

OPENLMIS VERSION 3

Developed initially in the fall of 2012 with significant contributions from many key partners, VillageReach and ThoughtWorks began development on the first release of OpenLMIS, an electronic open-source logistics management information system (LMIS).

As new installations of OpenLMIS were developed and deployed, challenges surfaced related to extending OpenLMIS. Without extensible and modular architecture, implementers separated the code base, or forked the code, to meet country specific requirements. In an effort to support a single core codebase and provide enhanced extensibility, the community agreed to re-design the system in a service-based, Application Program Interface (API)-driven, modular approach. This effort is referred to as the “re-architecture” of OpenLMIS.

OpenLMIS v3 is built with an all-new microservices architecture that better supports customizations and extensions. The goal is to enable multiple OpenLMIS implementations in different countries while still sharing one global, open source codebase. This concept is at the heart of the OpenLMIS mission of “shared investment, shared benefit.” The new version of OpenLMIS may look similar to version 2, but under the hood the architecture and technology are a leap forward.

By re-architecting OpenLMIS, the product better enables contribution and maximizes shared benefit by promoting code reuse and transferrable customizations across implementations. The end result is a powerful, flexible product that emphasizes interoperability, extensibility and performance at scale across countries, programs, and products.

VERSION 3 FEATURES AND FUNCTIONALITY

Many of the changes demonstrated by the new version are a behind-the-scenes update that introduces modularity and extensibility to the product. This means that additional functionality may be added at run or build time via a module plugin-style architecture, including modules for new functionality, User Interface (UI) components, data, etc. While users may not see sweeping changes on the surface, OpenLMIS v3 includes new features and functionality that meet the most-requested needs of users. Throughout the release schedule, new features to be released include:

- *Stock Management*
- *Offline Capability for Select Business Processes*
- *Third party Business Intelligence (BI) tool support (for example: [Tableau](#))*
- *Interoperability enabled by APIs*
- *Associations between product codes and Global Standards One ([GS1](#)) trade items*
- *Vaccines module with cold chain equipment management*

OPENLMIS PRODUCT ROADMAP

The objective of the OpenLMIS re-architecture is to better enable contribution to the core code line and maximize shared benefit by promoting code reuse and transferrable customizations. By moving from a feature-based release schedule and monolithic ‘core’ architecture to a time-based schedule with modular architecture, the product will have a faster time-to-market for v3, less disruption to existing implementations, and a cleaner, more extensible model enabling easier introduction of new technologies for automation. The [OpenLMIS product roadmap](#) contains the most current features, functionality, and timelines for OpenLMIS development. Ongoing revisions and additions are managed through the OpenLMIS Product Committee. The product roadmap should be referenced for the most up-to-date accurate information, and all features and functionalities of future releases of OpenLMIS are subject to change based on implementor requirements, strategic direction, and available resources.