EDexchange

A Web Services Network
for Educational Data Exchange

Common Data Services (CDS)
Task Force - May, 2014
# CDS Task Force

## 44 Individuals from 32 Organizations

<table>
<thead>
<tr>
<th>Organization</th>
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<tbody>
<tr>
<td>AAMC</td>
<td>ConnectEDU</td>
<td>Phoenix</td>
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<td>AACRAO</td>
<td>Credentials Solutions</td>
<td>SFSU</td>
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<td>AcademyOne</td>
<td>ED.Gov</td>
<td>SIF Association</td>
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<td>ACT</td>
<td>FCMAT</td>
<td>Student Clearinghouse</td>
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<td>ASA</td>
<td>Georgetown Univ</td>
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<td>BCCampus</td>
<td>OCAS</td>
<td>Uleth</td>
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<td>Brigham Young University</td>
<td>Oracle</td>
<td>Usafunds</td>
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<td>Calif Community Colleges</td>
<td>OUAC</td>
<td>USC</td>
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<td>California State University</td>
<td>Parchment</td>
<td>UT-Austin</td>
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<td>Choice Solutions, Inc.</td>
<td>Pearson</td>
<td>Xap</td>
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<td>CommonApp</td>
<td>PESC</td>
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EDexchange

A web services network to directly exchange educational data

Eliminate

• Single point of failure
• Third party storage of PII data (security)

Facilitate High-Speed Transmission
EDexchange

Goals

Payload Agnostic
Security
Redundancy
“Open Source” Web Services

Challenges to be Addressed

Business
Technical
Funding
EDexchange Network
EDconnect Roadmap

- Payment Processing
- Registry Servers (point to point network)
- Open Source Web Services (direct connect, promotes standard)
- PESC Web Service Standard (need to connect between networks)

Organizational - Governance Complexity
Activity
Activity

Biweekly meetings with steady progress

Functional Specifications are complete

Network Server – member transaction server

Directory Server – master for organization directory and delivery options

XML Functionality – Request/Response

EDexchange Envelope
Organizations
Delivery Options
Transaction History
Activity

**Development Environment is Selected**

- **Language** – Java
- **Framework** – Apache CXF Web Services; Spring
- **Deployment target** – Tomcat
- **Security** – Spring
- **Persistence layer** – DataNucleus or Hibernate
- **Database schema changes** – Liquibase
- **Build system** – Maven
- **Database** – MySQL
- **Development Environment** – Eclipse (preference) or IntellinJ
- **Source Control**
  - GitHub Issue Tracking
  - Documentation – Wiki
# Activity

<table>
<thead>
<tr>
<th>Application</th>
<th>Description</th>
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<tbody>
<tr>
<td>Sakai</td>
<td>Learning Management System</td>
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<tr>
<td>uPortal</td>
<td>Enterprise Portal</td>
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<tr>
<td>uMobile</td>
<td>A framework for innovative mobile solutions</td>
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<tr>
<td>CAS</td>
<td>Single sign-on to multiple online resources</td>
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<td>Bedework</td>
<td>Robust calendaring</td>
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<td>Apereo OAE</td>
<td>Online communication and collaboration</td>
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<td>SSP</td>
<td>Student success and retention</td>
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<tr>
<td>EDExchange</td>
<td>Data Transfer Web Services Network</td>
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CDS Workgroup Session

Orientation

Discussion
- Open Source Development
- Funding & Resources
- Project Plan
- Hosting & Maintenance
- Business & Organization

Next Steps
- Open Source Development