IT Architecture and Infrastructure Committee
9:30-11:00 a.m., April 8, 2016, FAC 228D

I. 9:00-9:45 Administrative Systems Modernization Program Technical Architecture – Update
(Julienne VanDerZiel, Eric Weigel)

II. 9:45-10:15 Research Computing - Overview (Dave Pavkovic, Trice Humpert)

III. 10:15-10:30 IT Roles Task Force – Update (James Lewis)
Administrative Systems Modernization Program (ASMP 2.0)

Technical Architecture Implementation (TAI) Plan Review
Agenda

- Refresh of Prior Presentation/Plan
- Current Status
- Service Availability
- Architecture Review Board
- Questions
The New Technical Architecture
Our Mission:

• Provide production and development environments that support cloud, package, and custom applications for administrative units and their interfaces.

• Provide an administrative systems Technical Architecture that is component-based, flexible, predictable, resilient, secure, and scalable.

• Allow University developers to focus their IT skills on solving business problems, not figuring out architecture, tools, and environments.

• Follow ITIL and CMMI practices to build environments, processes, and tools that support these goals.
Key Processes: Service Deployment Methodology

1. **Identify**
   - Service Capacity Management

2. **Acquire**
   - Define Operational Process
   - Define Institutionalization Process

3. **Deploy**
   - Early Adopter Implementation
   - Sunset

4. **Prepare**
   - Refresh of Prior Presentation/Plan

---

The University of Texas at Austin

WHAT STARTS HERE CHANGES THE WORLD
The New Technical Architecture:
2020 Administrative Systems Technical Architecture
Current Status

• Service Offerings: 29

<table>
<thead>
<tr>
<th>Category</th>
<th>Count</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not Started</td>
<td>7</td>
<td></td>
</tr>
</tbody>
</table>
| In Progress   | 20    | 6 in Alpha  
Workload Automation,  
ESB, Messaging, API Registry,  
Zenoss, Splunk                             |
| Live          | 1     | Storage                                                                 |
| Deferred      | 1     | Backup and Restore, 90% being met today.                                 |
| **Total**     | **29**|                                                                          |

Document Generation – specific use cases are being evaluated  
Backup/Restore of physical servers was deferred
Service Offering Availability Dates
April – Dec 2016

- Enterprise Service Bus
  - Message Broker
  - API Registry
  - Availability Date: 6/16/2016

- Electronic Signature
  - Availability Date: 6/13/2016

- Binary Repository
  - Availability Date: 8/31/2016

- Version Control
  - Availability Date: 10/19/2016

- Requirements Mgmt
  - Availability Date: 10/5/2016

- Issue Tracking
  - Availability Date: 10/11/2016

- Electronic Content Management
  - Availability Date: 9/23/2016

- Image Capture
  - Availability Date: 9/29/2016

- Development Environment
  - Availability Date: 12/22/2016

- Monitoring: Data Collection & Data Analytics
  - Availability Date: 8/1/2016

- Load Balancing
  - Availability Date: 11/11/2016

- MySQL
  - Availability Date: 6/1/2016

- MS SQL
  - Availability Date: 6/1/2016

- Workload Automation
  - Availability Date: 7/18/2016

- Oracle
  - Availability Date: 4/29/2016

- VPN
  - Availability Date: 4/1/2016
Service Offering Availability Dates
Jan – Dec 2017

Continuous Integration
3/1/2017

Document Generation
2/8/2017

Code Quality and Testing
9/2/2017

Portal
9/1/2017

Monitoring (Advanced)
4/17/2017
• The Architecture Review Board (ARB) is operational!
• Meeting since Sept. 2015
• ITS and non-ITS members
• Guests are welcome
• Approved eight service owner presentations
  – Each service offering presents twice
    – 1st Visit, after identity and capacity planning
    – 2nd Visit, prior to deployment
• Completing supporting work driving standards
  – Uptime Calculator
  – Security at all Layers
# Architecture Review Board

<table>
<thead>
<tr>
<th>Name</th>
<th>Organization</th>
<th>Term Expiration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adam Connor</td>
<td>Financial Information Systems, ERP Technical Team</td>
<td>Standing Member</td>
</tr>
<tr>
<td>Cam Beasley</td>
<td>Information Security Office</td>
<td>Standing Member</td>
</tr>
<tr>
<td>CW Belcher</td>
<td>Identity and Access Management</td>
<td>Standing Member</td>
</tr>
<tr>
<td>Eric Weigel</td>
<td>ASMP Enterprise Architecture / ITS Systems</td>
<td>Standing Member</td>
</tr>
<tr>
<td>Graham Chapman</td>
<td>Technology Resources</td>
<td>Standing Member</td>
</tr>
<tr>
<td>Jeff Adkins</td>
<td>TAI Architecture</td>
<td>Standing, Non-Voting Member</td>
</tr>
<tr>
<td>Julienne VanDerZiel</td>
<td>ITS Applications / TAI Tech Arch</td>
<td>Standing Member</td>
</tr>
<tr>
<td>Ladd Hanson</td>
<td>Center for Teaching and Learning</td>
<td>Standing Member</td>
</tr>
<tr>
<td>Michael Cunningham</td>
<td>Data Center</td>
<td>Standing Member</td>
</tr>
<tr>
<td>Trice Humpert</td>
<td>ITS Systems</td>
<td>Standing Member</td>
</tr>
<tr>
<td>William Green</td>
<td>Networking</td>
<td>Standing Member</td>
</tr>
</tbody>
</table>
Questions?