October 4, 2012

Dedra Chamberlin, Celeste Copeland, Keith Hazelton

CIFER and Friends
Thursday, Oct. 4, 10:30 – 11:45 am
Philadelphia North
The UCB/UCSF Context

Expensive vendor products that don’t play well or scale + Legacy systems that are hard to support or will go away + $$$$ Cash for one-time improvements (not ongoing)

Desire to Outsource and Reduce Ongoing Ops Cost + Non-stop demand to integrate new services
Buy a Vendor IAM Product
Build New Home-Grown Solutions
Build/Support Higher Ed Community Solutions
CIFER
UCB/UCSF
NextGen IAM
Key Identity and Access Management Components

Systems of Record

- HR
- Student System
- Guests/Affiliates
- Alumni
- ...
Key Identity and Access Management Components

Systems of Record
- HR
- Student System
- Guests/Affiliates
- Alumni
- ... [Additional systems not shown]

Provisioning/Integration
Possible options:
- REST
- SOAP
- SCIM
- OpenICF
- Camel
- Batch
Key Identity and Access Management Components

Systems of Record
- HR
- Student System
- Guests/Affiliates
- Alumni
- ...

Provisioning/Integration
- Possible options:
  - REST
  - SOAP
  - SCIM
  - OpenICF
  - Camel Batch

Identity Registry
- Identity Match Engine
- Admin UI
- Identity Registry
- Admin/Self-Service UI

Digital Identity
- Credential Mgmt. UI
- Credential Management: Password Sync

Provisioning/Integration
- Connectors Batch Web Services
- Credential Store (Kerberos/AD/LDAP)
Key Identity and Access Management Components

- Systems of Record (HR, Student System, Guests/Affiliates, Alumni)
- Provisioning/Integration
- Identity Registry: Identity Match Engine, Admin UI, Identity Registry, Admin/Self-Service UI
- Digital Identity: Credential Mngt. UI, Credential Management: Password Sync
- Provisioning/Integration: Connectors, Batch, Web Services
- Web SSO: Credential Store (Kerberos/AD/LDAP), GAS, Shib, Other SSO
Key Identity and Access Management Components

Systems of Record
- HR
- Student System
- Guests/ Affiliates
- Alumni
- ... (Possible options: REST, SOAP, SCIM, OpenICF, Camel, Batch)

Provisioning/ Integration
- Identity Match Engine
- Admin UI
- Identity Registry
- Admin/Self-Service UI

Identity Registry
- Identity Match Engine
- Admin UI
- Identity Registry
- Admin/Self-Service UI

Digital Identity
- Credential Mgmt. UI
- Credential Management: Password Sync

Campus Directory
- Admin/Self-Service UI
- Directory

Provisioning/ Integration
- Connectors
- Batch
- Web Services
- Credential Store (Kerberos/ AD/LDAP)

Web SSO
- CAS
- Shib
- Other SSO

External Services
- Google Apps
- ServiceNow
- Box
- LMS
- Wiki
- Travel
- ...
Identity Console

Admin UI
- Lookup
- Fuzzy Match Resolution

Admin/Self-Service UI
- Lookup
- Update profile info
- Admin disable

Credential Mngt. UI
- Admin and Self-Service
- Activate Account
- Set reset passphrase
- Security Questions

Self-Service UI
- Lookup
- Update profile info

Access Request/Approval UI
- Delegated admin
- Role/perm assignment
- Notification mgmnt
- Approval(s)

Group Management UI
- Delegated admin
- Manage groups
- Create groups

CIFER
- ID Match Engine

CIFER
- Open Registry

ForgeRock OpenIdM (or directly to LDAP, AD)

Campus Directory
- LDAP

Access Request/Approval Workflow Engine (Activiti)

Grouper

Provisioning Engine (ForgeRock OpenIdM/ICF) or Grouper + PSP
## Financial Comparison UC Berkeley - DRAFT

<table>
<thead>
<tr>
<th>Cost Item</th>
<th>ORACLE</th>
<th>UCB/UCSF Proposed NextGen</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Implementation (base service)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Software license conversion</td>
<td>$200,000</td>
<td>$0</td>
<td>One-time</td>
</tr>
<tr>
<td>Connector license</td>
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<td>One-time</td>
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<tr>
<td>Consultant Labor</td>
<td>$800,000</td>
<td>$400,000</td>
<td>One-time</td>
</tr>
<tr>
<td>Internal Labor</td>
<td>$800,000</td>
<td>$800,000</td>
<td>One-time</td>
</tr>
<tr>
<td></td>
<td><strong>$2,007,000</strong></td>
<td><strong>$1,200,000</strong></td>
<td>Total One-time implementation</td>
</tr>
<tr>
<td>Ongoing Software License/Support Costs</td>
<td>$40,000</td>
<td>$40,000</td>
<td>Ongoing</td>
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<tr>
<td>Infrastructure</td>
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<tr>
<td>RHEL VMs</td>
<td>$3,786</td>
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<td>Ongoing</td>
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<tr>
<td>Websphere licenses</td>
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<td>Ongoing</td>
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<tr>
<td>DB Services</td>
<td>$4,200</td>
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<td>Ongoing</td>
</tr>
<tr>
<td></td>
<td><strong>$8,886</strong></td>
<td><strong>$7,986</strong></td>
<td>Total Ongoing</td>
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<tr>
<td>Per Integration Cost (Medium Complexity)</td>
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</tr>
<tr>
<td>Consultant Labor</td>
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<td>One-time</td>
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<tr>
<td>Internal Central IT/PM/BA Labor</td>
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<td>Departmental IT Labor</td>
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<td>One-time</td>
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<tr>
<td></td>
<td><strong>$54,000</strong></td>
<td><strong>$24,000</strong></td>
<td>Total per integration</td>
</tr>
</tbody>
</table>
CIFER Registry Workstream

- What have we done?
- What are we going to do?
- How can campuses get involved?

See: https://spaces.internet2.edu/x/BJ2KAQ
CIFER and Friends

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CIFER web site- http://ciferproject.org
CIFER team wiki pages -https://spaces.internet2.edu/display/cifer/Home