

Introducing Thalia

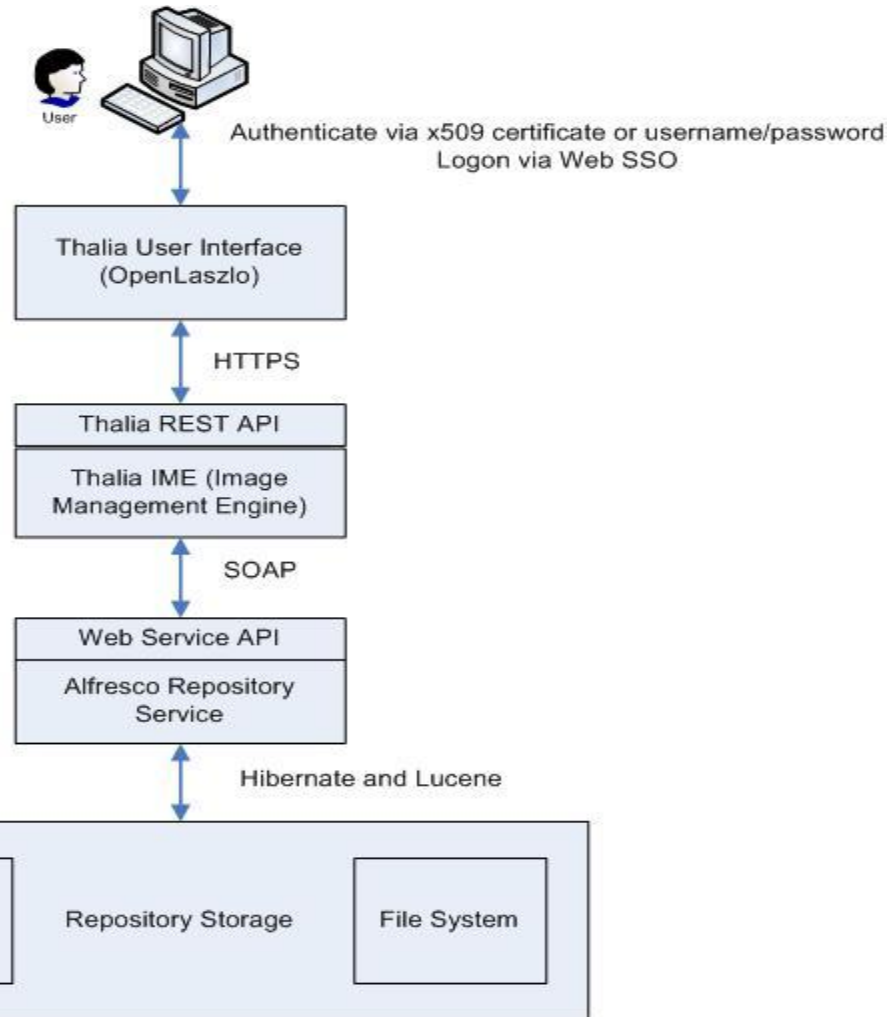
CSG Workshop
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Overview of Thalia

- Thalia is an enterprise image storage and management application.
 - Web based, centralized service
 - Support both departmental needs and personal/academic needs
 - Secure, reliable, and highly available
- It is Part of a long-term content management strategy by ISDA
 - Integration and collaboration with other content management applications
 - Adoption of Dublin Core Metadata Element Set, an interoperable online metadata standard.
 - Specially designed for departmental and academic use.

Thalia Architecture

- Multi-layered:
 - Web Interface
 - IME Layer
 - Repository
 - Database and File System
- Distributed and scalable
- REST API and XML



Thalia Web Interface

- Rich Web client written in OpenLazlo and Flash.
- Completely redesigned: sleek and functional
- Built to feel like a desktop application, delivered over the web

Thalia IME Layer

- What is REST
 - Representational State Transfer
 - Application state and functionality are divided into resources addressable using a unified syntax and a set of well-defined operations.
 - GET : retrieve resource
 - POST: create resource
 - DELETE: delete resource
 - PUT: update resource
 - Stateless
 - XML as messaging format
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Thalia IME Layer

- Benefit of REST style API
 - Simple and Well-understood technologies: HTTPS + XML
 - No need to maintain state makes the server more scalable.
 - Open and easy to use.

Thalia Repository : Alfresco

- What is Alfresco and why we use it
 - Open source enterprise content repository and management system.
 - Use of state of art open source technologies such as Spring, Hibernate, Lucene, ACEGI
 - Support multiple OS and database
 - Provides multiple interfaces: Web services, JSR 170, REST, CIFS, WebDAV, etc
 - Used as content repository in other content management services provided by ISDA
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Thalia Timelines

- August 3rd. Limited release to HST, SAP, and PSB. (demo site: <https://demo.thalia-test.mit.edu>)
- Dec. 2007. Release 1.0 (full release)
- Spring 2008. Release 2.0 (code name Codfish).

Questions & Comments

- Contact thalia-team@mit.edu