

# Introducing Thalia

IT Leaders

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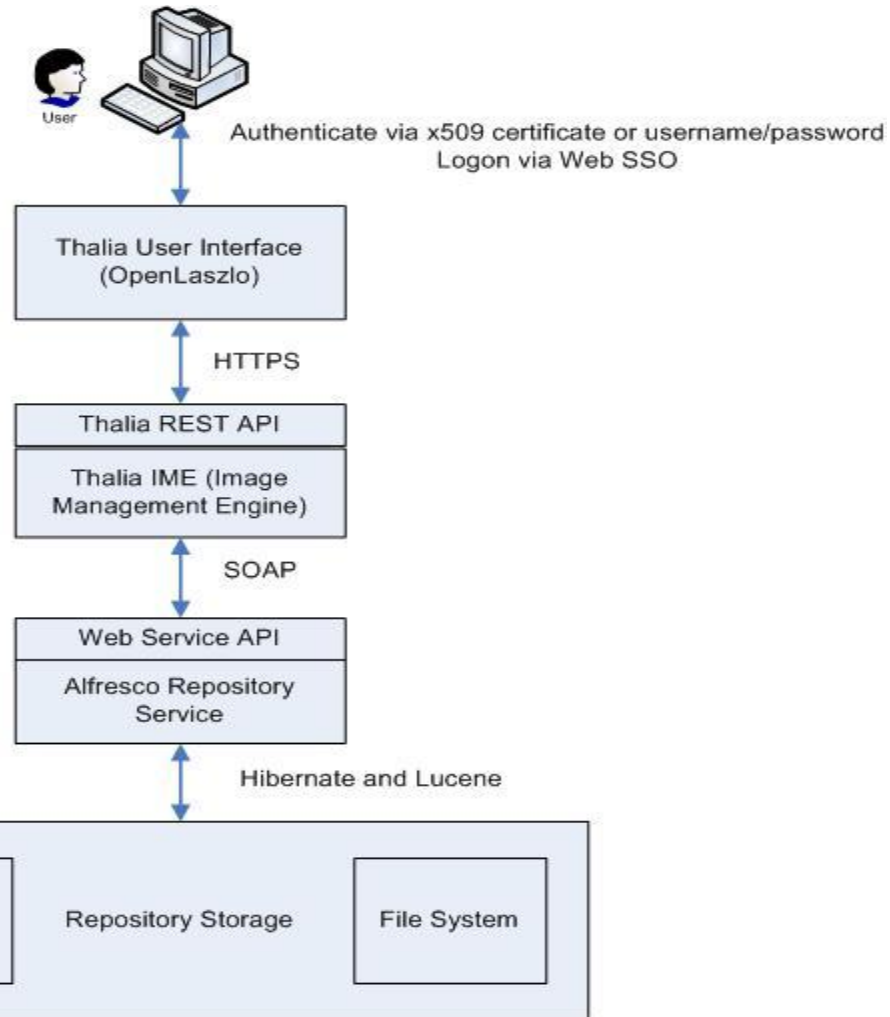
Qing Dong, IS&T

# Overview of Thalia

- Thalia is an enterprise image storage and management application.
    - Web based, centralized service
    - Multi-domain, multi-user
    - Secure, reliable, and highly available
  - It is Part of a long-term content management strategy by ISDA
    - Integration and collaboration with Stellar and Metamedia
    - Use Alfresco as central repository
    - Adoption of Dublin Core Metadata Element Set, an interoperable online metadata standard.
    - Specially designed for departmental use: collections, slideshows, tagging.
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# 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.
- Quick demo of the REST API

# 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
    - Use 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.isda-thalia2.mit.edu>)
- Nov 2007. Release 1.0 (full release)
- Spring 2008. Release 2.0 (code name Codfish).

# Questions & Comments

- Contact [thalia-team@mit.edu](mailto:thalia-team@mit.edu)