

# Project Plan



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## Details

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**Project Name:** OneIT – Identity and Access Management  
Sub 2: External Forest Migrations

**Project Team Leads:** Mike Noel, Brandon Mills, Jordan O’Konek

**Project Manager:** Kris Halter

**TeamDynamix Project Number:** 241151

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## Project Overview (What is going to be accomplished)

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Evaluate existing central and collegiate IAM operations and use of vended IAM systems

1. Survey campus to identify forests outside of the UIOWA forest; look for additional forest consolidation opportunities
2. Migrate 3 College of Engineering external forests into the Iowa domain

### Survey

A campus community-wide survey of the ITADmin and OneIT leader communities will be conducted to identify any additional forest consolidation opportunities. As best we know from campus security scans and campus communication, the three forests administered by the College of Engineering represent the best opportunities for further Active Directory infrastructure consolidation into the shared campus UIOWA forest. A survey will validate that premise.

This survey will include two components:

1. ITS AIS DNA team will survey ITADmins and OneIT leaders in search of additional forest infrastructure consolidation opportunities.
2. Information Security and Policy Office will run a network scan to identify domain controllers. A security scan conducted 6/8/2015 identified only the Active Directory forests known to this project.
3. Target completion: December 2015
4. Team: DNA, ISPO

### Migrate 3 College of Engineering external forests into the Iowa domain

The College of Engineering provides support for 3 Active Directory forests that are external to the UIOWA forest.

- a. College of Engineering: Collegiate Forest
  - i. Mobile device support migration to Iowa domain is complete
  - ii. Working with ADEA’s and directory service team to enable NFSv4 service in IOWA domain is in progress
  - iii. Migration of services and user credentials is dependent on successful completion of UNIX/AD Integration Project
  - iv. The major work for this migration must be scheduled in concert with the academic calendar to minimize disruption to faculty, staff, and students.
- b. Research Group Forests
  - i. College of Engineering: Center for Computer-Aided Design (CCAD)
    1. <http://www.ccad.uiowa.edu/>

# Project Plan

- ii. College of Engineering: Iowa Institute for Biomedical Imaging (IIBI)
  - 1. <http://www.biomed-imaging.uiowa.edu/>
- iii. Migration of these forests is dependent on availability of enterprise credentials for external identities. In addition to UI researchers, about 50 external identities are supported/year. Half are post grad students who are currently provisioned a new identity; other half are research collaborators external to the UI.
  - In UIOWA forest:
    - 1. UI post grad students will use their HawkIDs.
    - 2. Engineering will include these students in set of active IDs tracked in the IDM Engineering service. This usage report will keep these HawkIDs active for as long as service is active.
    - 3. Engineering HR will create complimentary, no-pay appointments for external researchers (6/8/2015: ok with Mike Kaplan; these appointments are not included in IPED counts and therefore have no impact on software licensing counts.)
    - 4. When research ends, collegiate HR will close the complimentary appointment, which will trigger deprovisioning of services.
    - 5. Workflow process needs to be defined for service provisioning/deprovisioning requests.
    - 6. Migration will be possible 3-6 months after the external identity solution is in place.
- iv. Migration will require that a 1-way forest trust be established to facilitate migration of users and resources (same functionality that enabled the IHR forest migration to the Iowa domain).
  - 1. Status June 2015: ITS-EI-SST agreed to 1-way trust (Engineering forest to trust UIOWA forest)
  - 2. Status April 2016: ADEA groups agreed to 1-way trust (Engineering forest to trust UIOWA forest)
- c. Team: ADEAs, Matt McLaughlin, Dan Metzler
- d. Target completion: Fall 2017

At close of the forest migrations, the College of Engineering IT department will evaluate their use of the Hitachi Identity Management software suite. The password management tools will no longer be needed as all credentials will be in the Iowa domain.

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## Project Staffing (Who will perform the work)

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Team Member	Role, Skill Set	Estimated Time Commitment (hrs)
<i>Mike Noel</i>	<i>Project Leader</i>	<i>20</i>
<i>Jordan O’Konek</i>	<i>Project Leader</i>	<i>20</i>
<i>Brandon Mills</i>	<i>Project Leader</i>	<i>20</i>
<i>Kris Halter</i>	<i>Project Manager</i>	<i>20</i>
<i>Engineering IT Staff</i>	<i>Engineering System Administrator</i>	<i>800</i>
<i>Guy Falsetti</i>	<i>ADEA</i>	<i>20</i>
<i>Dan Metzler</i>	<i>ADEA</i>	<i>200</i>
<b>Total</b>		<b>1100</b>



# Project Plan

## Project Schedule (When will the work be started/completed)

Milestone	Target	Status
Survey IT Admins on external forests	12/31/2015	Complete
Conduct Microsoft AD RAP to evaluate a COE Forest in preparations for migrations	03/28/2016	Complete
Migrate Engineering's CCAD forest domain functionality to Iowa domain	08/01/2016	WIP
Migrate College of Engineering's collegiate forest domain functionality to Iowa domain	08/01/2017	
Migrate Engineering's IBI forest domain functionality to Iowa domain	08/01/2017	

## Project Budget

Only project budget item identified at this time is the actual implementation effort, 1,100 hrs or \$71,500.

Projected Savings from migration of College of Engineering Active Directory domain infrastructure into Iowa domain

- a. Savings per domain retirement = \$8.2K to \$13.1K/yr x 3 domains = \$24.6K-\$39.2K
  - i. Staff time per domain: 5-10% FTE @ \$97.5K/yr = \$4.875k-9.75/yr
  - ii. 3 domain controllers/domain: \$10K/3-4 years = \$3.3K/yr
- b. Some additional savings may be possible from Active Directory management software licenses that are no longer needed

Savings Type	Minimum Savings	Maximum Savings
Staff support time	\$4,875	\$9,750
Domain Controller Hardware (3 DCs)	\$3,333	\$3,333
Total	\$8,208	\$13,083

Retirement of three domains has potential savings of \$24,624 to \$39,249.

## Change Control Plan (What is the process for managing change)

Substantial changes to project scope will be brought to the OneIT Steering Committee for evaluation and resolution.



# Project Plan

## Communications Plan (How will information be communicated)

<i>Target Audience</i>	<i>Primary Contact</i>	<i>Communication Mechanism</i>	<i>Frequency</i>	<i>Purpose/Description of Communication</i>	<i>Author/Owner</i>
<b>OneIT Steering Committee</b>	Program Office	Email, meeting discussion	Monthly, ad hoc as needed	Updates on project, feedback	Mike
<b>Project Team</b>	N/A	Email, meeting discussion	Monthly, ad hoc as needed	Updates on project, feedback	Team
<b>OneIT Leaders</b>	Chris Clark	Email, meeting discussion	Monthly, ad hoc as needed	Updates on project, feedback	Kris
<b>ITAdmin Community</b>	Tim Wolfe	Email, meeting discussion	Monthly, ad hoc as needed	Updates on project, feedback	Kris
<b>IDUG</b>	Brenda Ulin	Email, meeting discussion	Monthly, ad hoc as needed	Updates on project, feedback	Mike
<b>ADEA</b>	Guy Falsetti	Email, tele-conference	Bi-weekly	Updates on project, feedback	Kris
<b>Engineering</b>	Matt McLaughlin	Email, meeting discussion	Monthly, ad hoc as needed	Updates on project, feedback	Jordan
<b>DNA</b>	Jordan O'Konek	Email, meeting discussion	Monthly, ad hoc as needed	Updates on project, feedback	Jordan
<b>ISPO</b>	Jane Drews	Email, meeting discussion	Monthly, ad hoc as needed	Updates on project, feedback	Mike
<b>Advisory Committee</b>	N/A	Email, meeting discussion	Monthly, ad hoc as needed	Updates on project, feedback	Kris

## Risk Management Plan

<i>Risk Number</i>	<i>Risk Description</i>	<i>Likelihood (H,M,L)</i>	<i>Impact (H,M,L)</i>	<i>Mitigation Strategy</i>
1	College of Engineering is unable to migrate all systems	M	M	Extend project time line
2	Linux Support in UIOWA forest not equivalent to Engineering forests	M	H	Additional services needed/ Extend project timeline
3	Limited staff resource availability	M	L	Extend project timeline
4	Reduced agility	H	M	Additional resources required

## Issue Tracking and Resolution Plan

Issues will be tracked and resolutions captured on the IAM SharePoint site.



# Project Plan

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## Metrics / Key Performance Indicators

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# of external forests moved in external Engineering forests to UIOWA forest  
# of objects/SID's moved from Engineering AD forests to UIOWA forest for Engineering  
Reduction in Engineering support time.

<input type="checkbox"/>	Project Plan Approval Date	MM/DD/YY
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