

## ITCC Meeting Minutes February 12, 2014

Attending: Thomas Vojta, Cheryl Ahrens, Dan Uetrecht, Gerry O'Brennan, Nicholas Fouche, Greg Smith, Meg Brady, Maggie Trish, Mark Bookout, Brandi Klein, Maciej Zawodniok, John Bax, Al Crosbie, John Singler, Abhijit Gosavi, Andreas Eckert, David Esping, Jeff Schramm, Max Tohline, Jim Turner, Behzad Talaei, Richard Dawes, Lori Duncan

Meeting called to order at 4:01 PM.

1. Approval of November's minutes.

Motion to approve by Jeff Schramm and John Singler 2nds. Unanimous vote to pass.

2. Crash Plan - personal backup solution (Dan) <http://www.crashplan.com>
  - o Proof of concept for 25 users for 1 year- no cost to user during POC, unlimited data. IT will cover cost of proof of concept. IT will download the software onto your computer for you. Unlimited storage – 5 machines can be backed up through the one client.
  - o Ready to begin pilot, need 25 users, how do you want to proceed? Dr. Vojta will send out an email to the ITCC group to get volunteers.
3. Data center consolidation (Dan/Greg)
  - o Project to consolidate data centers within the UM System into 2 large active/active shared data centers. Campuses will retain small data centers for services that must be run locally.
    - i. Columbia Telecom data center
    - ii. Market analysis showed costs too high to lease space, will select a campus data center as secondary for now.
  - o Five projects have been identified for FY15 budgeting
    - i. Data center market analysis - set data center requirements and evaluate opportunities, completed but team will evaluate and make recommendation for selection of second data center within UM.
    - ii. Security - standardize and consolidate security technologies, processes and operations.
    - iii. Unified Networking - determine requirements, technologies, processes and operations of network to support new shared model.
    - iv. Core Infrastructure - determine requirements, technologies, processes and operations of IAAS infrastructure as a service for the new shared model.
    - v. Core Services Catalog - reduce duplication of effort to gain efficiencies, address project work and reduce costs. Create centers of excellence for IT services.
  - All five projects have been approved to move forward.
  - There should be minimal impact on faculty & students.
  - Mainly affects IT Networking team.
  - There is plenty of bandwidth to handle this project.

4. Research Technology Days - new format & agenda (Mark/Greg)

We have used last year's comments to help shape this year

3 Core Areas:

- a) HPC/Research computing
  - a. Anchor participants: University of Nebraska and Oklahoma
- b) Visualization
  - a. Anchor participants: Indiana University and TBD
- c) Additive manufacturing
  - a. Anchor participants: Missouri S&T and TBD

Each area will have a hands-on workshop. We are building in a lot of networking opportunities with other universities as well as corporate organizations. Lots of food, wine/beer tasting, fireworks & new this year will be a concert for students (and others) after the fireworks.

5. Software licenses - new campus licenses for Adobe, etc. (Cheryl)

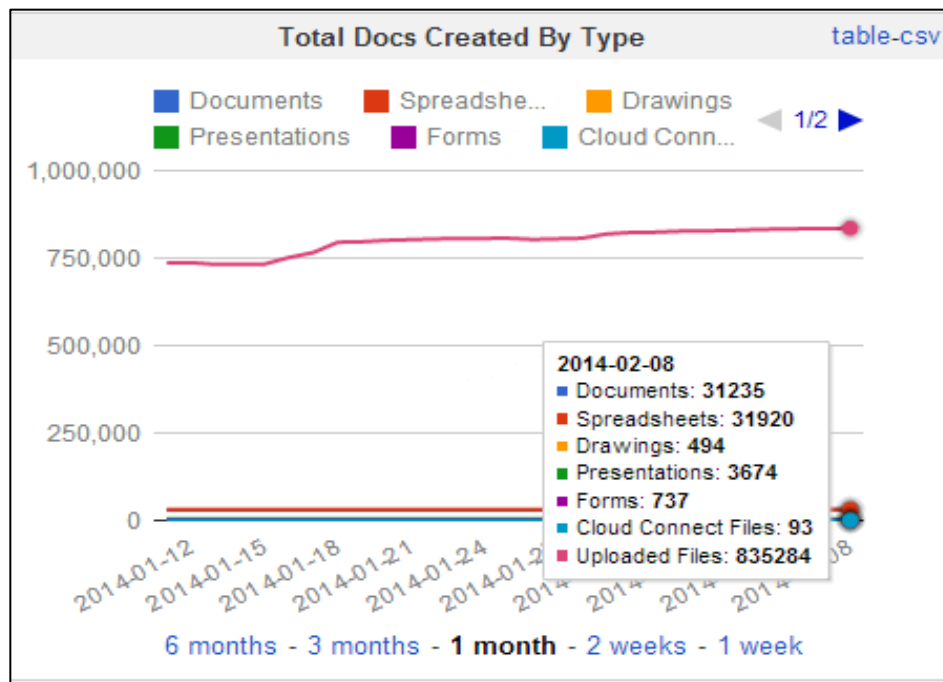
Adobe - A year ago we were approached by UM about participating in an enterprise licensing agreement with Adobe for the S&T campus. It includes Acrobat Professional and Creative Cloud Suite software. Creative Cloud software has a cost of \$100/year and is a subscription based licensing structure. The suite of software includes: Dreamweaver, Illustrator, InDesign, Photoshop, Premiere, After Effects, Audition, Bridge, Encore, Fireworks, Flash Builder, Flash Pro, In Copy, Light Room, Media Encoder, Muse, Prelude and Speed Grade. This list can be found on the IT website at <https://it.mst.edu/services/software/campus/>

6. Research Support Staff updates (Mark/Greg)

We now have 4 full time staff members. There is a greater sense of collaboration with the other IT teams to assist with projects.

7. File Systems - local & cloud (Dan)

- o Campus provided
  - i. DFS - fully backed up also supports previous version with user driven recovery. Remote access via SFTP or via VPN for CIFS.
    - 1. user volumes / home directories 25GB, max 50GB
    - 2. departmental volumes 200GB, max 1TB
    - 3. research volumes 500GB, max 1TB
    - 4. ~44TB used in DFS and about ~89 million files
  - ii. Research storage on the cluster
    - 1. 40TB scratch space, purged after 45 days, no backup
    - 2. support dedicated storage procured by researchers
- o Cloud based remote access via Google Drive
  - i. Google Apps for Education
    - 1. Unlimited for Google Docs format files
    - 2. 30GB per user for other files



## 8. Other IT updates

- Wireless

- i. Library will get 11 802.11AC WAPs connected at 1G to a 10G redundant connection back to the core. First 10G redundant connected building.
- ii. Phase 2 to increase coverage in classroom spaces and cover dead areas has begun with a vendor engagement.
- iii. Replace classroom 802.11n units with 802.11ac ([http://www.arubanetworks.com/pdf/technology/EB\\_IEEE80211ac.pdf](http://www.arubanetworks.com/pdf/technology/EB_IEEE80211ac.pdf))  
802.11ac provides higher user density, faster throughput Gbit+, greater range). Will require 1Gbit connections to APs so we will need to upgrade some edge and aggregation switches.
- iv. Had repeated hardware issues with M3000 controllers, Dell upgraded them to new 7220 controllers. Those have now been deployed.
- v. Purchased 100 802.11AC units and will begin deployment
- vi. Network Access Control status. NAC is up and running on ResNet wired network and will be activated on the wireless ResNet network soon. Working with Res Life on deployment.

- Blackboard Update – we still have not made a decision on whether or not to replace Bb. We are still looking at other options. We have had a few on-campus demos last year. If anyone wants a demo specifically for their dept, let Jeff Schramm know. There is no immediate timeline for the decision. We are still in the info gathering stage. After next week's meeting we should have a better idea on a timeline. We would prefer to have a decision by the end of this semester. [blackboardreview@mst.edu](mailto:blackboardreview@mst.edu) has on-going info. License cost alone is approx. \$94K/year for software only. Support & help costs are significantly more.

- TLT Conference is coming up on March 13 & 14. See handout. There is no cost, but registration is necessary. Student Engagement is the theme this year. A lot of participation from neighboring states & Michigan Tech. Day 2 will focus more on our own faculty & their accomplishments.
9. Faculty Accomplishment System (Thomas Vojta)
- A product has been chosen – Faculty 180. Wayne Huebner will be the one to lead the charge for this implementation. He needs people to volunteer to be a part of this. Contact Wayne if you are interested.

Meeting adjourned at 5:01PM.