

Monthly Technical Status Report

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

August 2016

July 1 – July 31, 2016

Submitted by:

Craig Stancl, Scott Bauer, Cory Endle, Deepak Sharma

Date:

August 10, 2016

Contents

- Monthly Technical Status Report1
- A. Technical Overview.....3
- B. Issues Resolved Over the Covered Period3
- C. New Releases of the Software5
- D. Presentations, Documentation Updates, Community Communication6
- E. Outstanding Issues Being Actively Worked.....7
- F. Critical Risks or External Dependencies8
- G. Status of Deliverables/Milestones Overview.....9
- H. Status of Deliverables9
- I. Description of Work/Activities Planned for the next Month11
- J. Additional Reporting12

A. Technical Overview

Sprint 33 (June 23, 2016 – July 06, 2016) has been completed. In this sprint we added additional support for the HL7 and OWL2 loaders. We also created LexEVS artifacts for our 6.4 release candidate.

Sprint 34 (July 07, 2016 – July 20, 2016) has been completed. In this sprint we completed work on LexEVS 6.4. This included updating the wiki documentation for the LexEVS 6.4 release, updating the Git code repositories with the final branch and tag, and creating the final LexEVS artifacts for our 6.4 release. We also continued working on an OWL2 loader feature and started planning for the next releases.

Sprint 35 (July 21, 2016 – August 03, 2016) has been started, 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 33	LexEVS 6.4 - Sprint 33	LexEVS 6.4 Sprint 33 Stories
Sprint 33	LEXEVS-1037	Loader - HL7: HL7 SupportedNamespaces data issue.
Sprint 33	LEXEVS-1335	Loader - OWL2: Load of OWL2 sources will deal with only and exactly restrictions
Sprint 33	LEXEVS-1336	Loader - OWL2: Load of OWL2 sources will deal with has role relationships from "some" restrictions
Sprint 33	LEXEVS-1337	Loader - OWL2: Anotation uses individuals
Sprint 33	LEXEVS-1888	Merge lexevs dev code to the master branch in git
Sprint 33	LEXEVS-1984	Create Artifacts - 6.4 LexEVS API
Sprint 33	LEXEVS-1985	Create Artifacts - 6.4 LexEVS Remote API
Sprint 33	LEXEVS-1986	Create Artifacts - 6.4 CTS2 Service
Sprint 33	LEXEVS-2016	Loader - HL7: entityType format needs to be updated
Sprint 33	LEXEVS-2024	Review LexEVS model for possible positioning of operand logic

Sprint	Activity	Description/Comments
Sprint 33	LexEVS 6.4 - Sprint 34	LexEVS 6.4 Sprint 34 Stories
Sprint 34	LEXEVS-1338	Loader - OWL2: Load of OWL2 sources will deal with tagged obo namespace values as resolvable properties
Sprint 34	LEXEVS-2026	Documentation: Provide LexEVS 6.4 documentation to support production deployment
Sprint 34	LEXEVS-2027	Documentation: Update 6.x documentation to include 6.4 references
Sprint 34	LEXEVS-2028	Documentation: Create 6.4 install and download pages.
Sprint 34	LEXEVS-2029	Documentation: Create 6.4 release wiki pages.
Sprint 34	LEXEVS-2031	Documentation: Update Release Roadmap to include LexEVS 6.4
Sprint 34	LEXEVS-2032	Documentation: Update 6.4 Release notes to describe features/issues resolved in this release.
Sprint 34	LEXEVS-2033	Documentation: Create CTS2 wiki page for 6.4 changes
Sprint 34	LEXEVS-2034	Investigate Issue LexEVS-1999
Sprint 34	LEXEVS-2035	As a team, we need to plan for 6.5 development
Sprint 34	LEXEVS-2039	Merge lexevs-remote dev branch to the master branch in git
Sprint 34	LEXEVS-2040	Merge lexevs-service (CTS2) dev branch to the master branch in git
Sprint 34	LEXEVS-2058	Create Artifacts - 6.4 LexEVS
Sprint 34	LEXEVS-2063	Verify issue LEXEVS-2020 (getIsPreferred) is fixed in LexEVS 6.4
Sprint 34	LEXEVS-2068	Create Artifacts - 6.4 LexEVS Remote API
Sprint 34	LEXEVS-2072	Create Artifacts - 6.4 CTS2 Service
Sprint 34	LEXEVS-2078	Lexevs install script completes with an error - gui/Linux-lbGUI.sh does not exist anymore
Sprint 34	LEXEVS-2093	Create FINAL Artifacts - 6.4 LexEVS
Sprint 34	LEXEVS-2094	Create FINAL Artifacts - 6.4 LexEVS Remote API

Sprint	Activity	Description/Comments
Sprint 34	LEXEVS-2095	Create FINAL Artifacts - 6.4 CTS2 Service
Sprint 34	LEXEVS-2119	Remove SQL drivers from LexEVS install/packaging
Sprint 34	LEXEVS-2123	Update LexEVS 6.4 to reference current version
Sprint 34	LEXEVS-2124	Update LexEVS license information
Sprint 34	LEXEVS-2127	Remove admin guides and update Mayo and NCI reference names
Sprint 34	LEXEVS-2132	Documentation: Update miscellaneous documentation links and text

C. New Releases of the Software

Release	Description of the Release
<p>Release Date: Sprint 34 - July 20, 2016</p> <p>The LexEVS 6.4.0 release consists of the following 3 components:</p> <p>LexEVS API</p> <ul style="list-style-type: none"> LexEVS-install-config-6.4.0.FINAL.xml LexEVS-install-6.4.0.FINAL.jar extLib-6.4.0.FINAL.zip lexbig-6.4.0.FINAL.jar <p>LexEVS Remote API</p> <ul style="list-style-type: none"> lexevsapi64-6.4.0.FINAL.war <p>Lexevs CTS2</p> <ul style="list-style-type: none"> lexevs-service-1.5.0.FINAL.war 	<p>LexEVS 6.4.0 FINAL Release</p> <p>LexEVS 6.4.0 Release Notes for the final release.</p> <p>Features added since the previous release:</p> <ul style="list-style-type: none"> LEXEVS-2124 Update LexEVS license information LEXEVS-2127 Remove admin guides and update Mayo and NCI reference names LEXEVS-2132 Documentation: Update miscellaneous documentation links and text LEXEVS-2119 Remove SQL drivers from LexEVS install/packaging LEXEVS-2078 Lexevs install script completes with an error - gui/Linux-lbGUI.sh does not exist anymore

<p>Release Date: Sprint 34 - July 07, 2016</p> <p>The LexEVS 6.4.0 RC2 release consists of the following 3 components:</p> <p>LexEVS API</p> <ul style="list-style-type: none"> • LexEVS-install-config-6.4.0.RC2.xml • LexEVS-install-6.4.0.RC2.jar • extLib-6.4.0.RC2.zip • lexbig-6.4.0.RC2.jar <p>LexEVS Remote API</p> <ul style="list-style-type: none"> • lexevsapi64-6.4.0.RC2.war <p>Lexevs CTS2</p> <ul style="list-style-type: none"> • lexevs-service-1.5.0.RC2.war 	<p>LexEVS 6.4.0 Release Candidate 2 Release</p> <p>Features added since the previous release:</p> <ul style="list-style-type: none"> • LEXEVS-1037 Loader - HL7: HL7 SupportedNamespaces data issue. • LEXEVS-2016 Loader - HL7: entityCode format needs to be updated • LEXEVS-1335 Loader - OWL2: Load of OWL2 sources will deal with only and exactly restrictions • LEXEVS-1336 Loader - OWL2: Load of OWL2 sources will deal with has role relationships from "some" restrictions • LEXEVS-1337 Loader - OWL2: Annotation uses individuals
<p>Release Date: Sprint 33 - June 23, 2016</p> <p>The LexEVS 6.4.0 RC1 release consists of the following 3 components:</p> <p>LexEVS API</p> <ul style="list-style-type: none"> • LexEVS-install-config-6.4.0.RC1.xml • LexEVS-install-6.4.0.RC1.jar • extLib-6.4.0.RC1.zip • lexbig-6.4.0.RC1.jar <p>LexEVS Remote API</p> <ul style="list-style-type: none"> • lexevsapi64-6.4.0.RC1.war <p>Lexevs CTS2</p> <ul style="list-style-type: none"> • lexevs-service-1.5.0.RC1.war 	<p>LexEVS 6.4.0 Release Candidate 1 Release</p> <p>Features added since the previous release:</p> <p>LEXEVS-1975 - Loader - OWL: Add Maps_To as a complex property to the loader.</p>

D. Presentations, Documentation Updates, Community Communication

Activity	Description of the Activity
----------	-----------------------------

<p>LexEVS 6.4 wiki updates. This includes updated pages as well as new pages.</p>	<ul style="list-style-type: none"> • https://wiki.nci.nih.gov/display/LexEVS/LexEVS+6.4+Release+Notes • https://wiki.nci.nih.gov/display/LexEVS/2+-+LexEVS+6.x+Prerequisite+Software+and+Supported+Platforms • https://wiki.nci.nih.gov/display/LexEVS/LexEVS+6.x+Prerequisite+Software+Supported+to+Include • https://wiki.nci.nih.gov/display/LexEVS/LexEVS+6.x+Optional+Software+to+Include • https://wiki.nci.nih.gov/display/LexEVS/LexEVS+6.4+Local+Runtime+Down+loads+to+Include • https://wiki.nci.nih.gov/display/LexEVS/3+-+Installing+LexEVS+6.x+Local+Runtime • https://wiki.nci.nih.gov/display/LexEVS/LexEVS+Release+Roadmap • https://wiki.nci.nih.gov/display/LexEVS/LexEVS+6.4+Release+Details • https://wiki.nci.nih.gov/display/LexEVS/LexEVS+6.4+Release+Highlights • https://wiki.nci.nih.gov/display/LexEVS/LexEVS+6.4+Installation+Options • https://wiki.nci.nih.gov/display/LexEVS/LexEVS+and+EVS+Javadocs+Index • https://wiki.nci.nih.gov/display/LexEVS/LexEVS+6.x+CTS2 • https://wiki.nci.nih.gov/display/LexEVS/LexEVS+6.4+CTS2 • https://wiki.nci.nih.gov/display/LexEVS/LexEVS+6.4+Functionality+Overview • https://wiki.nci.nih.gov/display/LexEVS/LexEVS+6.4 • https://wiki.nci.nih.gov/display/LexEVS/LexEVS+Software+Release+Identifiers • https://wiki.nci.nih.gov/display/LexEVS/8+-+Installing+LexEVS+6.x+URI+Resolver+Service • https://wiki.nci.nih.gov/display/LexEVS/LexEVS • https://wiki.nci.nih.gov/display/LexEVS/3+-+LexEVS+6.x+Loader+Framework • https://wiki.nci.nih.gov/display/LexEVS/LexEVS+Software+Release+Identifiers
---	--

E. Outstanding Issues Being Actively Worked

Sprint	Activity/Issue	Description/Comments
Sprint 35	LexEVS 6.4 - Sprint 35	LexEVS 6.4 Sprint 35 Stories
Sprint 35	LEXEVS-726	As a team, we need to update our wiki documentation to support the new and updated features
Sprint 35	LEXEVS-1151	Loader - OWL2: Investigate OBI Load - why loading of named instances (individuals) don't appear in the browser.
Sprint 35	LEXEVS-1152	Loader - OWL2: Investigate OBI Load - why restrictions on a class are not being seen in the GUI

Sprint 35	LEXEVS-1153	Loader - OWL2: Investigate NDFRT Load - why restrictions on a class are not being seen in the GUI
Sprint 35	LEXEVS-1160	Loader - OWL2: NDFRT Loader - Restrictions on a class not displayed in the browser.
Sprint 35	LEXEVS-1299	Loader - OWL2: Unable to associate property code with property label.
Sprint 35	LEXEVS-1339	Loader - OWL2: Entity or BFO_0000001 has qualifier value that is not resolved
Sprint 35	LEXEVS-1976	Loader - OWL2: Investigate to determine if complex property loader directives are hard coded
Sprint 35	LEXEVS-2030	Loader - OWL2 history annotation should be represented as an IRI
Sprint 35	LEXEVS-2049	Initiate LexEVS 6.4 deployment to QA
Sprint 35	LEXEVS-2081	As a team, we need to complete all 6.3 and 6.4 related stories (prior to FINAL code release)
Sprint 35	LEXEVS-2087	Documentation: Complete wiki documentation (associated to FINAL code release)
Sprint 35	LEXEVS-2109	JIRA Preparation - Create JIRA environment and artifacts for 6.5 Development
Sprint 35	LEXEVS-2139	Investigate JIRA issue LEXEVS-2131 - Qualifier field not wide enough
Sprint 35	LEXEVS-2140	Investigate Tech Stack Update - Java 8
Sprint 35	LEXEVS-2142	Investigate Tech Stack Update - CentOS 7
Sprint 35	LEXEVS-2143	Investigate Tech Stack Update - Spring 4
Sprint 35	LEXEVS-2171	OBI Load generates jdbc errors
Sprint 35	LEXEVS-2175	Create LexEVS Remote Client 6.4.0 FINAL version
Sprint 35	LEXEVS-2184	Investigate running lexevs components over HTTPs

F. Critical Risks or External Dependencies

Activity/Issue	Description to corrective activity/issue
----------------	--

Activity/Issue	Description to corrective activity/issue
LexEVS Formal Deployment Process	Testing, validating, and moving LexEVS services up each tier (DEV, QA, STAGE, PROD) can take a long time due to all of the different teams involved. This has the potential to push the release date out.

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
June 2016	07/10/2016	Complete
July 2016	08/10/2016	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
June 2016	07/10/2016	Complete
July 2016	08/10/2016	Complete

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

Activity	Description
LexEVS 6.4 Lucene deployment	<ul style="list-style-type: none"> • LexEVS 6.4 AppScan on QA tier. • Deploy LexEVS 6.4 to STAGE/PROD
LexEVS 6.4.1 Update (HTTPS)	Update the LexEVS 6.4 remote API, URI Resolver and LexEVS CTS2 services to communicate over HTTPS.

Activity	Description
LexEVS 6.5 Planning	Plan for the next LexEVS release. Determine the release date and what features should be included.
Continued support for LexEVS	Continue to work with the NCI team on new and existing issues.

J. Additional Reporting