IAM Online

Governance of Identity and Access Management at Institutions of Higher Education
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Please note: you will not hear any audio until the session begins
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Data Governance

- Data Governance brings together cross-functional teams to make interdependent rules or to resolve issues or to provide services to data stakeholders. These cross-functional teams - Data Stewards and/or Data Governors - generally come from the Business side of operations. They set policy that IT and Data groups will follow as they establish their architectures, implement their own best practices, and address requirements. Data Governance can be considered the overall process of making this work.

  — Data Governance Institute

When to use formal Data Governance

When one of four situations occur:

- **The organization gets so large** that traditional management isn't able to address data-related cross-functional activities.
- **The organization's data systems get so complicated** that traditional management isn't able to address data-related cross-functional activities.
- The organization's Data Architects, SOA teams, or other horizontally-focused groups need the support of a cross-functional program that takes an enterprise (rather than siloed) view of data concerns and choices.
- **Regulation**, compliance, or contractual requirements call for formal Data Governance.

http://www.datagovernance.com/adg_data_governance_basics.html
USC IAM Governance

• Regularly Scheduled Governance Committees
  – Facilitated by Office of Organization Improvement Services
  – Include Data Stewards
  – Include Business process owners/experts
  – Include Technical subject matter experts

• Focused on services provided by the IAM system:
  – Web Single Sign On
  – Online White Pages / Email address lookup
  – Identity Attribute Release
  – Group Services
  – Provisioning identity data into directories, databases, and cloud services
Diagram Showing Internal Divisions of IAM Cloud
- Technical Committee that meets every 3 weeks
- Focuses on Identity Related Operational Issues
  - Merges and Unmerges
  - Data entry policies
- Attendees include representatives from Systems of Record and IAM team
GDS Executive Committee

- Management committee that meets every 2 weeks
- Focuses on technical and staffing issues affecting direction and prioritizations
- Attendees include management representatives from Systems of Record and IAM team
Identity and Access Management Steering Committee

- Management Committee that meets every 3 weeks
- Focuses on Policy regarding data acquisition and release, integration, and communication
- Attendees include senior management representatives from academic schools, administrative departments, Information Security/Compliance, General Counsel, IAM manager
Attribute Access Request Process

• Formal process for requesting data release from IAM services
• AAR meeting with project sponsor/manager and IT IAM team to document requirements
• Presentation by sponsor/manager to IAM Steering Committee for review and approval
• Review and approval by data stewards
• Process documented at USC IAM site
  <http://www.usc.edu/iam>
Case for Governance

• Fundamentally, IAM is not a purely technical problem.
  – Many issues at OHIO are not technology related, instead, must be solved through business process.
  – There is not a common definition for many roles and attributes at the University. IT cannot define them alone.
OHIO IAM Governance

• Regularly Scheduled Governance Committees
  – Facilitated by Office of Information Technology – Security
  – Chaired by CIO
• Two Main Groups
  • Identity Management Governance Group
  • University Records Committee
# Identity Management

## Members Include:

- Includes Identity Data Stewards
- Include Business process owners/experts
- Include Technical subject matter experts

## Focused on IAM Services

- Web Single Sign On
- Identity Attribute Release
- Role Based Access Control
- Provisioning identity data into directories, databases, and cloud services
- Provisioning Access to various resources based on attributes, groups and workflows
# University Records Committee

<table>
<thead>
<tr>
<th>Members Include</th>
<th>Focused on Data Handling at University</th>
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<tbody>
<tr>
<td>• University Data Stewards</td>
<td></td>
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<tr>
<td>• Registrar</td>
<td></td>
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<tr>
<td>• Controller</td>
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<td>• Archivist</td>
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<td>• Advancement</td>
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<td>• Etc.</td>
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<tr>
<td>• Attribute Release</td>
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<td>• Data Classification</td>
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<td>• Data Retention</td>
<td></td>
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<td>• Information Lifecycle</td>
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### Other Teams

<table>
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<tr>
<th>Team</th>
<th>Responsibilities</th>
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<td><strong>Campus Community</strong></td>
<td>• This group is responsible for the Student System, and often provides customer</td>
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<td></td>
<td>demand to the IAM Functional Team</td>
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<tr>
<td><strong>IAM Functional Team</strong></td>
<td>• Part of the Information Security Office – works with the University to determine</td>
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<td>business process for role and access provisioning, and attribute flow</td>
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<tr>
<td><strong>IAM Technical Team</strong></td>
<td>• Part of Systems and Operations – works with the IAM Functional Team to implement</td>
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<td>data flow and integrations with other University systems</td>
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IAM Teams
Why we have IAM Governance at UW-Madison

- IAM is consequential: It is about people, their information and what they can and cannot do

- System developers have a dilemma
  - They shouldn’t be expected to set access rules, or settle IAM practice and P(p)olicy issues
  - They have become accustomed to doing so

- Big projects force the issue:
  - ID Card consolidation
  - Shared Authentication, WebSSO services, federation, …
What is IAM Governance at UW-Madison

• The venerable Identity Mgmt Leadership Group (IMLG, 2004 – present)
  • Chartered by Provost & Vice Chancellor for Administration
  • Chaired by HR Director & Registrar, CIO is ex officio
  • Forms work groups, reviews and adopts WG recommendations

• The UW System Identity, Authentication and Authorization Group (IAA)
  • To govern access to system-wide person information repository
What is IAM Governance at UW-Madison

- Wisconsin Federation (WIfed)
  - Initially for UW System Shibboleth-based federated identity deployment, access to common systems (HR, LMS)
  - Intent, extend scope to WiscNet, K-12, Tech colleges, private colleges, state library system, state agencies(?), local government,…
  - Typical evolution: the federation technology & services are in place BEFORE the governance is defined and launched
What is IAM Governance at UW-Madison

- IAM Visioning Group (IVG)
  - Not governance per se, but mode of shared decision-making, priority setting

- Committee on Institutional Cooperation (CIC = Big 10 plus U Chicago) IAM Group

- InCommon Federation
  - Silver
  - Attribute release
Who are the players & participants? What are their roles?

- Top body, IMLG, is Deans and Directors
  - Chronic low-grade identity crisis; inevitable, healthy?
  - The buck-stop spot; The deciders

- Ad hoc IMLG working groups
  - Domain experts, data stewards, middleware technologists, application/resource owners,…

- Ultimately, governance bodies matter only if top leadership recognizes their jurisdiction and their authority and supports their efforts
Panel Discussion
What is the appropriate role for IT versus other campus stakeholders?
How does identity governance relate to IT governance, information security governance, or data governance?
What is the organizational and operational relationship between identity management and information security at your institution?
What are you doing at the system or state level?
What impact does "federation" have on governance discussions at the institutional level?
What are your ongoing challenges for identity governance?
Policy Challenges and Solutions
What role does your governance body play in addressing privacy considerations such as data access?
What other policy issues should your governance body address?
What policy decisions or guidance has your governance body produced?
Upcoming Event

Shibboleth Workshop Series: Installation of IdP and SP
November 7-8, 2011 – California State University Chancellor’s Office, Long Beach, Calif. (open to anyone)
www.incommon.org/educate/shibboleth
Evaluation
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