

Taking a Fresh Look at IAM

IAM Online – October 11, 2017

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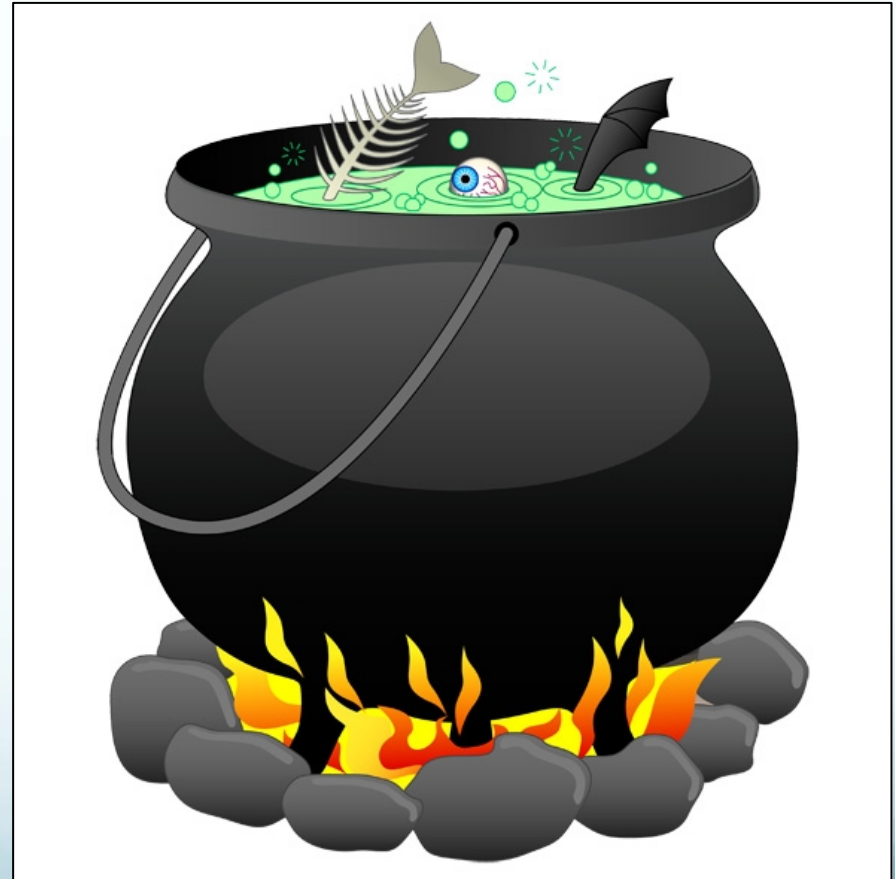
Tom Dugas

Director of Information Security and New Initiatives at
Duquesne University

Moderator: Tom Barton, University of Chicago and Internet2

Recipe for an effective IAM program

- What goes into it?
- How will it be served?
- To who?
- With what?
- For what?
- How many witches do you need?
- Is it magic??



You are the third witch

- Sharon and Tom are in-flight on their campuses
- So they have fresh perspectives
- Many of you are in the same situation, or have been or soon will be
- So ask questions and make suggestions!

Agenda

- Drivers for change
- A bit on our current deployment strategy
- The essential elements of a fresh solution
- Security
- Success factors/best practices (to date)

Survey: Do you feel that you have a good IAM solution?

- Yes
- No
- Maybe

Drivers for Change

At Binghamton University, two big drivers . . .

- Improve and optimize business processes
 - Especially account provisioning and de-provisioning
- Create a more secure work environment

At Duquesne University

- Need to tie disparate systems and services together
- Account provisioning and de-provisioning
- Automate manual access management practices
- Audits, Audits, Audits . . .

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Survey: How many IAM Tools do you support?

- One
- Two
- Three
- Four or More

A bit of our current processes

At Binghamton University

- Definition of identity roles
- Establishment of technical and business requirements for system
- RFP closed & selecting potential business partners for on-site interviews

...all in conjunction with institutional stakeholders

At Duquesne University

- Definition of roles
- Services and entitlements
- IAM roadmap development and iterative changes

Essential elements of a fresh solution

At Binghamton University

- Creation and management of identities, resolution of duplicate identities, the embracement of past identities, account provisioning/de-provisioning and claiming, assignment of roles, cleanup capacity, audit capability, authentication and authorization integration, third-party system integration, functional agnosticism, compliant, robust, etc.

At Duquesne University...

- Definition of roles and identities, identity life cycle management, account provisioning/de-provisioning, access management (provisioning/de-provisioning), audit capability, authentication and authorization integration, third-party system integration, compliance, and ease of administration.

Survey: Which IAM Tool(s) do you use?

- Oracle Identity Manager
- Microsoft Forefront Identity Manager (FIM)
- Aegis
- Fischer
- Ping Identity
- One Identity
- Internet2 TIER
- SailPoint
- ForgeRock
- RapidIdentity
- None
- Other

Security

At Binghamton University

- Following a 5 year roadmap established via security assessment
- IAM should follow best practices for data encryption, personnel management, and data privacy
- Establishment of Data Governance committee and policies

At Duquesne University

- Following HEISC Information Security Maturity Assessment by Internal Audit, established the need for strategic roadmap for IAM
- IAM should follow best practices for data encryption, network transmission security, role based access control, and data privacy via our data governance requirements.

Success Factors/Best Practices

At Binghamton University

- Responding to spilled milk
- Responding to stakeholders
- Preparation and project management

At Duquesne University

- Remediate/Update the low hanging fruit
- Develop the strategy and roadmap
- Get campus involved! Not an IT project, a University Project
- Stage in implementation without overwhelming limited staff

Questions/Comments?

IAM Online Evaluation

<https://www.surveymonkey.com/r/IAMOnline-Oct2017>

InCommon Shibboleth Installation Workshop

November 7-8, 2017

National Institute of Allergy and Infectious Diseases

Bethesda, Maryland

www.incommon.org/shibtraining