GSoC 2020 : Upgrade Platform Core Libraries Project

<table>
<thead>
<tr>
<th>Primary mentor</th>
<th>Moses Mutesasira</th>
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<td>Assigned to</td>
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Abstract

We need to upgrade our Platform Core libraries, to be able to leverage all the latest functionalities in the latest released versions of these libraries. As first priority we would need to upgrade Java. This project will address the issues that will arise during the Upgrade.

Project Champions

Moses Mutesasira  Daniel Kayiwa  Burke Mamlin  Ian Bacher  Ivo Ulrich

Skills Needed

- Excellent understanding of Java
- Good understanding of the hibernate library
- Good understanding of the Spring library
- General understanding of the OpenMRS data model

Objectives

- Upgrading Java from OpenJDK 8 to OpenJDK 11. Note that Java 11 is Only supported out of the box in Spring 5.

Issues

- TRUNK-5496 - Upgrade Core to Compile and run on OpenJDK 8, 9, 10, 11, 12, 13, 14  [CLOSED]

Extra Credit

- Upgrading other Libraries that are pending.
  - see the Libraries board https://issues.openmrs.org/secure/RapidBoard.jspa?rapidView=201&selectedIssue=TRUNK-5496

Resources


Relevant link

- https://medium.com/@pahonsibe/beto/gsoc-2020-final-evaluations-d4fbd98e7345
- https://talk.openmrs.org/t/gsoc-2020-upgrade-platform-core-libraries-project-final-presentation/30068

- TRUNK-5811 - Update Junit from 4 to 5  [IN PROGRESS]
- TRUNK-5768 - Upgrade remaining dependencies for Platform 2.4  [IN PROGRESS]
- RESTWS-778 - Upgrade the dependencies for Webservice Rest Module  [IN PROGRESS]

Project Status

- Upgrading Java from OpenJDK 8 to OpenJDK 11. Note that Java 11 is Only supported out of the box in Spring 5.  [DONE]