OpenLRS and OpenDashboard

IN PROGRESS

SUMMARY

OpenLRS and OpenDashboard are two core components of a collection of open source applications and services that represent the “Analytics Diamond” (see diagram to the left). These components can be used individually or collectively; they work with a shared infrastructure and data model.

Contact

Accelerated development currently funded by Uniformed Services University and implemented by Unicon.

Questions? Interested in collaborating on these projects? Contact Kate Valenti at kvalenti@unicon.net

Current state of an open analytics environment

OpenLRS OVERVIEW

OpenLRS is a secure, standards-based, standalone Learning Record Store. OpenLRS was built to fill the need for a high i/o storage mechanism for an open learning analytics environment, as displayed in the diagram on the right. Built on a scalable architecture, using modern web technologies, OpenLRS provides the fast reads and writes necessary for a dynamic analytics environment.

Implementation

- Spring-Boot
- Pluggable Datastores (redis + elasticsearch defaults)

Roadmap

- Broaden support for xAPI
- Support for IMS Caliper
- Performance testing & documentation

Code

https://github.com/Apereo-Learning-Analytics-Initiative/OpenLRS

OpenDashboard OVERVIEW

OpenDashboard is a web application that provides a framework for displaying analytics visualizations and data views called “cards”. Cards represent a single discrete visualization or data view but share an API and data model.

Implementation

- AngularJS
- Spring-Boot
- Pluggable Datastores (redis + mongodb defaults)

Roadmap

- Card configuration and management
- Security and session management
- Javascript and REST API
Code
https://github.com/Apereo-Learning-Analytics-Initiative/OpenDashboard