ITAC and You

UC IT Architecture Committee - UCCSC 2016

Formerly UC ITAG
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Why & Where

Cross-Campus Enrollment

UCPath - Data Standards

API Management (via API Subgroup)

Federated Identity Management (via UC Trust)

- Integrating Web Applications with Shibboleth by Eric Goodman from UCOP
How (Collaboration)

Via Monthly meetings
- UC EA group

Enterprise Architecture Artifact Reviews
- bi-monthly

ITLC updates
- Annually

UCCSC Face-to-Face

Inventory Surveys

EA Glossary

Webinars
What

Policies: http://policy.ucop.edu/

Defined at an enterprise level

Support architecture decision making

Principles

Standards

ITLC Decisions

Guidelines

Reference Architecture

Specifications

Data Models

Process/Procedures

Code Samples

Inventory Sheets

Checklists

Extended set of architecture assets

Data: Metadata Repository / Models
Technology: EA Repository
Application: EA Repository
EA Artifact Process

**UC (Anyone)**
- Submit Asset
- Rework/Refine

**Enterprise Architecture**
- Perform Initial Quality Checks
  - Minimum Standard Met?
    - Yes
      - Notify/Present to ITAG
        - Status: In Progress
    - No
      - Apply comments

**ITAG Member**
- Open for Comment (1-30 days)
  - Acceptable, Publish?
    - Yes
      - Publish EAA
        - Status: Published
    - No
      - Acceptable, Publish?
        - Yes
          - Publish EAA
          - Status: Published
        - No
          - Update EAA Status
          - Status: Rejected
          - Communication Process

**Location Stakeholders**
- Input from SMEs, stakeholders, etc.

Status:
- Submitted
- In Progress
- Under Review
Circa Q4 2014

- 009 Two-way SSL (Mutual Authentication)
- 008 Transactional (Restricted) Web Service Standards
- 039 PGP Encryption for files
- 013 SSH File Transfer Protocol Key
- 018 "Last Mile" security for Web Services
- 011 WS-Security 1.1
- 07 User Identification Attributes
- 006 Federated Authentication protocols (Cross campus)
- 007 User Identification Attributes
- 033 Password Complexity and Online Guessing Resistance
- 034 Credential Renewal/Password Reset
- 035 Password Storage
- 032 Account Owner Uniqueness
- Account
- Password Management
- Near Real Time Messaging
- Authentication
Circa Q2 2016

Data Principles
- EAA-025 Data is an Asset
- EAA-026 Data is Shared
- EAA-029 Data Access
- EAA-030 Data Stewardship

Security Principles
- EAA-023 Data Naming & Definitions
- EAA-031 Data is Secure
- EAA-044 Secure development and deployment of systems/applications
- EAA-045 Security compliance with industry standards and best practices
- EAA-046 Risk-based security

EAAF Principles
- EAA-040 Enterprise Perspective
- EAA-041 Compliance with Law

Business Principles
- EAA-024 Deliver Common Applications
- EAA-042 Business Continuance

Application Technology Principles
- EAA-027 Optimize Enterprise Information Technology Investments
- EAA-021 Deliberately Plan Technology Platform Variations
- EAA-022 Technology Independence and Portability
- EAA-051 Reuse and Leverage Services

- EAA-043 Management of enterprise systems
- EAA-020 Interoperability
UC TRUST

Subcommittee of ITAC

Mission - “provide input on design and implementation of identity management solutions for the UC system and to foster collaboration on IAM solutions among the campuses”
API Subgroup

Identify and propose standards, platform capabilities that support and promote the principles of “Interoperability”, “Reuse and Leverage Services Approach”, “Deliberately Plan Technology Platform variations” with respect to application integration platforms.
A Bit on the EA Glossary

- A great way to start and quell arguments on your campus around the meaning and understanding of EA and IT terms
- Over 5900 unique entries
- +1,100 pages crossed referenced
- Created and maintained by Bo Pitsker from UCOP
  - bo.pitsker@ucop.edu
A bit more on the Glossary

The Glossary targets terms and definitions from select subject areas, including but not limited to the following:

- Enterprise architecture
- Business, Data and Application architecture
- Infrastructure/technology architecture
- Security and identity management architecture
- Solutions architecture
- Risk, privacy, and compliance
- Project management
- Service management
- Record management
- Physical security
University of California, Information Technology Architecture Committee (ITAC)

The ITAC is a working sub-committee of the UC Information Technology Leadership Council (ITLC), and ITLC establishes our priorities and directions, and resolves questions regarding scope, strategy, and policy.

Our mission is to “establish the enterprise architecture and technology infrastructure necessary to promote and support interoperability and sharing of IT solutions among and between campuses.” (Foundation for Collaboration on Technology Enabled UC Solutions, Pillar II, March 2013).

We facilitate knowledge sharing and collaboration across the UC campuses, and work in concert with the UC Information Technology Services (ITS) Enterprise Architecture (EA) Team, to inform and enable reuse of the UC EA Body of Knowledge (EABk). We support implementations of UC-wide initiatives, and can assist each UC location with discussion and review of the variety of artifacts available in our EABk.

EA Resources

EA resources can be leveraged by any UC location as they design, develop and deliver a shared service for multiple locations across the UC system. These resources include the EA Artifact Framework, the EA Glossary and the EA Body of Knowledge (EABk). (Access to all these resources requires separate login.)

EA Artifact Status

EA artifacts represent common practices and technologies across the UC system, and include principles, standards, guidelines, reference architectures, business process models, logical and physical data models, metadata, application portfolios, best practices, procedures, and more.

ITAC representatives facilitate the review of these artifacts at each UC location, confirm CIO adoption, and assist with conflict resolution and communications at their respective locations.

IT Checklists

IT Checklists are available to UC IT Teams, and can help identify and confirm the various components that enable quality service delivery and operational support. The checklists cover a variety of domains - applications, data, technology, and security. Feel free to download any checklist and modify as needed. If you make modifications please send a copy to ITAC so that we can make them available to others.

Other Initiatives

The Agile Computing Workgroup is comprised of IT Subject Matter Experts across the UC System, and is lead by Chuck Rowley, CIO at UC Riverside. The goal of the workgroup is to...

The API subgroup of ITAC will identify and propose standards, platform capabilities that support and promote principles with respect to application integration platforms...

List of initiatives that ITAC and EA resources have been and/or are participants of...

Welcome to the ITAC Wiki

This wiki space is where you’ll find information on the various initiatives and activities of the EA and ITAC teams.

- About
- Charter
- Communications
- Documentation
- Meetings
- Webinars
- Membership
- Roadmap & Requests (Archive)
- WikiWorks (login required)

Please note that some of our content is available only to University employees.

If you have comments, suggestions or requests, please contact your ITAC representative or the ITAC Chairs.

Weekly Conference Calls

- Every Friday (excluding holidays): 10-11am
  - 1st week - General
  - 3rd week - Leadership
  - All others - EABk Reviews

Please see our Meeting Agendas and Notes for more information.
UC Enterprise Architecture Body of Knowledge

The assets in the repository have been developed and reviewed by ITAG members and CIOs from across the University of California. We recommend using the assets as appropriate and as frequently as possible when implementing technology solutions. Systemwide use of the assets increases the interoperability and reuse potential of technology investments made and this improves our overall efficiency.

Use the "Artifact Views" navigation link to the left to access published Architecture Assets.

Please contact your local ITAG (IT Architecture Group) member if you have questions on appropriate use or have an architecture asset that you would like to contribute.

A document describing the Enterprise Architecture Asset Framework is available here.

Diagrams depicting the Principles and Standards (circa November 2014)
Getting Involved

- Want to learn more about an existing EAA/standard or practice?
- Do you want/need a new EAA/standard developed?
- Need architecture input for a project, proposed application or vendor solution?
Getting Involved

Example: Want/need a new EAA/standard developed

Joshua Van Horn - UC Davis

*EAA-065 Event Logging and Management*

Lakshmi Dasari - UCLA

*EAA-008 Web Services for Restricted Information*
# Getting Involved - Find your ITAC Rep

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Deep Dive - EA Security Principles and Standards Review
Much More Online

Check out the wiki:
https://spaces.ais.ucla.edu/display/ucitag/

Questions, Comments -> Contact ITAG:
ucitag-l@listserv.ucop.edu
QUESTIONS?