Identity and Access Management
PI-3 Demo

June 2, 2015
Tuesday
10:00-11:00 a.m.
Lamont Forum Room
Agenda

• Meeting Purpose and Intended Outcomes
• PI-3 Business Objectives
• Demo: HarvardKey User Interface Look and Feel
• Demo: MIDAS for Alumni Data
• Demo: Multifactor Authentication Using Duo
• Summary and Close
Demonstration: Program Increment Accomplishments

Purpose
To provide the team and invited guests with a summary and demonstration of key work accomplished during our second Program Planning Increment (PI-3).

Intended Outcomes
- Share our work in PI-3 and provide a forum for stakeholder feedback
- Continue to build an understanding of the IAM program
### PI-3 Business Objectives

Accomplished in support of cloud migration:

<table>
<thead>
<tr>
<th>Objective</th>
<th>Accomplishment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Continue to migrate applications to the cloud</td>
<td>• Exceeded financial target for decommissioning on-premise environments by focusing on moving development and QA environments across most applications</td>
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# PI-3 Business Objectives

## Accomplished in support of Alumni:

<table>
<thead>
<tr>
<th>Objective</th>
<th>Demonstration</th>
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</thead>
<tbody>
<tr>
<td>Support Alumni authentication using HarvardKey</td>
<td>• Authentication with HarvardKey</td>
</tr>
<tr>
<td>Support management of Alumni users in MIDAS</td>
<td>• New MIDAS functionality that includes Alumni data</td>
</tr>
<tr>
<td>Implement UX changes to Alumni registration recommended by Isobar</td>
<td>• HarvardKey application UI highlights</td>
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## PI-3 Business Objectives

### Accomplished in support of FAS:

<table>
<thead>
<tr>
<th>Objective</th>
<th>Accomplishment</th>
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</thead>
<tbody>
<tr>
<td>Enable FAS users to claim, manage, and authenticate using HarvardKey (PIN)</td>
<td>• Self-service: HarvardKey for FAS users</td>
</tr>
<tr>
<td>Complete database-level changes to support FAS, including adjustments to existing feeds</td>
<td>• Additions to IdDB database and related updates to <em>Sailpoint_Person</em> view</td>
</tr>
<tr>
<td>Reconfigure the cube in SailPoint IIQ and rework community logic</td>
<td>• Configured an additional instance of IIQ (in the cloud) and redesigned integration with source data in IdDB</td>
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**PI-3 Business Objectives**

Teams also met the following additional commitments:

<table>
<thead>
<tr>
<th>Objective</th>
<th>Accomplishment</th>
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<tbody>
<tr>
<td>Set up proof-of-concept implementation of a MFA solution</td>
<td>• Completed the proof of concept and performed demonstrations</td>
</tr>
<tr>
<td>Implement changes per IIQ audit outcomes</td>
<td>• Completed agreed-upon changes to IIQ and targets</td>
</tr>
<tr>
<td>New report for HR on MIDAS users</td>
<td>• Report created as an ad-hoc job; demonstrated for HR users and available to them on demand</td>
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HarvardKey: Background

• Core functions of the HarvardKey application were built in prior program increments

• IAM worked with AAD and Isobar, who delivered a user interface build kit to the IAM HarvardKey team for the HarvardKey application and the new login application

• HarvardKey is the successor to PIN, and this new user interface will debut when Alumni authentication transitions from existing external vendor (Harris) to HarvardKey on 9/22/15
Demo: HarvardKey UI
Look and Feel

Joe Hardin
The Demo

• Alumni account registration, which serves as “account claim” for Alumni users

• The goal: A simple UI with minimal on-screen text and a standard, familiar navigation approach

• Application automatically adjusts to mobile or tablet dimensions

• User feedback mechanisms include both color-coding and icons to indicate success or failure

• Much more feedback/guidance than the current PIN system for users as they set a strong password
In Summary

We saw:

• Interface that Alumni will use when claiming (re-registering) accounts
  – More attention to user feedback on success or failure

Benefits:

• Account claim is just a means to the end: access to the new ACE Alumni app
  – Claim is a one-time event for users, so the goal is to keep it simple
  – Enable registration from phones or tablets
  – Same look and feel for any feature of HarvardKey

• IAM is committed to accessibility and ease of use for all users, including color-coding and intuitive icons

• HUIT and AAD support services will be ready with the tools needed to work with IAM data
  – MIDAS!
Feedback?
Questions? Concerns? Compliments?
Demo: MIDAS View

Joe Hardin
The Background

She’s no beauty, but she’s indispensable!

• MIDAS is the web application used to manage data in our identity registry

• Multiple MIDAS user roles reflect a variety of reasons that people are given access to this tool
  – ID offices
  – Registrars
  – Directory contacts
  – Helpdesks
  – People administrators in Schools and departments
The Demo

• View Alumni data in MIDAS
  – As a fully-privileged user
  – As a basic reader with limited access

• New search options
In Summary

We saw:

• View of Alumni data for privileged and less privileged users
• Enhancements to MIDAS searches for Alumni data

Benefits:

• Users only gain access to data they have a business need to see
• No updates to Alumni data except for attributes associated with HarvardKey and the claiming process itself
Feedback?
Questions? Concerns? Compliments?
Demo: Multifactor Authentication using Duo

Mahbub Rahman
Even the strongest password policy is no match for a truly determined hacker — so what is a user to do?

Answer: Layer your defenses by using an additional factor upon authentication

HarvardKey will incorporate features provided by Duo to enable this additional factor for users and applications

Success will hinge upon the setup and use of this additional factor in a way that is user-friendly for faculty, staff, and students

Applications will be able to require multifactor authentication, or individuals can decide to enable multifactor authentication for all their logins using HarvardKey
The Demo

• User navigates to an application requiring multifactor authentication and is prompted to set up the capability

• User is guided through a step-by-step setup process

• User logs in using the additional factor
We saw:

• Setup of multifactor authentication on a smartphone using Duo

Benefits:

• Additional protection at login by adding an additional factor
  – Something you know (your password) plus something you have (your mobile phone, which receives a one-time code)

• Flexible implementation that enables either a user or an application to require an additional factor

• A simple, quick set-up process that is easy to follow

• Options for people who don’t have smartphones

• Track record of success in higher education, including similar deployments at peer institutions
Summary and Closing

Jane Hill
Summary of PI-3

Today’s demonstrations illustrated the following objectives:

• User interface “facelift” with the Isobar build kit so that HarvardKey users benefit from a more modern, easier-to-use experience

• Continued expansion of core features for Alumni registration and user account claiming, management, and authentication

• MIDAS enhancements to better equip help desks to support Alumni users
Other Accomplishments During PI-3

• Continued progress migrating from on-premise to the cloud, including exceeding the financial cost-savings target we set for our program

• Migrating applications in lower environments to set the stage for production deployments before the end of PI-4:
  – PIN/CAS authentication
  – SailPoint IIQ identity provisioning
  – MIDAS
  – Phonebook (www.directory.harvard.edu)
  – Public LDAP (phonebook.harvard.edu)
  – Connections
And Speaking of Program Increment 4 …

- It starts tomorrow!
- It will be our most challenging program increment to date
- Budget two hours for the demo 😊

We’ll see you in August!
Thank you!