

PLAN

REQUIREMENTS

SOLUTION
ANALYSIS

DESIGN

BUILD

TEST

TRAIN/DEPLOY

MAINTENANCE

Project Charter

IAM Technology Selection

Executive Summary

The IAM Technology Selection project will document campus requirements for IAM functionality and select and procure one or more technology solutions to satisfy those requirements. The project will also develop an implementation plan for those solutions and procure expert vendor assistance for the solution implementation.

Business Need and Background

Identity and Access Management refers to the systems and processes that enable students, faculty, staff, and other groups (like alumni) to gain access to campus systems they should have access to while preventing them from accessing the systems they should not. At a high level, IAM includes creating EIDs, managing the access an EID should have, and the removing access when it is no longer needed. The university's current IAM systems are aging and no longer meet the needs of campus. For example, they:

- Do not easily integrate with new cloud-based services;
- Do not provide easy-to-use services for groups like alumni and applicants; and
- Do not allow for efficient management of access across our systems.

The IAM Strategy project, completed in spring 2013, developed a roadmap for improving campus IAM services. The IAM Roadmap (see Appendix A) is organized into three phases:

- **Phase 1 (Do Now):** Establish a governance structure for the IAM program and select IAM technology solutions for meeting campus needs.
- **Phase 2 (Do Next):** Address critical functionality gaps identified by campus stakeholders during the roadmap development process, such as providing more flexible authentication options, adding enterprise group and role management services, and providing the ability to answer the question, "Who has access to what systems on campus?"
- **Phase 3 (Do Later):** Complete the implementation and build-out of the new IAM infrastructure and services.

Project Description and Scope

This project is part of Phase 1 of the IAM Roadmap and will address the selection of a set of enabling IAM technologies for campus in the following areas:

- **Identity Administration & Provisioning** – Flexible and reliable tools for identity and account creation, update, and removal, including ESB- and connector-based provisioning integration with downstream systems (e.g., Active Directory, uTexas Enterprise Directory). Both person and non-person identities (e.g., resources, services/applications, devices) are included.
- **Group & Role Management** – Federated management of static and dynamic groups and roles.
- **Authorization Workflows and Repository** – Access request/approval and renewal/recertification workflows and tracking, plus a repository to store authorization and privilege data extracted from key campus systems to provide a single source for knowing “who has access to what” across the university.
- **Authentication** – Enhancements to the (OpenAM-based) UTLogin authentication service to enable lightweight (and “bring your own identity”) authentication for low-risk transactions and strong multi-factor authentication for high-risk activities, as well as federated authentication.
- **Logging & Auditing** – Collection and storage of transactions across the above IAM functional areas, and the mechanisms to analyze and report on those transactions.

The project scope includes the following activities:

- Document applicable requirements and use cases
- Research solutions and develop a reference architecture for the IAM enabling technologies
- Select and procure technology solution(s)
- Select integration support vendor
- Develop implementation plan and revise IAM Roadmap (if needed)

The project scope does *not* include the actual implementation of the selected technology solutions. Technology solution implementation will be managed as a separate set of follow-on projects, as described in the IAM Roadmap.

Project Goals

The project’s goals are to:

- Select a set of enabling technologies to support the IAM functional areas described in the project scope.
- Select a vendor to provide implementation and integration support.
- Develop a practical and achievable plan for implementing the selected solutions.

Project Schedule

This project is scheduled to run from July 2013 to March 2014.

Phase	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
Plan	■	■	■	■	■				
Requirements		■	■	■	■	■	■	■	■
Solution Selection					■	■	■	■	■
Close									■

Project Management and Governance

The IAM Committee will provide steering oversight for this project. The Architecture & Infrastructure Committee will also be kept informed of project status.

Role	Names
Executive Sponsor(s)	James Lewis, Chair, AIC Brad Englert, CIO
Customer Steering Committee	IAM Committee
Project Manager	TBD
Technical Lead	TBD
Project Team	TBD
Information Security Officer	Cam Beasley (or designee)
Systems Point of Contact	Greg Baker (or designee)
Networking Point of Contact	Jason Wang (or designee)
User Services Point of Contact	TBD

Project Facilities and Resources

Participation from IAM Committee members and other campus stakeholders will be required during requirements development, solution selection, and integration vendor selection. IAM Team resources will be augmented with contract staff and expert vendor assistance during the project.

Impact Analysis

When the IAM technology solutions selected as part of this project are ultimately implemented, most administrative areas and many academic areas on campus will be affected. The IAM Committee, which includes representatives from both administrative and academic units, will review the anticipated impacts on campus areas are part of the solution selection process.

Assumptions & Constraints

Authentication

The authentication solution(s) selected as part of this project will integrate with the existing UTLogin system (based on OpenAM). UTLogin will not be replaced as part of this project and it is assumed that the UTLogin Transition (and CWA/Fat Cookie retirement) project will proceed as planned.

Provisioning

The identity administration and provisioning solution(s) that are addressed in this project are distinct from the IT service provisioning orchestration solution that the ITS Service Provisioning (SP) team will be selecting this fall. This project will coordinate closely with the SP team to ensure that the provisioning solutions selected can be integrated smoothly and that functionality is not duplicated.

Directory Services

This project does not include the replacement of the university’s central directory services (Austin Active Directory, uTexas Enterprise Directory, and the public UT Directory). However, the implementation of additional or enhanced directory services functionality may be required to implement other parts of the project’s scope (e.g., authorization repository).

ID Card Services

The replacement of the university’s current ID card management system is not in scope for this project.

Risks

Project risks include:

- It may be difficult to develop a complete set of requirements at an appropriate level of detail in a reasonable time period.
- Emerging IAM requirements from the ERP replacement (ASMP), Shared Services implementation, and the new Open Systems technical environment projects may require rework of the solution selection process.
- The project timeline may be extended if a trial installation and hands-on evaluation of one or more technology solutions is required.
- Project resources with required skills may not be available or may be diverted to other projects or activities.

Revision History

Version	Date	Updater Name	Description
v1.0	8/14/2013		Initial draft completed

Appendix A: IAM Roadmap

