SUMMARY FOR UNIVERSITY IT INFRASTRUCTURE PORTFOLIO

DATE: September 19, 2013
TIME: 2:00-3:30 p.m.
LOCATION: Marriott Library Boardroom

IN ATTENDANCE:
Steve Corbató  Trevor Long  Mike Ekstrom  Steven Dean
Dan Bowden  Jim Livingston  Nelson Beebe  Brent Elieson
Mark Beekhuizen  Sylvia Torti  David Blackburn  Dan Hutten

COMMITTEE SUPPORT: Josh Wall, Anita Sjoblom, Amber Angell

UNABLE TO ATTEND:
Cynthia Furse  Eric Denna

AGENDA ITEMS DISCUSSED:

• IAM/CIS update
• IP address governance – network architecture redesign
• PCI update
• Kuali initiative

Meeting opening notes
• Sylvia Torti chaired the meeting.
• The committee unanimously approved the July 18 meeting minutes.

IAM/CIS update
Two active projects were discussed:
• The LDAP schema consolidation to increase data refresh. Tests have not seen problems with ongoing five-minute updates. The target is to have delivery of consolidation completed by Oct. 15, 2013.
• The Grouper pilot is tailored to specific use cases for UIT SharePoint and Unix groups with an open-source tool. Delivery is expected Nov. 1, 2013. The National Science Foundation is to partially fund it. The solution is hosted in a VM cluster for redundancy but is not replicated at a remote site. AD is not part of the LDAP or Grouper activity.

The Identity and Access Management project for the next 12 months will re-focus efforts on vulnerability and security requirements as prioritized by Chief Information Security Officer Dan Bowden. Multi-factor authentication and password resets are considered key to the success of the project. Mike Ekstrom is requesting approval for a project manager to manage the Identify and Vulnerability Management initiative.

UIT IP Address findings
Security is the driver to move forward with the cleanup of IPv4 and develop solutions to manage IP
addressing well into the 21st century to include defined IPv6 phase one implementation plans by October 2014, Security Taps, DNS, etc. The recommendation is to assemble a task force to propose a reasonable plan the make IPv4 manageable for the next six years and to define IPv6 phase one. Eckstrom suggested the following active members for the task force: Mark Beekhuisen, Brent Elieson, Matt Irisk, Walter Scott, Tim Urban, Steve Dean, Jason Genovesi, and Sylvia Jessen. Suggested advisory members were Nelson Beebe, Joe Breen, and Kevin Quire.

At the next meeting, the Infrastructure Portfolio team will be asked to approve the identified task force to move forward with creating recommendations on risks and options for managing IP addresses to ultimately be presented to Operational IT Committee (OITC). Eckstrom also identified the necessity to obtain additional staffing for the IAM/Vulnerability project and recommend it to the OITC.

**IP address governance — network architecture redesign**

Dan Bowden shared concerns over the inability to completely remediate malware vulnerabilities. The situation is magnified because of a lack of IP governance on campus, which results in accuracy issues for reporting vulnerabilities. Password expirations were turned off with plans to apply new compensating controls, which were never realized. The ISO team is looking at tools that would assist with education and training.

Bowden is recommending UIT pursue parallel IP address governance and cleanup efforts to include aggressive cleanup and an IPv6 Plan. Also, he is recommending turning back on password expiration and deploying multi-factor authentication efforts for specific applications, to include implementing tools that require registration of all devices for their unique MAC addresses. The portfolio needs to determine what additional resources are required to handle the NAC Tool and move data into a central configuration-management database.

**PCI Update**

The overall status is “yellow.” Efforts are underway for campus merchants’ PCI servers to be relocated at Downtown Data Center. There has been a significant reduction in the PCI scope, as many merchants have decided to deploy point-to-point encryption, black boxes, and compliance with physical security of servers. The University must be compliant with the new standards by April 2014.

**Kuali Initiative**

Steve Corbató cited President David W. Pershing’s student-experience initiatives for improving student registration and degree planning as a driving force in the decision to use Kuali’s community-sourced solution. The priority is to develop Kuali Student Academic Planning (KSAP) as well as a Kuali front-end registration implementation. The goal is to roll out both by October 2014 for registration and as a tool for the University of Utah to provide data to assist with planning faculty loads and courses that students want to study. Current systems will be put in maintenance mode to free up resources to focus on Kuali. Leadership will establish long-term strategies regarding supporting systems for administration, students, and faculty. Other Kuali components to consider in the future include Financial, HR, Library, and Research modules.
### Action summary

<table>
<thead>
<tr>
<th>Action</th>
<th>Topic</th>
<th>Person/Group</th>
<th>Next step</th>
</tr>
</thead>
<tbody>
<tr>
<td>Action item</td>
<td>Vote to add staffing for the IAM/vulnerability project and recommend it to the OITC</td>
<td>Portfolio</td>
<td>The vote will be taken by the Oct. 17 meeting.</td>
</tr>
<tr>
<td>Action item</td>
<td>Vote on whether to implement password expiration and/or multi-factor authentication for specific applications</td>
<td>Portfolio</td>
<td>The vote will be taken by the Oct. 17 meeting.</td>
</tr>
<tr>
<td>Action item</td>
<td>Vote on task force members to develop and recommend standards for IP governance</td>
<td>Portfolio</td>
<td>The vote will be taken by the Oct. 17 meeting.</td>
</tr>
<tr>
<td>Action item</td>
<td>Share IPv6 article links with team</td>
<td>Nelson Beebe</td>
<td>The links will be shared before Oct. 19, 2013.</td>
</tr>
</tbody>
</table>