IAM Roadmap Quarterly Review (Q2, FY22-23)

IAM Committee and ITLC

Updated: February 28, 2023

Key Roadmap Priorities

- Identity Governance & Administration (IGA): Modernize tools, reduce technical debt
- Authentication: Continuous improvement
- Directory Services: Unify platforms
- NEW: Audit findings

IGA Initiatives

FY2022-2023	Q1	Q2	Q3
Initiative 1: Improve password security with new hash	*(Reduced scope due to resource constraints.)*	*(Reduced scope due to resource constraints.)*	*(Reduced scope due to resource constraints.)*
Initiative 2: Reduce technical debt by modernizing tools (IGA Modernization Program)	✓ Stand up the Production TAP environments. ✓ Begin security, functional, and non-functional testing of TAP solution and remediate issues. ✓ Continue configuration of TAP solution to meet Phase 1 requirements. *(Reduced scope due to resourcing limits.)*	✓ Draft charter for Phase 2. ✓ Continue configuration of TAP solution to meet Phase 1 requirements. *(Reduced scope due to resourcing limits.)*	❑ Complete security, functional, and non-functional testing of TAP solution and remediate issues. ❑ Complete midPoint Service Planning. ❑ Complete Phase 1 Go Live. ❑ Finalize charter for Phase 2. ❑ Begin Phase 2 planning.
Initiative 3: Rightsize data retention with identity lifecycles	✓ Develop and test Sponsored Affiliates.	✓ Deploy Sponsored Affiliates affiliations.	❑ Complete analysis of UT Highschool affiliations. ❑ Develop Youth Protection Program and UT High School affiliations, as appropriate.
Initiative 4: Group and role management strategy	✓ Complete testing of use cases.	✓ Configured and delivered groups for D2I in SailPoint.	❑ Complete Grouper Service Planning. ❑ Configure and deliver groups for D2I in Grouper.

◆ Quarterly progress check & course correction

IGA Initiatives

FY2022-2023	Q4	FY2023-2024 Q1	Q2 and beyond
Initiative 1: Improve password security with new hash	❑ Complete analysis and determine approach for transition of TED & FI/ST mainframe authentication to new hash.	❑ Begin transition of TED & FI/ST mainframe authentication to new hash.	❑ Complete transition of TED & FI/ST mainframe authentication to new hash. ❑ Retire old hashes and purge hash history.
Initiative 2: Reduce technical debt by modernizing tools (IGA Modernization Program)	❑ Finalize Phase 2 project schedule. ❑ Plan functional and non-functional testing of TAP solution for Phase 2. ❑ Define Phase 2 requirements and design. ❑ Begin configuration of TAP solution to meet Phase 2 requirements. ❑ Complete midPoint upgrade to incorporate requested functionality (vendor dependency).	❑ Complete configuration of TAP solution to meet Phase 2 requirements. ❑ Begin security, functional, and non-functional testing of TAP solution and remediate issues, including UAT. ❑ Plan and execute external communications about upcoming changes.	❑ Complete security, functional, and non-functional testing of TAP solution and remediate issues, including UAT, for Phase 2. ❑ Complete external communications about upcoming changes. ❑ Complete Phase 2 Go Live. ❑ Define and finalize Phase 3 scope and project schedule.
Initiative 3: Rightsize data retention with identity lifecycles	❑ Deploy Youth Protection Program and UT High School affiliations, as appropriate.	*Completed in FY2022-2023 Q4.*	*Completed in FY2022-2023 Q4.*
Initiative 4: Group and role management strategy	*Completed in FY2022-2023 Q3.*	*Completed in FY2022-2023 Q3.*	*Completed in FY2022-2023 Q3.*

◆ Quarterly progress check & course correction

Authentication Initiatives

FY2022-2023	Q1	Q2	Q3
Initiative 1: Separate Guest and Enterprise SSO	✓ Continue to investigate additional Guest Authentication early adopter(s) and determine next steps	✓ Continue to investigate additional Guest Authentication early adopter(s) and determine next steps	❑ Continue to investigate additional Guest Authentication early adopter(s) and determine next steps
Initiative 2: Continuous improvement	✓ Investigate Kubernetes implementation. *(Reduced scope due to resource allocation for IGA Modernization.)*	✓ Begin cloud native modernization.	❑ Continue cloud native modernization.
Initiative 3: Multi-factor authentication enhancements	✓ Execute communication plan and finalize ServiceNow documentation. ✓ Deployment of required changes for Duo Universal Prompt (scheduled for October 19, 2022).	✓ Investigate disabling SMS functionality for certain affiliations. ✓ Complete refactor of the MFA self-registration portal.	❑ Investigate approaches to reducing telephony credit usage. ❑ Plan roll out of Verified Push functionality. *(Additional work to be determined based on investigations and Audit Finding 3.)*

◆ Quarterly progress check & course correction

Authentication Initiatives

FY2022-2023	Q4	FY 2023-FY2024 Q1	Q2 and beyond
Initiative 1: Separate Guest and Enterprise SSO	❑ Produce Guest Authentication service plan and implement early adopter use cases.	❑ Deploy Guest Authentication for general availability. ❑ Begin transitioning customers to Guest Authentication.	❑ Continue transitioning customers to Guest Authentication.
Initiative 2: Continuous improvement	❑ Complete cloud native modernization. ❑ Begin cloud native refactor of authentication services.	❑ Continue cloud native refactor of authentication services. ❑ Investigate implementation of OpenID Connect.	❑ Complete cloud native refactor of authentication services. ❑ Implement OpenID Connect.
Initiative 3: Multi-factor authentication enhancements	❑ Plan communications about Verified Push functionality for general Duo population. ❑ Investigate implementation of Duo Device portal. *(Additional work to be determined based on investigations and Audit Finding 3.)*	❑ Begin communications about Verified Push functionality for general Duo population. *(Additional work to be determined based on investigations and Audit Finding 3.)*	❑ Complete communications about Verified Push functionality for general Duo population. ❑ Enable Verified Push functionality for general Duo population. *(Additional work to be determined based on investigations.)*

◆ Quarterly progress check & course correction

Directory Services Initiatives

FY2022-2023	Q1	Q2	Q3
Initiative 1: Retire WHIPS	*(Customer transition from WHIPS to uTexas Enterprise Directory (TED) put on hold due to resource allocation for IGA Modernization.)*		
Initiative 2: TED Cloud Resiliency	*(Reduced scope due to resource allocation for IGA Modernization and Authentication Initiative 2.)*	*(Reduced scope due to resource allocation for IGA Modernization and Authentication Initiative 2.)*	*(Reduced scope due to resource allocation for IGA Modernization and Authentication Initiative 2.)*

◆ Quarterly progress check & course correction

Directory Services Initiatives

FY2022-2023	Q4	FY2023-2024 Q1	Q2 and beyond
Initiative 1: Retire WHIPS	*(Customer transition from WHIPS to uTexas Enterprise Directory (TED) put on hold due to resource allocation for IGA Modernization.)*	❑ Begin removal of WHIPS dependency from directory.utexas.edu web application.	❑ Complete removal of WHIPS dependency from directory.utexas.edu web application. ❑ Complete customer transition from WHIPS to uTexas Enterprise Directory (TED). ❑ Retire and decommission WHIPS.
Initiative 2: TED Cloud Resiliency	❑ Plan cloud native refactor of Directory Service services.	❑ Begin cloud native refactor of Directory Service services.	❑ Complete cloud native refactor of Directory Service services.

◆ Quarterly progress check & course correction

Audit Findings

FY2022-2023	Q1	Q2	Q3
Audit Finding 1: Standardized Account Management Due Date: August 2023	✓ Investigate implementation approach. ✓ Begin making EID class data available in Splunk.	✓ Collaborate with ISO to share data. ✓ Finalize implementation. Campus constituents will be able to easily map UT EIDs to EID classes, allowing for reporting and alerting. ✓ Confirm Audit Finding 1 complete.	*Completed in FY2022-2023 Q2.*
Audit Finding 2: Privileged Access Management (PAM) solution Due Date: December 2023	*(Dependency on IGA Modernization functionality.)*	✓ Begin analysis and determine implementation options. *(Dependency on IGA Modernization functionality.)*	❑ Continue analysis and determine implementation options. *(Dependency on IGA Modernization functionality.)*
Audit Finding 3: Length of Duo Trusted Sessions Due Date: August 2023	✓ Finalize deployment plan of Duo Authentication Proxy. ✓ Begin testing Duo Authentication Proxy. *(Dependency on IGA Modernization Phase 1 Group and Role Management functionality. EC: FY2022-2023 Q3)*	✓ Initiate communication plan to share implementation plan with IT community. ✓ Define and finalize project schedule. *(Dependency on IGA Modernization Phase 1 Group and Role Management functionality. EC: FY2022-2023 Q3)*	❑ Complete Duo Authentication Proxy. ❑ Begin verifications of Duo security policies, including Early Adopter UAT. ❑ Build manageable group of campus IT community members to link to the custom Duo policy. ❑ Finalize communication plan to share implementation plan with IT community. ❑ Begin communication plan execution.

◆ Quarterly progress check & course correction

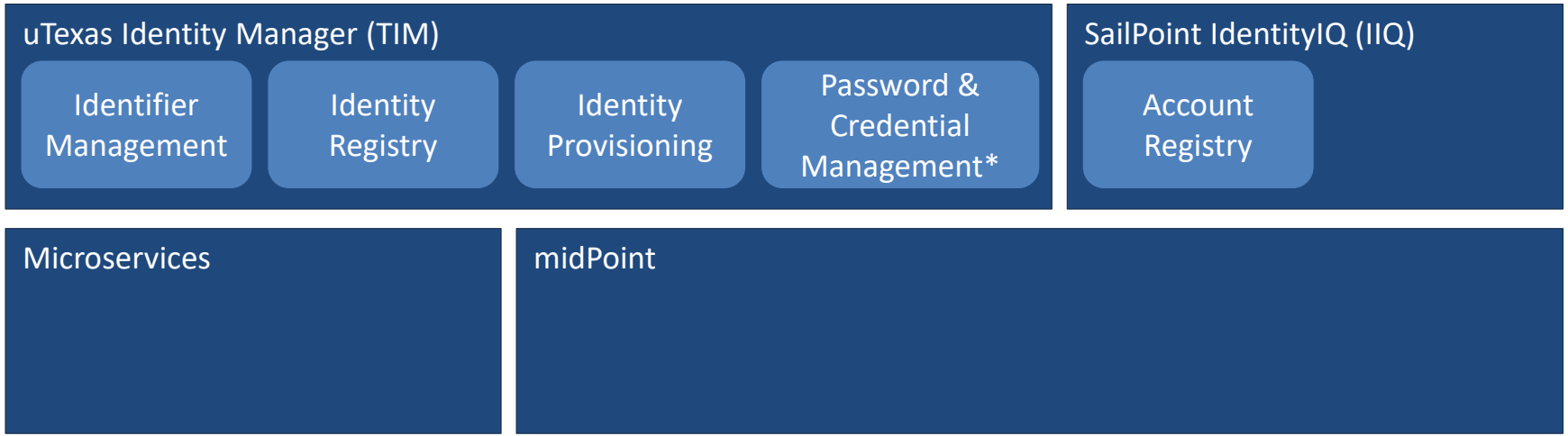
Audit Findings

FY2022-2023	Q4	FY2022-2023 Q1	Q2 and beyond
Audit Finding 1: Standardized Account Management Due Date: August 2023	*Completed in FY2022-2023 Q2.*	*Completed in FY2022-2023 Q2.*	*Completed in FY2022-2023 Q2.*
Audit Finding 2: Privileged Access Management (PAM) solution Due Date: December 2023	❑ Complete analysis and determine implementation approach. *(Dependency on IGA Modernization functionality.)*	❑ Create project plan. ❑ Define and finalize requirements. ❑ Create and finalize design. *(Dependency on IGA Modernization functionality.)*	❑ Complete solution configurations. ❑ Create and execute communication plan. ❑ Establish and enable Privileged Access Management (PAM) process. ❑ Transition accounts to PAM process. *(Dependency on IGA Modernization functionality.)*
Audit Finding 3: Length of Duo Trusted Sessions Due Date: August 2023	❑ Complete verifications of Duo security policies. ❑ Complete communication plan execution. ❑ Enable new Duo security policy for identified IT community. This Duo policy will reduce the “Remember Me” feature from 30-days to 1-day and require staff to use Yubikeys.	*Completed in FY2022-2023 Q4.*	*Completed in FY2022-2023 Q4.*

◆ Quarterly progress check & course correction

Identity Governance & Administration (IGA)

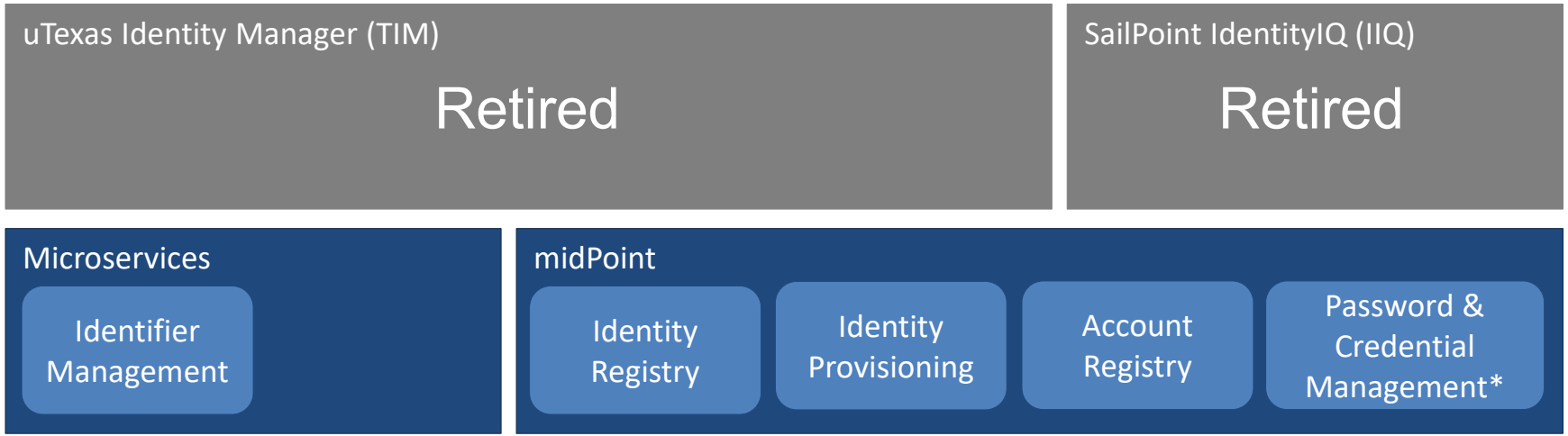
Identity Management: Current State



* TIM & Duo

Identity Governance & Administration (IGA)

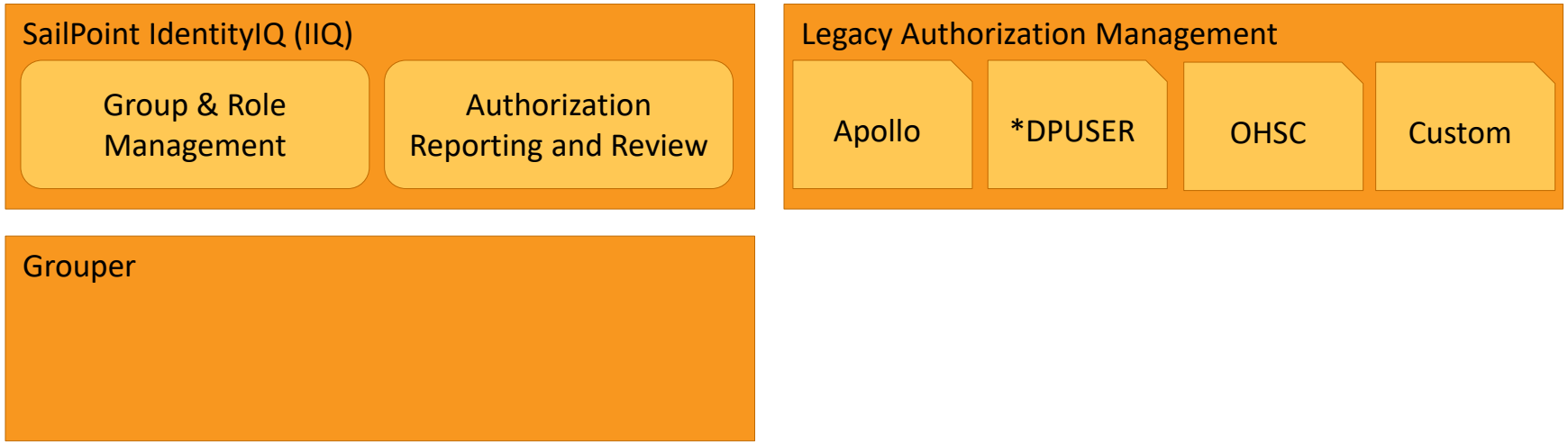
Identity Management: Planned Future State



* midPoint or Azure Tool & Duo

Identity Governance & Administration (IGA)

Authorization Services: Current State



Identity Governance & Administration (IGA)

Authorization Services: Planned Future State

SailPoint IdentityIQ (IIQ)

Retired

Legacy Authorization Management

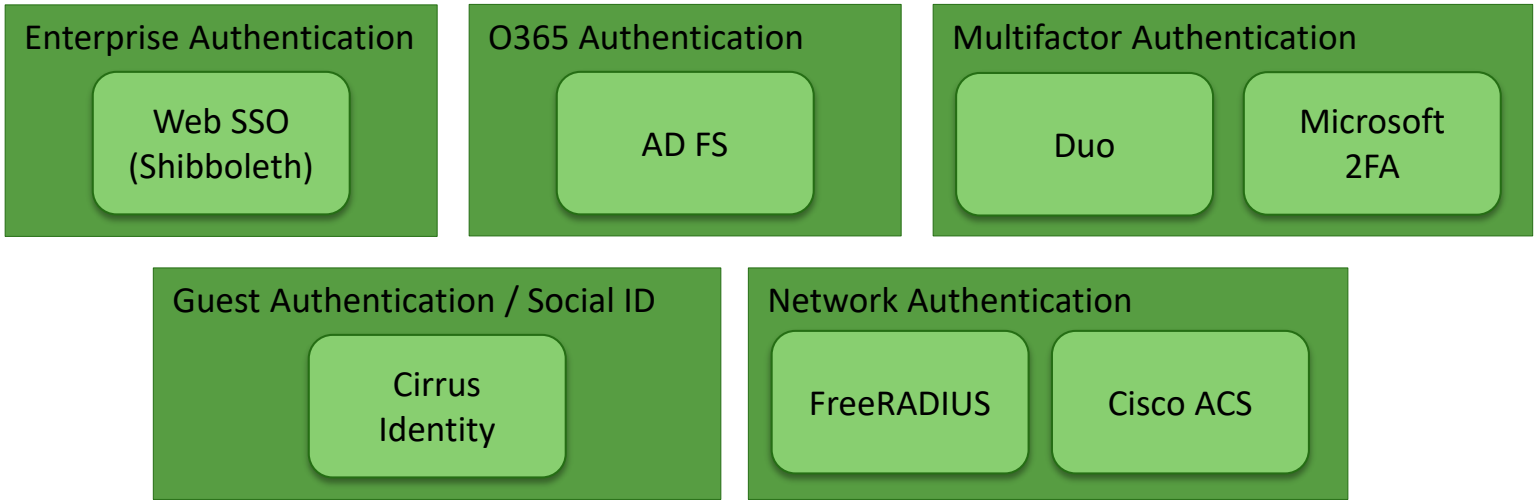
- Apollo
- *DPUSER
- OHSC
- Custom

Grouper

- Group & Role Management
- Authorization Reporting and Review

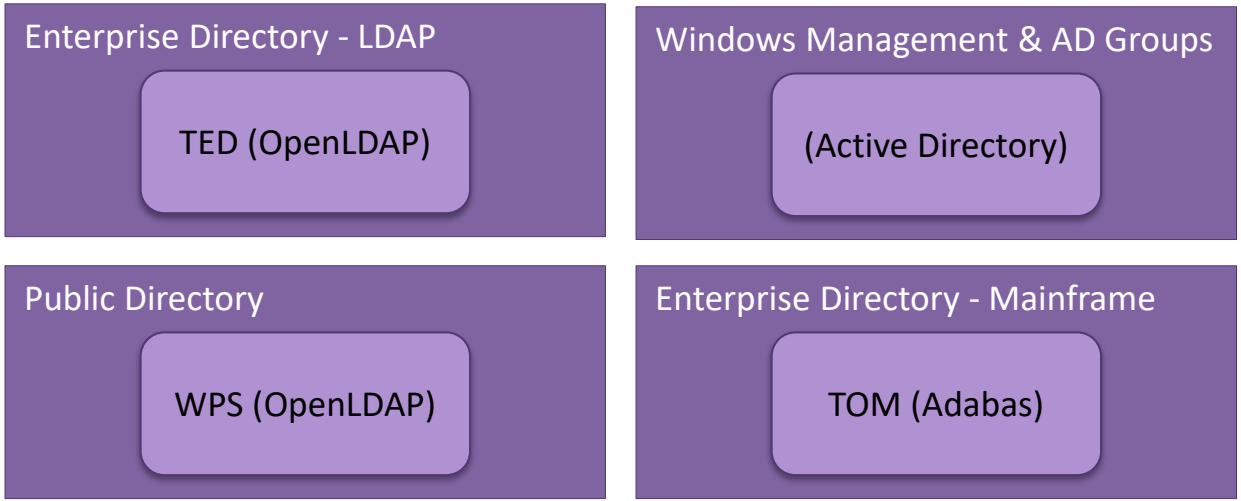
Authentication

Current State



Directory Services

Current State



Directory Services

Planned Future State