-1731	Allow exclusion of anonymous classes optionally in dynamic resolution of a value set definition.
Sprint 30	LEXEVS-1749	I want to have CTS2 running with LexEVS 6.4
Sprint 30	LEXEVS-1834	I want Hyphenated word contains search to return results
Sprint 30	LEXEVS-1839	Fix Junit ordering dependency problem.
Sprint 30	LEXEVS-1845	Create Artifacts - 6.3 CTS2 Service
Sprint 30	LEXEVS-1846	Create Artifacts - 6.4 CTS2 Service
Sprint 30	LEXEVS-1848	Create Artifacts - 6.4 LexEVS API

Sprint	Activity	Description/Comments
Sprint 30	LEXEVS-1849	Create Artifacts - 6.4 LexEVS Remote API
Sprint 30	LEXEVS-1880	I want to determine why the junit testMultipleIndexCreation is failing and provide a fix
Sprint 30	LEXEVS-1884	Update URI resolver URL to point to NCI's URI resolver

C. New Releases of the Software

Release	Description of the Release

D. Presentations, Documentation Updates, Community Communication

Activity	Description of the Activity

E. Outstanding Issues Being Actively Worked

Sprint	Activity/Issue	Description/Comments
Sprint 31	LexEVS 6.4 - Sprint 31	LexEVS 6.4 Sprint 31 Stories
Sprint 31	LEXEVS-1889	Create Artifacts - 6.4 LexEVS API
Sprint 31	LEXEVS-1893	Create Artifacts - 6.4 LexEVS Remote API
Sprint 31	LEXEVS-1897	Create Artifacts - 6.4 CTS2 Service
Sprint 31	LEXEVS-1914	Create Artifacts - 6.3 CTS2 Service - FINAL
Sprint 31	LEXEVS-729	As a team, we need to deploy complete LexEVS functionality to NCI DEV servers.
Sprint 31	LEXEVS-1675	Code Cleanup
Sprint 31	LEXEVS-1893	

Sprint 31	LEXEVS-1729	Unexpected behavior found in searching value set using LexEVSValueSetDefinitionServices API.
Sprint 31	LEXEVS-1847	Create a suite of test that can run on the CI server to validate lexevs, lexevs remote api, and lexevs-service (CTS2).
Sprint 31	LEXEVS-1901	I want the lexevs builds to create artifacts with the correct names in the correct directories
Sprint 31	LEXEVS-1910	I want the remote api to run generic unit/integration tests

F. Critical Risks or External Dependencies

Activity/Issue	Description to corrective activity/issue
LexEVS 6.4 Lucene Development	Many of the tasks associated with implementing the new Lucene 5.3.1 search engine are unknown in size. This has the potential of pushing out the release date as we encounter these tasks.

G. Status of Deliverables/Milestones Overview

We have created a project wiki site out on Confluence Wiki at:

- <https://wiki.nci.nih.gov/pages/viewpage.action?pageId=238354574>

We have created a JIRA agile board for the LexEVS 6.4 Lucene release at:

- <https://tracker.nci.nih.gov/secure/RapidBoard.jspa?rapidView=220&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.

H. 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	11/10/2014	In Progress

Deliverable/Milestone	Delivery Date	Status
Monthly Technical Reports:		
October 2014	11/10/2014	Complete
November 2014	12/10/2014	Complete
December 2014	01/10/2015	Complete
January 2015	02/10/2015	Complete
February 2015	03/10/2015	Complete
March 2015	04/10/2015	Complete
April 2015	05/10/2015	Complete
May 2015	06/10/2015	Complete
June 2015	07/10/2015	Complete
July 2015	08/10/2015	Complete
August 2015	09/10/2015	Complete
September 2015	10/10/2015	Complete
October 2015	11/10/2015	Complete
November 2015	12/10/2015	Complete
December 2015	01/10/2016	Complete
January 2016	02/10/2016	Complete
February 2016	03/10/2016	Complete
March 2016	04/10/2016	Complete
April 2016	05/10/2016	Complete
May 2016	06/10/2016	Complete

Deliverable/Milestone	Delivery Date	Status
Monthly Financial Reports:		
October 2014	11/10/2014	Complete
November 2014	12/10/2014	Complete
December 2015	01/10/2015	Complete
January 2015	02/10/2015	Complete
February 2015	03/10/2015	Complete
March 2015	04/10/2015	Complete
April 2015	05/10/2015	Complete
May 2015	06/10/2015	Complete
June 2015	07/10/2015	Complete
July 2015	08/10/2015	Complete
August 2015	09/10/2015	Complete
September 2015	10/10/2015	Complete
October 2015	11/10/2015	Complete
November 2015	12/10/2015	Complete
December 2015	01/10/2016	Complete
January 2016	02/10/2016	Complete
February 2016	03/10/2016	Complete
March 2016	04/10/2016	Complete
April 2016	05/10/2016	Complete
May 2016	06/10/2016	Complete

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

Activity	Description
LexEVS 6.4 Lucene development	<ul style="list-style-type: none"> • Verify/fix any issues associated with services that use the LexEVS API running the new Lucene code base. • Deploy LexEVS, LexEVS Remote API and CTS2 services to NCI's DEV instance and test. • Document LexEVS 6.4 changes on the wiki

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

J. Additional Reporting