Monthly Technical Status Report

LexEVS Operations and Maintenance
Subcontract No. 20X048F
Option Year 2

April 2022
March 1 – March 31, 2021

Submitted by:

Scott Bauer, Tracy Safran

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Contents

A. Technical Overview

Sprint 181 (24/Feb/22– 10/Mar/22) has been completed. In this sprint, the team removed another generation of log4j vulnerabilities from applications, updated remote and service tests. They also worked with the systems and browsers teams to create AWS proxies and Sumo Logic connectors on Cloud instances. Ongoing updates for other vulnerabilities were completed as well

Sprint 182 (10/Mar/22– 23/Mar/22) has been completed. In this sprint, the team supported the load of the latest NCI Metathesaurus, continued work on a CTS2/Uri Resolver issue, provided updated monitoring support for applications, and updated all our NCIP channel github projects to remove obsolete branches and merge into main latest releases. We also pushed forward deployments and releases of a variety of fixes, and one new application.

Sprint 183 (23/Mar/22– 07/Apr/22) Will be completed at the end of this reporting period and has been reported on accordingly. We started an upgrade and expansion to the URI Resolver, adding top level domain resolution capability. We completed duration reporting on the Sumo Logic dashboards. The full system test was updated to account for updates to the log4j remediation. We have an ongoing investigation into the NCIm MedDRA representation in LexEVS and the broken hierarchy that's resulted from that.

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+20X048F+Weekly+Meeting+Minutes

Issues Resolved Over the Covered Period:

Sprint	Activity	Description/Comments
Sprint 181	LexEVS Development -Sprint 181	LexEVS 6.5 Sprint 181 Stories
Sprint 181	EVSREPEXP-443	Fix UI vulnerability for prismjs component
Sprint 181	LEXEVS-5227	Update lexevs remote tests for vocabulary drift
Sprint 181	EVSSTATS-86	Domain resolver - create a "whois" timeout function
Sprint 181	LEXEVSCTS2-422	Update Service Tests for CTS2 REST Service
Sprint 181	EVSSTATS-87	Start process of updating AWS instances to have apache proxy
Sprint 181	LEXEVSCTS2-423	Remove remaining legacy Log4j dependency

Sprint	Activity	Description/Comments
Sprint 182	LexEVS Development Sprint - 182	LexEVS 6.5 Sprint 182 Stories
Sprint 182	LEXEVS-5233	Update LexEVS projects on NCIP Git channel
Sprint 182	EVSSTATS-88	Monitor for service back up
Sprint 182	EVSSTATS-89	Create a monthly report for February with Sumo Logic
Sprint 182	LEXEVS-5228	Provide support and training for Metathesaurus 202202
Sprint 183	URIRESOLV-55	Update to SNOMED Resource Name Required
Sprint 183	EVSCOMPARE-14	Update Docker script to fix ui/server connection issues
Sprint 183	EVSSTATS-90	Create report that shows EVS Download/Data usage and visits for selected time period
Sprint 183	URIRESOLV-56	Add capability to resolve top level domains
Sprint 183	EVSSTATS-35	Create query to retrieve duration of visits per month

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 183	LexEVS Development -Sprint 183	LexEVS 6.5 Sprint 183 Stories
Sprint 183	LEXEVSCTS2-421	SNOMEDCT_US_2021_03_01_TO_ICD10CM_2021 Map fails to resolve entries
Sprint 183	LEXEVS-5238	Update loaders for log4j remediation
Sprint 183	EVSSTATS-94	Start List of Bots and Health Checkers for Source Filters
Sprint 183	LEXEVS-5237	MetaTree API fails to reach roots of a source hierarchy.

E.   Critical Risks or External Dependencies

Activity/Issue	Description to corrective activity/issue
Continued aggressive scanning by NIH and CBIIT security, as well as GitHUB Dependabot, has the risk of generating urgent repair requests	Exceptional flexibility and support required for fixes that could have broad consequences and required long completion times.

F.   Status of Deliverables/Milestones Overview

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

- https://wiki.nci.nih.gov/display/LexEVS/LexEVS+Project+20X048F+Documents

- https://wiki.nci.nih.gov/display/LexEVS/Report+Exporter+Project+Documents

- https://wiki.nci.nih.gov/display/LexEVS/EVS+Analytics+Dashboard+Project+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	Ongoing	In Process
Provide Technical Expertise	Ongoing	In Process
Project Wiki	10/20/2019	Complete

Deliverable/Milestone	Delivery Date	Status
Monthly Technical Reports:		
August 2019	09/10/2019	Complete
September 2019	10/10/2019	Complete
October 2019	11/10/2019	Complete
November 2019	12/10/2019	Complete
December 2019	01/10/2020	Complete
January 2020	02/10/2020	Complete
February 2020	03/10/2020	Complete
March 2020	04/10/2020	Complete
April 2020	05/10/2020	Complete
May 2020	06/10/2020	Complete
June 2020	07/10/2020	Complete
July 2020	08/10/2020	Complete
August 2020	09/10/2020	Complete
September 2020	10/10/2020	Complete
October 2020	11/10/2020	Complete
November 2020	12/10/20 20	Complete
December 2020	01/10/2021	Complete
January 2021	02/10/2021	Complete
February 2021	03/10/2021	Complete
March 2021	04/10/2021	Complete
April 2021	05/10/2021	Complete
May 2021	06/10/2021	Complete
June 2021	07/10/2021	Complete
July 2021	08/10/2021	Complete
August 2021	09/10/2021	Complete
September 2021	10/10/2021	Complete
October 2021	11/10/2021	Complete
November 2021	12/10/2021	Complete
December 2021	01/10/2022	Complete
January 2022	02/10/2022	Complete
February 2022	03/10/2022	Complete
March 2022	04/10/2022	Complete

Deliverable/Milestone	Delivery Date	Status
Monthly Financial Reports:		
August 2019	09/10/2019	Complete
September 2019	10/10/2019	Complete
October 2019	11/10/2019	Complete
November 2019	12/10/2019	Complete
December 2019	01/10/2020	Complete
January 2020	02/10/2020	Complete
February 2020	03/10/2020	Complete
March 2020	04/10/2020	Complete
April 2020	05/10/2020	Complete
May 2020	06/10/2020	Complete
June 2020	07/10/2020	Complete
July 2020	08/10/2020	Complete
August 2020	09/10/2020	Complete
September 2020	10/10/2020	Complete
October 2020	11/10/2020	Complete
November 2020	12/10/20 20	Complete
December 2020	01/10/2021	Complete
January 2021	02/10/2021	Complete
February 2021	03/10/2021	Complete
March 2021	04/10/2021	Complete
April 201	05/10/2021	Complete
May 2021	06/10/2021	Complete
June 2021	07/10/2021	Complete
July 2021	08/10/2021	Complete
August 2021	09/10/2021	Complete
September 2021	10/10/2021	Complete
October 2021	11/10/2021	Complete
November 2021	12/10/2021	Complete
December 2021	01/10/2022	Complete
January 2022	02/10/2022	Complete
February 2022	03/10/2022	Complete
March 2022	04/10/2022	Complete
Project Summary Report	30 Days Before Project Completion	Not Started

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

Activity	Description
Continued support for LexEVS	• Continue to work with the NCI team on new and existing issues.
Investigate and correct MedDRA Hierarchy issues	• Decide how to fix or implement MedDRA hierarchy imported from NCIm MedDRA data representation.
Statistics Dashboard implementation	• Review/update dashboards on production
LexEVS Log4j fix	• Work through local log4j issues not surfaced in web implementations
EVS Compare tool	• Deploy EVS Compare tool to the dev tier and get feedback.
Implement new Domain Resolution Tool for Statistics Dashboard	• Provide a service within URI Resolver to allow local service for TLD resolution

I.   Additional Reporting

Activity	Description
Sprint Status	• Sprint 181 • Sprint 182 • Sprint 183