



**CUMC HIPAA and SSN Asset Identification Project**

- Department Administrators are being contacted to inventory and report electronic resources (applications, any file storage device) that may contain PHI and SSH data.

**Site Licenses and New Services**

- Many at CUMC use SQL, a shared license should be researched.
- A site license for Oracle is in use.
- Exchange accounts are now available, the cost is \$30 per person per year.
- The CUIT Exchange server is hosting these accounts, and became available due to an equipment trade. Anyone at CUMC requiring an account should contact the CUbhis Service Desk.
- Departments that do a lot of scheduling with the Dean's office/Administration should avoid moving from Oracle Calendar until further notice.
- Blackberry handhelds can be purchased via CUIT to be used with Exchange – there is an additional processing fee on top of the device's cost.
- The Exchange account is not the same as the Columbia email account, therefore Columbia email should be set to forward to Exchange. It is not possible to forward the Exchange account to Columbia.
- Connected Data Protector for PCs is available. This allows individuals to perform scheduled and manual backups of their work computers, in addition to restoring files on their own.
- Connected DP provides a minimum of 5GB per account, but this can be pooled within a department/divisions. Exchange accounts receive 500MB of storage each.
- Pricing is \$30 per year for an Exchange account; Connected is \$175 for the first year (per desktop), \$125 per year after the first year
- Anyone requesting both Exchange and Connected Account at the same time receives a discount on the combined services: \$200 for the first year, \$150 per year after the first year.
- No Exchange server site licenses are available.
- Anyone currently using an Exchange account on another domain should be able to easily transfer their data to the CUbhis managed Exchange.
- Anyone looking at LAMP (Linux, Apache, MySQL, PHP) services should email Charlotte Nichols for details. This is currently shared by the Libraries downtown.

**UPDATE on LAMP** – access to a dedicated LAMP server can be obtained from the Web Design Studio. Information and a request form are at [http://www.cubhis.org/wds/php\\_account.html](http://www.cubhis.org/wds/php_account.html)

**IP Administration and Network**

- Bluecat has been selected by CORE for IP management. It should be implemented by the end of the year, information on its progress will be shared.
- Recent network issues in Bard Hall were caused by a Spanning Tree loop problem. This was tangentially related to the set up of the Bradford network access control device.
- Bard is currently the only location that has more than a few switches in a VLAN, which made it much more susceptible to looping.
- Milstein, PH and HIP also experienced recent network problems.
- CORE has been working to prevent issues with routing loops and expects to have completed all of the preventative work in the next week or two.
- Routing tables have become much more complex as the network has grown, with many more devices are hitting the tables for approval and updates.
- Access to create and manage IPs by staff/groups other than CORE will be planned with a concerted effort to meet CUMC business needs.

- Contacting 5-Help for updates on IP registration (and other services) is still the best policy. A User Services Coordinator position has been in place to aid as well as proactively target requests that are over their SLA.

### **Bradford Tool**

- Bradford is a network access control tool being implemented in Bard Hall and the Towers.
- It will scan computers connecting to the wired network at those locations prior to their being given access to the full network.
- 3 VLANs are in place for Bradford – registration, remediation and dead end. These respectively allow for limited network access during the computer's registration process, if the system needs to visit approved security sites such as Symantec for updates, and a site for systems that have breached Bradford/network security policies.
- The tool works at network layers 2 and 3.
- Registration is via an authenticated UNI account. Bradford then pulls and ties the computer's MAC to that UNI.
- The computer then downloads a dissolvable agent which scans for basic security settings: current OS updates and working/updated antivirus and antispyware programs.
- The scan takes less than a minute (much less on average).
- A successful registration updates the MAC to QIP and gives the system a dynamic IP address, allowing it to use the wired CUMC network immediately.
- Failed registration puts the computer on the remediation VLAN, with specific details on the reason for the failed status displayed in the computer's web browser.
- Student systems at these locations must also re-scan every 72 hours. This window of time was tested during a CUMC summer session and was found to be acceptable by students.
- Non-student systems at these locations are being identified in advance to be whitelisted/not managed by Bradford.
- The Bradford scans allow us to enforce policies that are already in place and help prevent virus/spyware incidents, with a 65% decrease in calls to the Service Desk found during the summer trial.
- The goals with Bradford are to allow for faster network registration and reduced security incidents.
- Depending on the results at Bard Hall and the Towers, Bradford may be installed at other CUMC locations.
- Bradford is compatible with all versions of Windows and Macintosh; other OSs "fail open" or are allowed by default. This is due in part to security settings that would become much more complex if other OSs were checked against network policies.
- Students can also register a system from offsite via the Bradford registration web page.
- MAC/system information can be expired via Bradford but is not yet in place. The policy under consideration would be a check every 90 days to un-register systems that have not been on the network in over 30 days.

### **Data Retention Policies**

- The length for Email retention is not currently known but will be researched.
- CUIT wipes discontinued Exchange accounts within a few weeks, but back ups may still contain account emails.

### **Upcoming CUSA Meetings**

- Upcoming meetings have been scheduled for the following dates: March 27, April 24, May 29 and June 26. All will be from 3pm to 4:30pm at the Merritt Conference Room.