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 at unicondotnet

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