

Monthly Technical Status Report

**LexEVS Operations and Maintenance
Subcontract No. 20X048F
Base Year**

March 2020
February 1 – February 29, 2020

Submitted by:

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A. Technical Overview

Sprint 127 (January 30, 2020 – February 12, 2020) has been completed. In this sprint, we created documentation for deploying the graph database, for the graph database loader, as well as the graph service API. We deployed the graph service to the LexEVS dev system and verified that it worked as expected. There were also debug features added to the LexEVS system tests for easier issue investigation.

Sprint 128 (February 13, 2020 – February 27, 2020) has been completed. In this sprint, the team mainly worked on preparations for the next LexEVS release.

Sprint 129 (February 28, 2020 – March 11, 2020) 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 127	LexEVS Development - Sprint 127	LexEVS 6.5 Sprint 127 Stories
Sprint 127	LEXEVS-4829	Code review/Integration tests
Sprint 127	LEXEVS-4853	Create Loader Documentation for Graph Loader
Sprint 127	LEXEVS-4854	Create Deployment and other documentation for graph service and API
Sprint 127	LEXEVS-4855	Deploy and smoke test final graph service snapshot to dev
Sprint 127	LEXSYSTEST-168	Update Handling of container debugging and property file management
Sprint 128	LexEVS Development - Sprint 128	LexEVS 6.5 Sprint 128 Stories
Sprint 128	LEXEVS-4866	Prepare for Release

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 129	LexEVS Development - Sprint 129	LexEVS 6.5 Sprint 129 Stories
Sprint 129	LEXEVS-4837	LexEVS VM on DEV - Run Test Harness to test Performance
Sprint 129	LEXEVS-4838	LexEVS DEV - Run Test Harness to test Performance
Sprint 129	LEXEVS-4863	source-code qualifier implementation returns results on regular qualifiers

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+20X048F+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

Deliverable/Milestone	Delivery Date	Status
Provide Technical Expertise	Ongoing	In Process
Project Wiki	10/20/2019	Complete
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
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
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	<ul style="list-style-type: none"> Continue to work with the NCI team on new and existing issues.
Docker Development	<ul style="list-style-type: none"> Work on deploying LexEVS components as Docker containers.
Ongoing Features/Issue resolution	<ul style="list-style-type: none"> Continue to work on requested features and issues in our Jira backlog.
Implement additional graph resolve REST service features	<ul style="list-style-type: none"> Work on new graph DB features requested by the user.
Test VM performance	<ul style="list-style-type: none"> Compare LexEVS performance running on physical hardware and on a VM.

I. Additional Reporting

Activity	Description
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Activity	Description
Sprint Status	<ul style="list-style-type: none"><li data-bbox="857 233 1029 264">• Sprint 127<li data-bbox="857 264 1029 296">• Sprint 128<li data-bbox="857 296 1029 327">• Sprint 129