Project Charter

# Transition to Enterprise Authentication

## Executive Summary

The Identity and Access Management (IAM) team operates several centralized authentication services which protect more than 700 campus systems through a combination of Web Policy Agents (WPAs) installed on on-campus servers as well as SAML federation with on and off-campus systems. These services process more than 65 million authentication requests annually.

This project aims to consolidate authentication services into one service called Enterprise Authentication using Shibboleth to provide a single sign-on solution based on industry standard protocols that is cloud resilient, easy to integrate with, and stable.

## Business Need and Background

One goal of the IAM Strategic Roadmap is to deploy a consolidated authentication service that adopts standards-based web single sign-on and is cloud resilient. The University will benefit from this consolidated service in the form of reduced support and integration overhead. Currently, there are several authentication services, which cause disparate user experiences and mixed support needs. Lastly, the main authentication service, UTLogin, is at end of life and requires replacement.

## Project Description and Scope

The IAM team will transition all authentication customers to Enterprise Authentication. To prepare for this transition, a new instance of Shibboleth will be established to provide the latest benefits of the software to the university. Active Directory will serve as the directory backend. The transition will first focus on UTLogin v1 customers and, later, legacy Shibboleth customers. At the conclusion of the transition, the UTLogin and legacy Shibboleth services will be retired.

## Project Goals

The primary success criteria for Enterprise Authentication will be:

* **Goal 1: Deploy UTLogin v2** – Ensure customers who have complex UTLogin v1 WPA deployments have a fully vendor-supported environment, if needed.
* **Goal 2: Establish the Enterprise Authentication Service** – Ensure the new instance of Shibboleth is architected and deployed to meet customer and disaster recovery requirements using Active Directory as the directory backend.
* **Goal 3: Transition customers to Enterprise Authentication** – Complete the transition of all authentication customers to Enterprise Authentication.

## Project Schedule

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| --- | --- | --- |
| Phases | Planned Start | Planned Finish |
| Finalize Enterprise Authentication configuration | 5/6/2019 | 6/13/2019 |
| Complete Enterprise Authentication testing | 6/17/2019 | 8/9/2019 |
| Update and create Enterprise Authentication documentation (internal and external) | 5/6/2019 | 8/30/2019 |
| Plan transition of UTLogin v1 customers to Enterprise Authentication | 6/3/2019 | 10/7/2019 |
| Transition UTLogin v1 customers to Enterprise Authentication | 9/16/2019 | 12/18/2020 |
| Plan transition of legacy Shibboleth customers to Enterprise Authentication | 5/25/2020 | 8/14/2020 |
| Transition legacy Shibboleth customers to Enterprise Authentication | To be determined | To be determined |

## Project Management and Governance

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| --- | --- | --- |
| Role | Name(s)/Organization(s) | Responsibilities |
| Executive Sponsor(s) | Trice Humpert | Approve project planApprove project scope changes |
| Governance Oversite | IAM Committee | Review project progressReview and accept project deliverables |
| Project Manager(s) | Marta LangEmily Hurt | Create and manage project and transition plansTrack and report on project progressManage customer and stakeholder communications |
| Project Team | Mario Leal, Product OwnerOwen AllsoppVani AnappindiDoug BaileyGrady Bailey, Technical leadAudrey BarnesAlex BarthEvan FuhrLarry LibertyAaron Reiser  | Configure and test Shibboleth to establish Enterprise Authentication ServiceCreate technical design documentationTest authentication systemConfigure systemCreate technical design documentationCreate service support documentationProvide technical support for transitioning customersCreate customer support documentation |

## Impact Analysis

* All current UTLogin v1 WPA/JPA users will need to transition from current instances to Enterprise Authentication (preferable) or UTLogin v2 (if needed).
* All current UTLogin v1 SAML users will need to transition from current instances to Enterprise Authentication.
* All current legacy Shibboleth SAML users will need to transition from current instances to Enterprise Authentication.
* The ITS Service Desk will provide primary support for authentication-related questions during the transition and may experience an increase in support calls.

## Assumptions

* Enterprise Authentication can support the requirements.
* Resource availability.
* Limited customizations.
* Campus support for transition schedule.
* Campus support for assisting with technical work needed to transition WPAs, JPAs, or SAML integrations,.

## Constraints

* Enterprise Authentication will use the latest supported version of Shibboleth.

## Risks

* ITS Campus Solutions resource bottlenecks based on competing priorities or turnover.
* Campus resource bottlenecks based on availability and competing priorities.
* Reliance upon new hardware, supporting tools, etc.
* The need to coordinate with multiple groups within the university increases complexity of implementation and transition.

## Revision History

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| --- | --- | --- | --- |
| Version | Date | Updater Name | Description |
| V0.1 |  | Mario Leal | Initial draft completed |
| V0.2 |  | Marta Lang | Updates based to reflect technology direction change. |
| V0.3 | 06/12/2019 | Mario Leal | Updated and reviewed. |
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