

AUGUST 2024



IAM ROADMAP QUARTERLY REVIEW

The review of the IAM Roadmap for Q4, FY 2023-2024

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Key Roadmap Priorities

- Identity Governance & Administration (IGA):
Modernize tools, reduce technical debt
- Authentication: Continuous improvement
- Directory Services: Unify platforms
- Knowledge building: AWS technologies

IGA Initiatives

FY 2023-2024	Q3	Q4	FY 2024-2025 Q1
Initiative 1: Improve password security with new hash	<ul style="list-style-type: none"> ✓ Validate initiative purpose and priority. ✓ Begin analysis and determine approach for transition of TED & FI/ST mainframe authentication to new hash. 	<p><i>(On hold due to resource constraints.)</i></p>	<p><i>(On hold due to resource constraints.)</i></p>
Initiative 2: Reduce technical debt by modernizing tools (IGA Modernization Program)	<ul style="list-style-type: none"> ✓ Finalize Phase 2 designs. ✓ Continue configuration of TAP solution to meet Phase 2 requirements. ✓ Continue group build out for transitioning customers. ✓ Draft project schedule for cutover from SailPoint IdentityIQ to midPoint. 	<ul style="list-style-type: none"> <input type="checkbox"/> Complete configuration of TAP solution to meet Phase 2 requirements. <input type="checkbox"/> Complete group build out for transitioning customers. <input type="checkbox"/> Complete initial TAP solution testing of configurations for Phase 2. <input type="checkbox"/> Plan midPoint and Grouper upgrades and testing. 	<ul style="list-style-type: none"> <input type="checkbox"/> Revisit project schedule for cutover from SailPoint IdentityIQ to midPoint. <input type="checkbox"/> Plan and begin external communications about upcoming changes. <input type="checkbox"/> Complete midPoint and Grouper upgrades. <input type="checkbox"/> Complete regression testing for upgrades.
Initiative 3: Right size data retention with identity lifecycles	<ul style="list-style-type: none"> ✓ Complete external testing for the implementation of the Youth Protection Program affiliations. 	<ul style="list-style-type: none"> ✓ Monitor Youth Protection Program affiliations usage. 	<ul style="list-style-type: none"> <input type="checkbox"/> Monitor Youth Protection Program affiliations usage.

IGA Initiatives

FY 2024-2025	Q2	Q3	Q4 and beyond
Initiative 1: Improve password security with new hash	<input type="checkbox"/> Complete analysis and determine approach for transition of TED & FI/ST mainframe authentication to new hash.	<input type="checkbox"/> Begin transition of TED & FI/ST mainframe authentication to new hash.	<input type="checkbox"/> Complete transition of TED & FI/ST mainframe authentication to new hash. <input type="checkbox"/> Retire old hashes and purge hash history.
Initiative 2: Reduce technical debt by modernizing tools (IGA Modernization Program)	<input type="checkbox"/> Revisit and complete security, functional, and non-functional testing and remediate issues for Phase 2. <input type="checkbox"/> Complete testing with Workday and UT System teams. <input type="checkbox"/> Complete external communications about upcoming changes. <input type="checkbox"/> Plan and complete service planning for Enterprise Identity Manager (midPoint).	<input type="checkbox"/> Complete Phase 2 Go Live. <input type="checkbox"/> Monitor systems after transition – hyper care. <input type="checkbox"/> Retire SailPoint IdentityIQ service. <input type="checkbox"/> Define and finalize Phase 3 scope, charter, and project schedule.	<input type="checkbox"/> Complete Phase 3 requirements. <input type="checkbox"/> Complete Phase 3 design(s). <input type="checkbox"/> Complete configuration of TAP solution to meet Phase 3 requirements. <input type="checkbox"/> Complete security, functional, and non-functional testing and remediate issues for Phase 3. <input type="checkbox"/> Complete Phase 3 Go Live.
Initiative 3: Right size data retention with identity lifecycles	<i>(Additional work to be determined based on requests.)</i>	<i>(Additional work to be determined based on requests.)</i>	<i>(Additional work to be determined based on requests.)</i>

Authentication Initiatives

FY 2023-2024	Q3	Q4	FY 2024-2025 Q1
Initiative 1: Separate Guest and Enterprise SSO	<ul style="list-style-type: none"> ✓ Prepare Guest Authentication for early adopters. 	<ul style="list-style-type: none"> ✓ Complete set up Guest Authentication service. ✓ Onboard two early adopters. ✓ Maintain service in hyper care. 	<ul style="list-style-type: none"> <input type="checkbox"/> Onboard other early adopters. <input type="checkbox"/> Maintain service in hyper care. <input type="checkbox"/> Plan upgrade of core software (SimpleSAMLphp).
Initiative 2: Continuous improvement	<ul style="list-style-type: none"> ✓ Prepare to make OpenID Connect available. ✓ Continue cloud native refactor of authentication services. ✓ Onboarded OpenID Connect early adopters. 	<ul style="list-style-type: none"> ✓ Plan cloud native component of Enterprise Authentication for updated DR/BC. ✓ Plan upgrade of Enterprise Authentication core software (Shibboleth v5). ✓ Maintain OpenID Connect functionality for early adopters. 	<ul style="list-style-type: none"> <input type="checkbox"/> Complete implementation of cloud native component of Enterprise Authentication. <input type="checkbox"/> Complete upgrade of Enterprise Authentication core software. <input type="checkbox"/> Maintain OpenID Connect functionality for early adopters.
Initiative 3: Multi-factor authentication enhancements	<p><i>(Reduced scope due to resource constraints.)</i></p>	<ul style="list-style-type: none"> ✓ Research impact of Duo expansion to Retirees to meet state mandate. ✓ Plan Duo expansion to Retirees with HR, Service Desk, and Communications partners. 	<ul style="list-style-type: none"> <input type="checkbox"/> Coordinate preparation activities with HR, Service Desk, and Communication partners. <input type="checkbox"/> Finalize communication plan. <input type="checkbox"/> Begin communication campaign.

Authentication Initiatives

FY 2024-2025	Q2	Q3	Q4 and beyond
Initiative 1: Separate Guest and Enterprise SSO	<ul style="list-style-type: none"> <input type="checkbox"/> Complete upgrade of core software (SimpleSAMLphp). <input type="checkbox"/> Release Guest Authentication for general availability and onboard customers. <input type="checkbox"/> Build and deploy Guest Authentication metadata manager. 	<ul style="list-style-type: none"> <input type="checkbox"/> Continue transitioning customers to Guest Authentication. 	<ul style="list-style-type: none"> <input type="checkbox"/> Continue transitioning customers to Guest Authentication.
Initiative 2: Continuous improvement	<ul style="list-style-type: none"> <input type="checkbox"/> Make OpenID Connect available to the university, as appropriate. <input type="checkbox"/> Continue cloud native refactor of authentication services. 	<ul style="list-style-type: none"> <input type="checkbox"/> Continue cloud native refactor of authentication services. 	<ul style="list-style-type: none"> <input type="checkbox"/> Complete cloud native refactor of authentication services.
Initiative 3: Multi-factor authentication enhancements	<ul style="list-style-type: none"> <input type="checkbox"/> Continue communication campaign. <p><i>(Additional work to be determined based on priorities and investigations.)</i></p>	<ul style="list-style-type: none"> <input type="checkbox"/> Release Duo availability to Retirees. <p><i>(Additional work to be determined based on priorities and investigations.)</i></p>	<ul style="list-style-type: none"> <input type="checkbox"/> Plan implementation of Duo Device portal. <input type="checkbox"/> Complete implementation of Duo Device portal. <p><i>(Additional work to be determined based on priorities and investigations.)</i></p>

Directory Services Initiatives

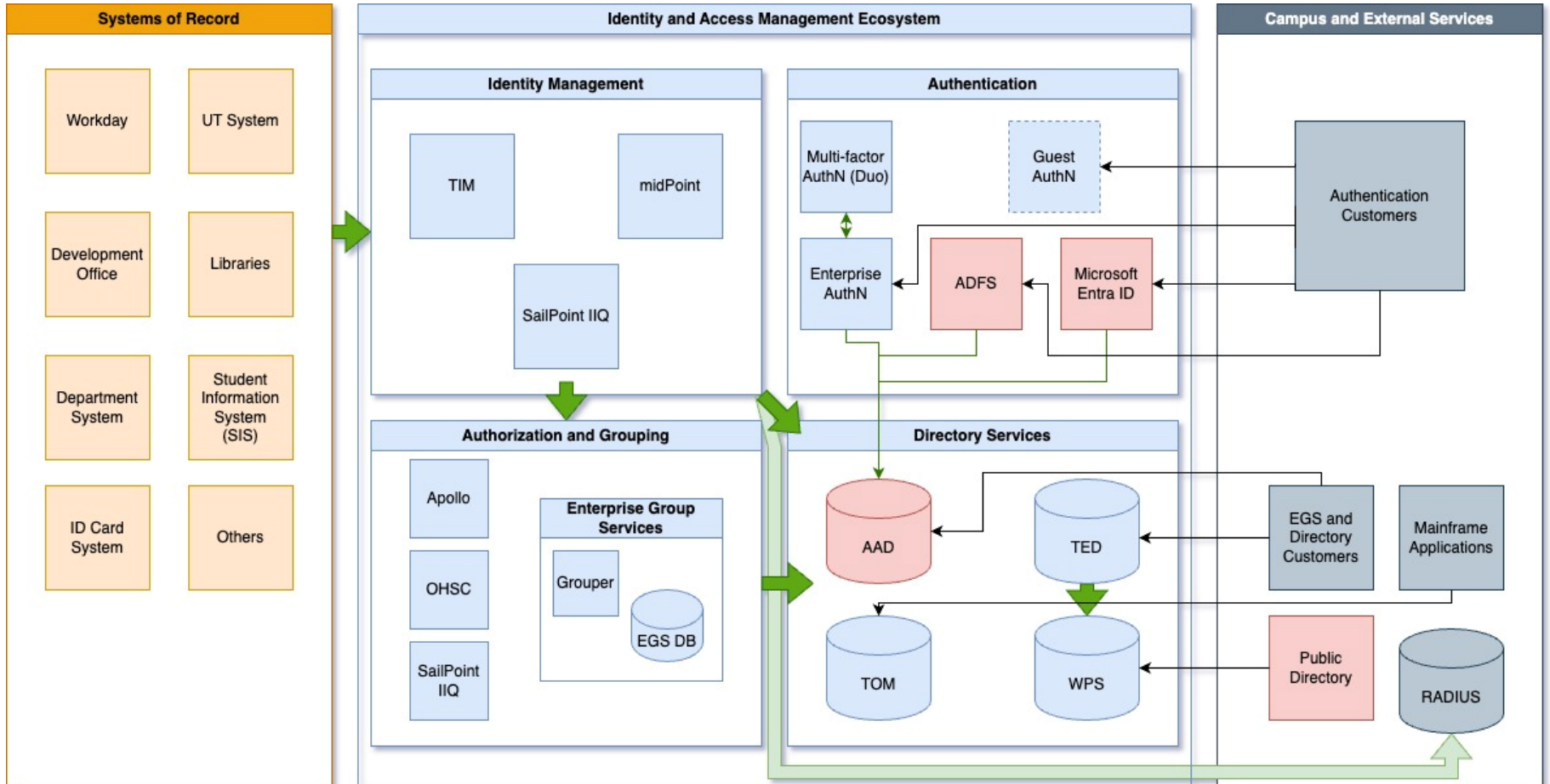
FY 2023-2024	Q3	Q4	FY 2024-2025 Q1
Initiative 1: Retire WHIPS	<i>(Customer transition from WHIPS to uTexas Enterprise Directory (TED) is on hold due to resource constraints.)</i>	<input checked="" type="checkbox"/> Begin removal of WHIPS dependency from directory.utexas.edu web application.	<input type="checkbox"/> Continue removal of WHIPS dependency from directory.utexas.edu web application.
Initiative 2: TED Cloud Resiliency	<input checked="" type="checkbox"/> Continue cloud native refactor of Directory Service services.	<input checked="" type="checkbox"/> Continue cloud native refactor of Directory Service services.	<input type="checkbox"/> Continue cloud native refactor of Directory Service services.

Directory Services Initiatives

FY 2024-2025	Q2	Q3	Q4 and beyond
Initiative 1: Retire WHIPS	<ul style="list-style-type: none"> <input type="checkbox"/> Complete removal of WHIPS dependency from directory.utexas.edu web application. <input type="checkbox"/> Plan customer transition from WHIPS to uTexas Enterprise Directory (TED). 	<ul style="list-style-type: none"> <input type="checkbox"/> Begin customer transition from WHIPS to uTexas Enterprise Directory (TED). 	<ul style="list-style-type: none"> <input type="checkbox"/> Complete customer transition from WHIPS to uTexas Enterprise Directory (TED). <input type="checkbox"/> Retire and decommission WHIPS.
Initiative 2: TED Cloud Resiliency	<ul style="list-style-type: none"> <input type="checkbox"/> Determine and plan TED and WPS cloud migration timeline. <input type="checkbox"/> Continue cloud native refactor of Directory Service services. 	<ul style="list-style-type: none"> <input type="checkbox"/> Communicate TED and WPS cloud migration timeline to stakeholders. <input type="checkbox"/> Finalize cloud native refactor of Directory Service services. 	<ul style="list-style-type: none"> <input type="checkbox"/> Complete cloud migration. <input type="checkbox"/> Monitor performance and service usage on cloud architecture.

Appendix

Current State versus Planned Future State



Identity Governance & Administration (IGA)

Identity Management: Current State

uTexas Identity Manager (TIM)

Identifier
Management

Identity
Registry

Identity
Provisioning

Password &
Credential
Management*

SailPoint IdentityIQ (IIQ)

Account
Registry

Microservices

Enterprise Identity Manager (midPoint)

NEW

* TIM & Duo

Identity Governance & Administration (IGA)

Identity Management: Planned Future State

uTexas Identity Manager (TIM)

Retired

SailPoint IdentityIQ (IIQ)

Retired

TIM Microservices

Identifier
Management

Mainframe
Broker

Enterprise Identity Manager (midPoint)

Identity
Registry

Identity
Provisioning

Account
Registry

Password &
Credential
Management*

NEW

* will include Privileged Access Management

Identity Governance & Administration (IGA)

Authorization Services: Current State

SailPoint IdentityIQ (IIQ)

Group & Role
Management

Authorization
Reporting and Review

Legacy Authorization Management

Apollo

*DPUSER

OHSC

Custom

Identity Governance & Administration (IGA)

Authorization Services: Planned Future State

SailPoint IdentityIQ (IIQ)

Retired

Legacy Authorization Management

Apollo

*DPUSER

OHSC

Custom

Enterprise Group Services (Grouper)

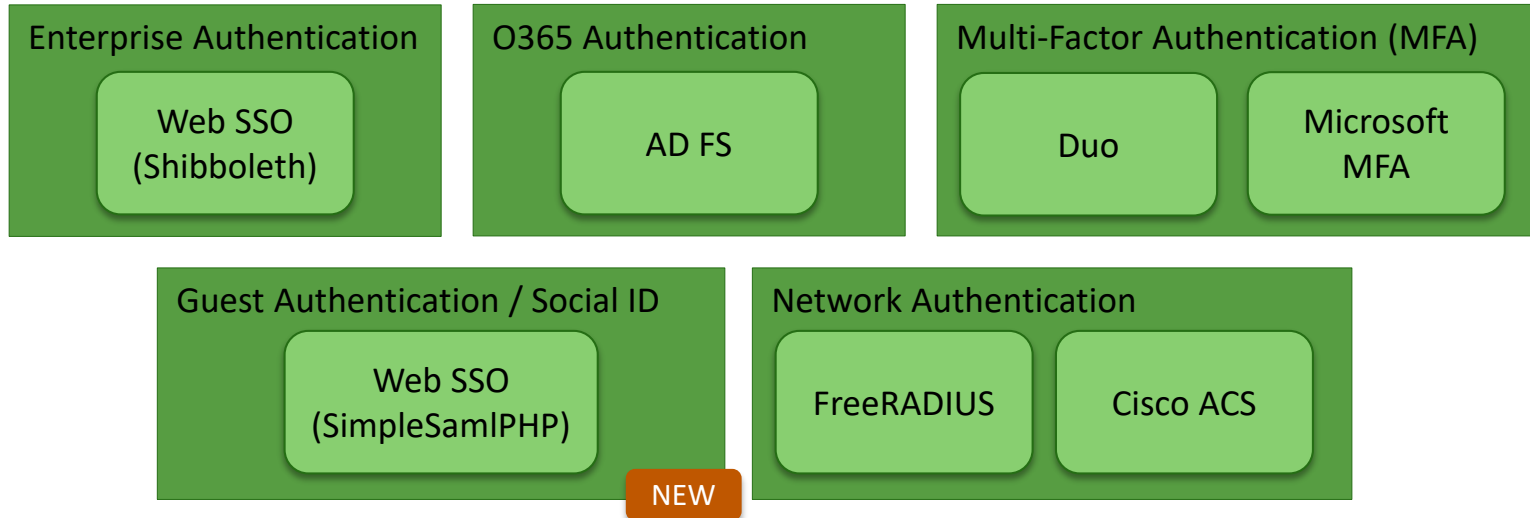
Group & Role
Management

Authorization
Reporting and Review

NEW

Authentication

Current State

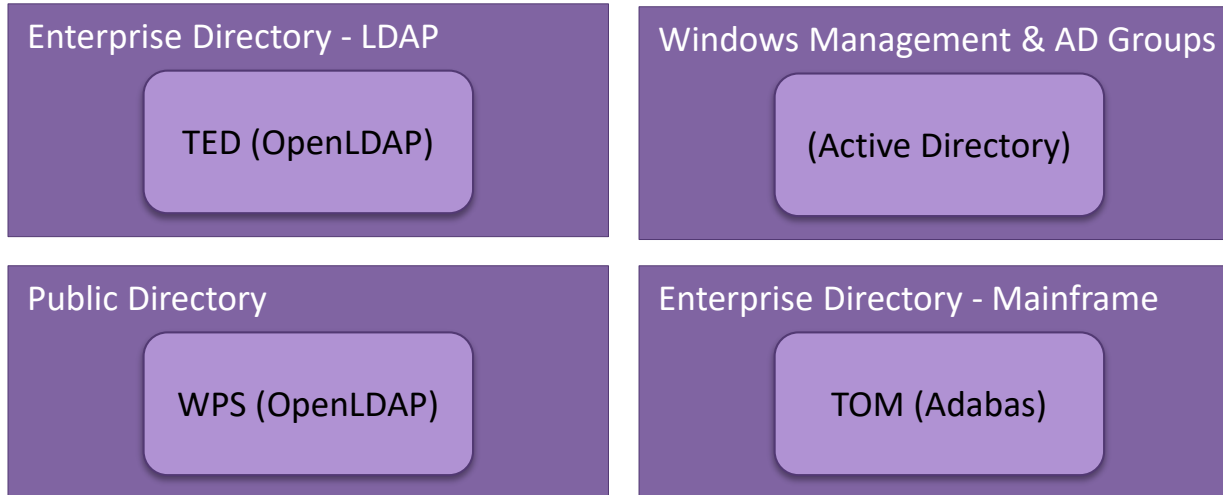


* Managed by ITS Networking

** Managed by Collaborative Platform Services

Directory Services

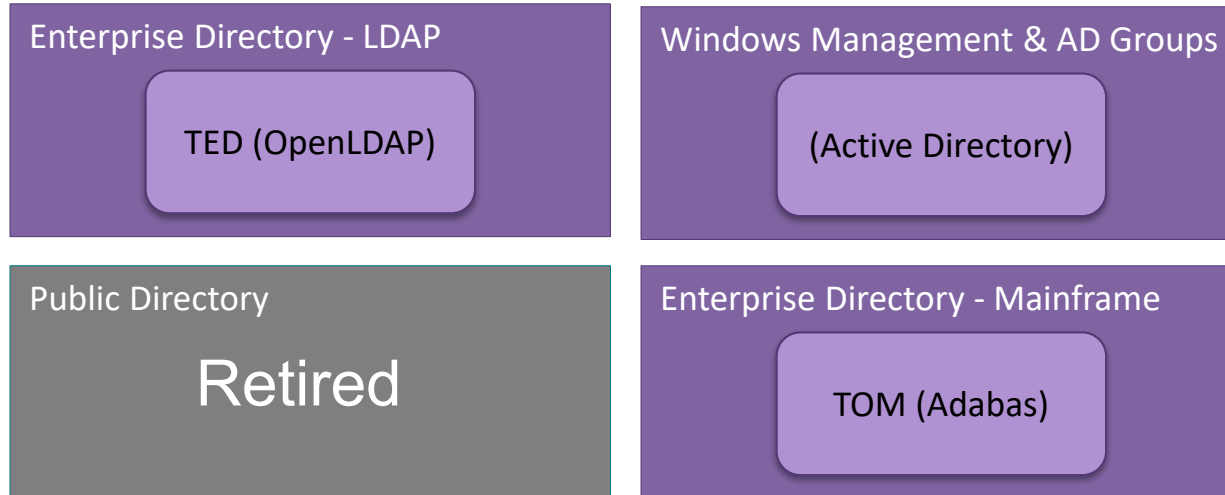
Current State



** Managed by Collaborative Platform Services

Directory Services

Planned Future State



** Managed by Collaborative Platform Services

IAM AT-A-GLANCE 2023



57.48 MILLION
AUTHENTICATIONS

3.54 BILLION
ENTERPRISE DIRECTORY
SEARCHES



318 PROTECTED
APPLICATIONS AND
SERVICES

22.1 MILLION
PUBLIC DIRECTORY
SEARCHES



10.77 MILLION
UT EIDs MANAGED



192,005
PASSWORD CHANGES

15.12% via ASSISTED RESET

84.88% via SELF-SERVICE

51.44% via EMAIL TICKET

18.33% via RESET QUESTIONS

15.12% via KNOWN PASSWORD

118 THOUSAND
UT EIDs PROTECTED BY
MULTI-FACTOR AUTHENTICATION



ACCOUNTING FOR
3 MILLION
AUTHENTICATIONS PER MONTH

The Identity & Access Management (IAM) team provides tools and services to make sure that the right people have access to the right resources at the right time.

<https://iamservices.utexas.edu/>