

IT Managers Meeting
November 1, 2006
FAMB Room 202

Pre-mtg presentation (12:20 - 12:50 pm)

Dell-AMD - John Parady
email him at John_Parady@Dell.com
Dell will provide lunch.

Regular meeting (1:00 - 2:30 pm)

1. IT Updates

a. Wireless update

Hotspot is now working in pre-deployment. The Clean Access server will be 3-4 hops away from the APs, because traffic goes out using MPLS to the campus WAN router then and then back in to the University. It looks just like you're on Comcast. The addresses given out are all in the 204.99.x.x ip space. Later today we'll bring it up on Trapeze gear in Union. If you want it, call the Help Desk and open a Troubleshoot. If you don't have Trapeze gear, Tim can get a VLAN configured on your demarc switch. Secure.utah.edu will continue to be available on OIT-run APs through the end of the year and we suggest that all department-run APs stop broadcasting it then, too. Some departments may take a little longer (same with insecure if there is a real need.).

Dan H: There is a rumor about additional funding for Trapeze wireless? Bryan: Steve Hess has a commitment for all academic depts. To replace hardware with Trapeze this year or next. We want to handle areas with faulty equipment first. Send email to Bryan at bryan.morris@utah.edu. First priority goes those that put in the request, then those who have already started moving that direction.

b. ITC October update – Kevin Taylor

- i. Go to Plans and Policies on the IT website. You'll find this year's approved Campus Plan. It's a living document – send your suggestions to Kevin Taylor.
- ii. Budget system: agreement with new system. Hospital will be first campus org to get on it; it will ultimately replace BRASS.
- iii. Last years' SCAC proposals: coming out soon. The SCAC committee screens them, then they go to ITC in April. Some question about the form. A few of you are directly involved in this process; please pick up a copy and let us know what you think about the form.
- iv. December ITC agenda not out yet.

c. Call for eClassroom proposals

eClassroom request forms now available – can be done completely online this year at <http://www.ims.utah.edu/electronicclassroom.html>. Deadline is Dec. 15th. Scope of funding? Call Helen Lacy for that info.

2. ISO block – Steve Scott

a. Updates: gave Richard Glaser (SCL) movie tickets for being the local Mac expert, and for always being security aware.

- Good news half of Windows computers have Trojans (less than 68% last year).
- Bad news - Stealth malware that is 100% undetectable has been developed using virtualization by Joanna Rutkowska.
- Wireless: hotspot won't need to be filtered per our lawyers. We will still limit p-2-p. Our wireless network will fall under CALEA – not private, but the University network in general probably doesn't fall under CALEA. We will have to provide law enforcement access to logs if requested, but we don't have to identify users.

- b. hping : Writes raw packets. Gives you the ability to see if a specific service is alive by creating a specific packet. Must have root access because you are crafting raw packets. Interface is simple (terminal window). You can Use hping like an nmap scanner. See www.hping.org.
- 3. Process to get OSL to purchase software for resale – Craig Bennion
See [Craig's ppt slides](#)
- 4. Software license management (concurrent vs. single user) Forum
 - a. Variations of the EULA - Craig Bennion
[see ppt slides](#) . . . Question: campus license agreement will make use of the Key Management option. Constant audit machine. Some things about Key Management service are still unclear. Multiple servers, dependent on how the department licenses the software. Each server has it's own key? One server with the agreement . . . unclear on if that is just one for the entire campus or one for every department who signs up on the campus agreement. Adobe software will also begin using this model, and other companies. More information to come as it becomes available.
 - b. Department solutions
 - i. Richard Glaser, SCL, Marriott Library – KeyServer by Sassafras ([see pdf presentation document](#))
Would people use this if campus had a central KeyServer? Response: about 12 raised hands.
 - ii. Martin Cuma, CHPC - UNIX solution
For non-widely used software (for CHPC users). Two different ways they do licensing. Many of the licenses are for highly specialized, computational software. Example 1: Buy the program, then you have to know what you're doing. No buyers' protection. Example 2: own license servers - CHPC has a dedicated license server machine for proprietary licenses - accessible thru CHPC IP space. Most CHPC licenses use a management software package called "FlexLM" which is more primitive than the KeyServer package Richard presented (no GUI interface, etc.) The right to use the license server is included with the software license fee so there is no additional fee to run the License Manager. One example is Matlab. If you buy a single user license or full network license it must check for the FlexLM license. When starts up, it checks for the license file either installed on your local machine (single user license) or it points to a server where the license is checked (full network license). In the case of the full server license, FlexLM keeps track of all licenses used (concurrent use). This works well for specialty applications rather than widely used software (Windows). Network pooling could be applied at a campus level. In the case of Matlab, the network license is much cheaper than the multiple individual single user licenses because they may be shared. FlexLM is command line oriented. When they buy new software, they just add the license info to the license file and restart the server.
 - iii. Software virtualization? (Supposed to be quite insecure.) ITS indicated differently. Softricity will be interesting to watch . . . Zenworks (used by Business School) . . . metering is lacking. Any typical fat installation that should be run locally is a problem.

Next month: want to have some fun. Geek stuff . . . cool toys. Will put out the request for input to the list, and will definitely get Dave Packham to present. Will look at the cool stuff that we usually don't talk about. No vendor presentation in December. We will have something of a Christmas party.

(Sorry I wasn't there with cookies.)