

## IDENTITY AND ACCESS MANAGEMENT

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### Project Information

**Project Team Leads:** Mike, Noel, Brandon Mills, Jordan O’Konek, Chris Pruess

**Project Manager:** Kris Halter

**TeamDynamix Project Number:** 241151

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### Project Overview

Leverage Identity and Access Management (IAM) solutions to provide more efficient and supportable campus services through consolidation, standardization, and application of best practices. Projects include identity life cycle management for electronic and physical identities, service access management, directory services, and ID Card and electronic door access automations.

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### Project Purpose and Benefits to Campus

Analyze current identity and access management services and support structure in central and distributed units. Create a future state model that achieves cost savings through greater efficiency. Benefits to campus:

1. Cost savings through greater efficiency
  2. Better service delivery to campus through evolved identity management
  3. Use of single credentials across departments supports simpler, more cohesive, service integration for customer access.
  4. Reduced implementation time and effort for services using enterprise credentials
  5. Consolidation of services and associated overhead
  6. Greater security in applications and electronic door access rights management
  7. Increased adoption of standards - technologies, processes, business rules – leads to more consistent, supportable service deployments.
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### Project Scope Statement

#### *In Scope*

1. Consolidation of the UIOWA shared campus forest domain infrastructure
2. Migration of external campus forests into the Iowa domain
3. Simplification of Iowa domain credential management
4. Evaluation of existing central and collegiate IAM operations and use of vended IAM systems

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## Project Charter



5. Enhancement and extension of enterprise-level provisioning/deprovisioning of services
6. Enhancement and extension of the Campus IowaOne ID Card system infrastructure
7. Enhancement and extension of Electronic Door Access Control Systems automation and data management

### ***Out of Scope:***

1. State Hygienic Lab Active Directory forest and electronic door access management for compliance reasons.
2. Management of objects in the Healthcare domain.
3. Facilities Management Utilities network

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### **High-Level Requirements**

A successful project requires:

1. Consolidation of the UIOWA shared campus forest domain infrastructure, resulting in retirement of the Dentistry and Public Health domains.
2. Evaluation of existing central and collegiate IAM operations and use of vended IAM systems
  - a. Campus survey to identify any additional opportunities for forest consolidations
  - b. Migration of 3 College of Engineering external forests into the UIOWA forest Iowa domain
3. Operational streamlining of Iowa domain credential management
  - a. Extension of IAM to support UNIX systems including Active directory, administrative tools, and processes.
  - b. Vendor support for Windows 2012 R2 for Microsoft Password Change Notification Service (PCNS) is required for AD-Oracle password synchronization.
  - c. Flattening of ID management to reduce administrator effort
4. Enhancement and extension of enterprise-level provisioning/deprovisioning of services
  - a. Completion of IAM infrastructure refresh
  - b. Integration of enterprise login tools with the federation toolset
  - c. Creation of integrated set of self-service IdM services
  - d. Development of solution for external identities
5. Enhancement and extension of the Campus IowaOne ID Card system infrastructure
  - a. Development of a photo upload self-service system
  - b. Enablement of additional UIHC card types for door access service.
6. Enhancement and extension of Electronic Door Access Control Systems
  - a. Upgrade access control infrastructure in non-UIHC buildings to leverage single ID card technology.
  - b. Expansion of automated role-based electronic door access management

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### High-Level Risks

1. Change in DNA workgroup Leadership.
2. Existing DNA staff capacity may be insufficient to simultaneously meet needs of this project and needs of other OneIT project IAM dependencies.
3. Campus acceptance and adoption of new and changing solutions.
4. Significant labor needed to reconfigure existing distributed services to perform in a central environment.
5. Limited flexibility to meet the specific needs of each department.
6. New technology learning curve.
7. New technology feature and functionality must meet expectations and needs.
8. Shared infrastructure across HCIS and Iowa.
9. External factors overriding IAM priorities and requirements.
10. Complexity of supporting two electronic door access systems. Millennium is limited in functionality, compared to AMAG.

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### Assumptions and Constraints

1. Email and file space related provisioning /deprovisioning in December document will be incorporated into the O365 project.
2. UIHC and College of Medicine will be affected by the actions of the IAM project.
3. Appropriate staffing solutions must be in place, such as additional hiring and temporary/permanent reassignment of selected campus IT staff to DNA team.
4. Will require additional staff support from ES Ecommunication, EI-SST, and others
5. Campus users will complete migrations to new solutions, allowing shutdown of legacy, duplicative solutions.
6. Someone (e.g., CIO/ISPO/Regents wide) will write an enterprise security policy.
  - a. Campus applications will be required to use an enterprise authentication credential (HawkID or HealthcareID) unless an exception is granted.
  - b. Cloud service providers should be members of InCommon.

### Project Governance

The OneIT Steering Committee is ultimately responsible for overseeing and certifying the viability, support, and overall success of the IAM project at the Department and Organization levels. The OneIT Steering Committee has the following responsibilities:

- Champion the IAM project.
- Approve the IAM Project Charter.
- Provide adequate staffing and resources.
- Provide high-level oversight, and support.
- Review and approve major scope changes to the IAM project.

The OneIT Program Office

- Champion the IAM project.
- Provide escalation resolutions.
- Provide oversight of requirements, and support.
- Provide clarification of issues, questions, and concerns.

The IAM Advisory Committee

- Provide feedback and input.
- Representation of various viewpoints and departments.
- Validate draft procedures and policies.
- Provide clarification of issues, questions, and concerns.
- Strategic planning and prioritization
- Campus communication and outreach

### Anticipated Cost Savings Categories

#### Efficiency

- Consolidation of AD infrastructure, with reduced hardware requirements
- Increased automation of HawkID management
- Increased automation of provisioning/deprovisioning
- Increased automation of door access control

### Sub Projects

1. Migrate UIOWA forest resource domain functionality to Iowa domain
  - a. Consolidation of the UIOWA shared campus forest domain infrastructure (Dentistry, Public Health)
2. Evaluate existing central and collegiate IAM operations and use of vended IAM systems
  - a. Complete campus external forest survey
  - b. Migrate 3 College of Engineering external forests into the Iowa domain
3. Streamline operational support for Iowa domain credential management
  - a. Extend IAM to support UNIX systems including Active directory, administrative tools and processes.
  - b. Implement Active Directory-Oracle password synchronization.
  - c. Flatten ID management to reduce administrator effort
4. Enhance and extend enterprise-level provisioning/deprovisioning of services
  - a. Complete IAM infrastructure refresh
  - b. Explore integration of HawkID login tools with federation toolset
  - c. Create an integrated set of self-service Identity Management services
  - d. Develop a solution for external identities
5. Enhance and extend the Campus IowaOne ID Card system
  - a. Develop an ID photo upload system.
  - b. Enable use of additional UIHC card types for door access service
6. Enhance and extend Electronic Door Access Control Systems
  - a. Upgrade technology to support usage of a single card across campus.
  - b. Explore management of legacy door locking infrastructure with current campus standard.
7. Expand role-based automation of AMAG electronic door access control of various systems.
  - a. Expand service definition
  - b. Extend automation of role-based access control in AMAG
  - c. Extend automation of role-based access control in Millennium

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## Project Charter



### Preliminary Milestones

Milestone	Target Date
Charter Review	5/1/2015
Advisory Committee and Project Team Finalized	6/8/2015
Project Plan Finalized	7/3/2015
Project Plan Approval	7/10/2015
<b>SP1:Migrate UIOWA forest resource domain functionality to Iowa domain</b>	
a) Consolidation of the UIOWA shared campus forest domain infrastructure (Dentistry, Public Health)	6/30/2016
<b>SP2:Evaluate existing central and collegiate IAM operations and use of vended IAM systems</b>	
a) Complete campus external forest survey	12/31/2015
b) Migrate College of Engineering external forests into the Iowa domain	12/31/2017
<b>SP3:Streamline operational support for Iowa domain credential management</b>	
a) Extend IAM to support UNIX systems including Active directory, administrative tools and processes.	9/30/2015
b) Implement Active Directory-Oracle password synchronization.	12/31/2016
c) Flatten ID management to reduce administrator effort	12/31/2016
<b>SP4:Enhance and extend enterprise-level provisioning/deprovisioning of services</b>	
a) Complete IAM infrastructure refresh	9/30/2015
b) Explore integration of HawkID login tools with federation toolset	6/30/2016
c) Create an integrated set of self-service Identity Management services	12/31/2016
d) Develop a solution for external identities	12/31/2016
<b>SP5:Enhance and extend the Campus IowaOne ID Card system</b>	
a) Develop an ID photo upload system.	6/30/2015
b) Enable use of additional UIHC card types for door access service	12/31/2015
<b>SP6:Enhance and extend Electronic Door Access Control Systems</b>	
a) Upgrade technology to support usage of a single card across campus.	1/30/2015
b) Explore management of legacy door locking infrastructure with current campus standard.	6/30/2017
<b>SP7: Expand role-based automation of AMAG electronic door access control of various systems.</b>	
a) Expand service definition	9/30/2015
b) Extend automation of role-based access control in AMAG	9/30/2015
c) Extend automation of role-based access control in Millennium	9/30/2015

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## Project Charter



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### Project Team

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- Mike Noel, Team Leader
- Chris Pruess, Team Leader
- Brandon Mills, Team Leader
- Jordan O’Konek, Team Leader
- Kris Halter, Project Manager

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### Stakeholders:

Refer to Stakeholder Registry

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### Potential Implementation Cost:

TBD during SubProject Planning

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### Key Dates

Target Start Date:	05/1/2015
Target Go-live Date:	06/30/2017
Charter Ratification Date	06/01/2015