



### **E-science Task Force**

- The task force is charged with carrying out the following assignment:
  1. Investigate and identify critical developments nationally and globally related to cyberinfrastructure, E-Science, and their evolving standards.
  2. Discover and describe the needs and expectations of the Columbia research community, and the current state and future development of cyberinfrastructure and E-Science at Columbia.
  3. Develop a plan of action for Columbia to manage and sustain support for E-Science more effectively, including appropriate policies, resource requirements, and organizational strategies.
  4. Develop a plan of action for Columbia to achieve a leadership role in E-Science, including funded research, the development of new strategies and tools, scholarly discourse on cyberinfrastructure, and educational programs.
- The cuhs-sa listserv address will be shared with the task force as a way to contact IT groups in order to find out information about existing clusters, data centers, etc.

### **UNI and Email Access**

- Staff at HICCC had recent problems finding out about Columbia Email access, some of the staff needing CU email were NYP employees.
- The DIA system that was implemented last year put all UNI account processing in the hands of DAs/departments. The information that is entered by each department when an employee is hired grants access to Columbia email and other privileges.
- Casual and NYP employees will not automatically be given the same access to resources as full time Columbia staff.
- The person within a department that can post jobs should be the person that can enter and change this type of access.
- There is a DIA support group that can assist those who create UNIs if they have questions or problems, however the staff with this access should already know how to request help.
- 5-Help no longer has any access to process UNI accounts.

### **Allscripts Project**

- Stefanie Bruemmer, the Senior Project Manager for Allscripts, attended the meeting to give an overview.
- Allscripts is a vendor that will be providing software for Electronic Health Record purposes at CUMC clinical sites.
- Information on hardware at clinical locations must be inventoried to confirm. Required specifications will also be distributed to help with this.
- If necessary, site visits may be performed to help with inventory.
- Hardware inventory reports should include the system's make, model and age.
- Printers must be network rather than local.
- Stephanie will email the cuhs-sa listserv to initiate communications; anyone on the listserv that is not involved in clinical system support can disregard these messages.
- Allscripts implementation will involve three levels of control:
  1. Exam Rooms
    - Systems located in exam rooms will be completely locked down to protect patient/sensitive data.
    - This will also allow for central support and SLAs giving these systems high priority.
    - Leased systems will probably be recommended.
    - The systems will provide direct access to Allscripts.

- Any other programs that need to be used/installed on these systems must be reported.
- 2. Consult Rooms
  - These locations could include physician's offices.
  - Access on these systems would allow for saving files and other functions that do not require administrative rights on the computer.
  - Citrix access to Allscripts will be provided.
- 3. All others
  - Systems will include shared office computers, physician's personal computers, etc.
  - Citrix access to Allscripts will be provided.
  - The SLA for these systems would not be set, as various IT support staff will be managing them
- ActiveX, Google and Yahoo toolbars can conflict with Allscripts.
- Macintosh systems would be classified as level 3, whether using dual boot/Parallels etc.
- Future upgrades to Allscripts may make some level 2/3 systems incompatible, support may not be guaranteed due to this.
- The exact SLA for level 1 is not yet defined but the need to keep these systems available and provide fast turnaround are understood.
- There is an enterprise license agreement with Citrix but a count may be required as it is based on concurrent users.
- The Dental School may be interested in sharing a Citrix server license.
- The current timeline is to have the first alpha site (2 locations) live by January 29<sup>th</sup>, 2009. Beta sites will follow, then 15 practices a month will be set up beginning March 2009 with completion date set for March 2010.
- A practice is defined by site, whether this is a group of doctors working at the same location or a different environment.
- Practices that are not on the campus network are not supported due to firewalls and other network configurations that may require special configuration, similar to current IDX use.
- Anyone with questions can reply to Stephanie's email to the cuhs-sa listserv.

#### **Aubobon-III Data Center Plans**

- John Wofford provided an update on the project.
- The Data Center is 2000 square feet with 87 racks; however power constraints are the primary issue determining available resources.
- A power line upgrade to the building from ConEd would be cost-prohibitive.
- Approximate breakdowns are 660 watts total, with 220 going towards cooling, lights, etc.
- Most of the remaining power will be consumed by C2B2.
- These initial estimates attempt to give leeway but it is still expected that there will not be much additional power to house other resources.
- The estimated completion time was pushed back from June to mid-July, with the cluster going in shortly after the room is ready.
- Efforts are being made to standardize racks and PDUs. It may be possible for others using Data Center space to manage their own PDU if desired.
- The generator at the Data Center location is on the 11<sup>th</sup> floor, it was cost prohibitive to run a power line from this floor. UPSs will be used instead.
- During any power outages, the clusters will be killed and critical applications will remain up. The current design allows for 20 minutes of up time *at full power*.
- Much of the space vacated due to the new Data Center has already been put to use.

#### **Desktop Management: Standardized Desktops/Laptops**

- Charlotte Nichols presented updated information on Dell's CFI program, which can be used to order systems with pre-installed images.
- Images created for the CFI program by CUMC IT include a version with standard applications used by DAs/Admin and one for general support staff.

- Recent software updates may need to be run on these systems when they arrive, but otherwise they would be ready to be used immediately.
- The program starts in May. If any departments have specific apps or configurations that they'd like to use for CFI, please contact Charlotte.
- Using CFI allows IT staff to quickly re-image systems via a DVD with the same configuration.
- There is no charge for this. The current model being used by CUMC IT is an Optiplex 755 desktop with 3 GB of RAM, approximate price is \$950.
- Any Dell model can be chosen for the program if a department/IT group prefers.
- Multiple images can be set for one make/model to accommodate different groups of users.
- This provides an easy way to standardize computers despite a variety of user needs.
- The images can be updated monthly to account for software patches, etc.
- CUMC IT is also an Apple self-certified Service Center and can be used to order and repair Macintosh systems that are under warranty.
- There is no additional cost for Apple repair, the agreed upon fees/SLAs for CUMC IT field technicians do apply.