

Authentication and Authorization

Release: 1.4 Date: 4/23/12

Owner: Deployment and EAI group

Service Description

Enterprise Authentication Service (EAS) is a single sign-on authentication, authorization, and session management service offered by AITS for many of the University's enterprise systems. It also serves as the repository for user, permission, group, enterprise network ID, personal identification number, and security question information. EAS allows applications to authenticate and authorize users in a consistent fashion and without maintaining application specific repositories for this purpose. Furthermore, vended applications and other interested participants can keep local user repositories in sync with EAS by consuming synchronization messages published by EAS on the University's enterprise service bus (ESB).

This service is offered through the Work Request and ITPC Project request processes. For more information on requesting work or submitting a project, please see the [ITPC Project Submissions](#) page on the ITPC web site.

To discuss your needs with an AITS representative, please contact the AITS Service Desk

servicedesk@uillinois.edu

217-333-3102 (Urbana)

312-996-4806 (Chicago)

Enterprise ID:

EAS uses Enterprise ID (EID) to authenticate users to administrative applications such as UI-Integrate (Banner), PCard, online student course registration, Human Recourses, Payroll, Benefits, Finance, etc. EID is a user id in the uillinois.edu domain, which is a **superset** of (most) campus Netid's. Netid's are user ids assigned by each campus and are used as credentials to access campus specific applications and systems.

EAS Policy:

Enterprise ID and/or Enterprise Authentication Service (EAS) must be used with all enterprise wide administrative applications for user authentication purposes. Administrative applications include, but are not limited to, Banner, online student course registration, Human Recourses, Payroll, Benefits, Finance and all newly developed web-based applications.

The implementation of this policy is the responsibility of any University of Illinois college, department or organization that has developed and implemented an enterprise wide administrative application or system.

EAS Services:

1. A service gateway and repository that are the authoritative source for sessions, users, permissions, network ID assignments, groups, PINs, and security questions
2. A J2EE web application that allows users to authenticate, claim network IDs, and change their password and security questions.
3. A web application framework that client applications use to communicate to the EAS service via the ESB.

EAS Benefits:

- Enterprise (University) wide login IDs and Passwords. In other words, applications using EAS can authenticate users from Urbana, Chicago, and Springfield
- Single sign on for developed and vended applications
- Lessens support requirements through consistent look and feel
- Improved security through centralized session management and policy enforcement
- Reduced total cost of ownership with a single authoritative source for authentication and authorizations
- Common repository for network ID assignments
- Accentuates the process of maintaining network IDs by storing them in a single repository

Features of EAS provide for an efficient and effective means for securing access to on-line services. Customers can leverage the service to:

- Generate and create network IDs
- Create network ID assignments
- Create enterprise and application sessions
- Assign appropriate access to on-line resources
- Query for Enterprise User information including permissions, properties and network ID assignments.
- Reset passwords and maintain security questions
- Subscribe to network ID assignment updates

Hours of Availability

This service is available to customers 24 x 7, excluding planned outages, maintenance windows and unavoidable events. Maintenance windows are used only when needed for planned changes that have gone through the AITS Change Control Process. In addition to the standard AITS maintenance windows, site-specific and service-specific changes may be coordinated with customers at non-standard times.

Standard maintenance windows are defined as:

- 6:00 a.m. to 12:00 p.m. each Sunday when application usage is at its lowest

- After 5:00 p.m. every Tuesday and Thursday, unless business needs to make a change during business hours
- The second Wednesday of the month from 5:00 p.m. to 8:00 p.m. for patching Microsoft servers
- 6:00 a.m. to 6:00 p.m. three Sundays a year for routine Windows and Linux maintenance

Customer Responsibilities

- Submit an appropriate work request or template to gain access to EAS
- Deploy and learn the EAS service definition, messages, and APIs
- Obtain access to the University's ESB infrastructure
- Develop and test applications that invoke EAS
- Participate in EAS testing and maintenance events as needed

For access problems, questions, or comments, contact the AITS Help Desk at 217-333-3102 Urbana or 312-996-4806 Chicago. You can also e-mail the AITS Service Desk at servicedeskait@uillinois.edu

How Do We Charge?

This service is offered through the Work Request and ITPC Project request processes. For more information on requesting work or submitting a project, please see the [ITPC Project Submissions](#) page on the [ITPC web](#) site. Currently, AITS does not charge for this service.

***Our Service Catalog is based on material that was developed by The State of North Carolina’s Operational Excellence Program’s Service Catalog and adapted with their permission. ***

DOCUMENT OWNER/APPROVAL

Service Catalog Owner: Amin Kassem

Concurrence: _____
 Service Catalog Owner Date

_____ Date
 Computer Operations Engineering

Approval: _____
 Associate Vice President - AITS Date

REVISION CONTROL

Document title	Authentication and Authorization
Author	Amin Kassem
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Date	By	Action	Pages
12-9-09	Rita Bates	Acknowledging North Carolina’s work	2
1-4-10	Rita Bates	Removing COE from front cover and revising OLA’s to SLA’s	1-4
1-7-10	Rita Bates	Revise layout	1-4
1-14-10	Amin Kassem	Made changes to content	1-4
4-5-10	Amin Kassem	Added EID and EAS Policy	1

REVIEW/APPROVAL HISTORY

This service catalog shall be subject to a review on an annual basis.

Date	By	Action	Pages
04/23/12	Amin Kassem	No revisions	