RC All Hands Meeting Notes: February 8, 2011

Agenda Items Discussion:

- New authorization VPN system: To go live February 14, 2011. Password and login, surface and hardware FOB won't change. Iphone can carry one token at a time. System has been tested and it is in good shape. MCB, OEB, etc. will not be changing mounts. Cut internal resources and RC has been using it in production capacity for two weeks. Split tunnel function has been solved.

- NCF 2.0: Jeff Chang and Keith Herron are scaling out virtual machines. Going group by group, with full scale out by end of February.

- New compute and storage systems: Jerry Lotto and Chris Walker working on this project. Systems are cabled and ready to go. Imaging is currently taking place. ACL opens but no more physical work is needed. LUSTRE install starts February 8, 2011.

- EMCL Migration: MMR will be complete by February 11, 2011. The last one is currently in the process of being moved as is the backup system.

- Converse Planning: Planning is complete to extend rack potential. Next step is installation of hardware. Close to agreement between all parties involved to proceed to next steps.

- Schematic design for Holyoke released. James Cuff, Dave Sullivan, Leo Donnelly, Michael McBride, and Eric d'Souza reviewing plans to make sure all necessary components requested by Research Computing are present.

Round Table Updates:

- Arthur G., Math Department: Net apps up and running, and expansion of apps is underway. New server is looking good.

- Jerry Lotto, Research Computing: Craft cluster install at 1 Summer Street coming to a close. Last steps – getting things "lit up" or online currently underway. Future project in the pipeline: Converse Planning.

- Mike Ethier, Research Computing: At the end stages of solidifying AD mechanism with Brian M. Next project focus will be on devising a plan for the center wide down time at 60 Oxford Street, from June 10-12, 2011.
- Maggie McFee, Physics Department: In the process of adding redundancy to the server file system. Will be building a secondary file server. Also involved in recovering video.

- Anne Marie, Harvard Herbaria: Working with Arnold Arboretum to transfer data. One unplug achieved, one more coming up in the near future. Will need help with a new machine. Plans to build in more security into the systems and automate backups.

- Vincenzo Di Bernardo, CNS: Interlocking machines in labs with software. Halfway through this process with 180 instruments on two floors talking to each other. Implementing soft interlock with HCBI, as well as working with the microscope guys and key servers.

- Linda Ford, MCZ: Have gone live with images to EOL. NSF digitization continues. HUB side visit.

- Eric Mattison, Research Computing: Moved website from one server to another server. Plans to work on SPINAL project with Amir K.

- Amir Karger, Research Computing: CBS MRI has gone live on SPINAL – currently being used to make reservations. Plans to work on SPINAL issues such as creating some type of integrated finance software or system admin people can use to minimize work, as well as work on creating a system to help admin people in faculty searches.

- Alyssa Goodman, Physics Department: IQSS: data verse installation and WW telescope now live. Astrobites, web log for student astrophysics community is under development.

- Adam Malinowski, Research Computing: Working on app development project with Spear that involves microscopes and better data analysis. Plans for Windows migration during down time.

- Jeff Chang, Research Computing: NCF 2.0 is currently being rolled out. 120 members will be migrated. Prep work is complete.

- Jiangwen Zhang, Research Computing: Testing software. Trying to incorporate software into Galaxy and ParTek. Undertaking system training and request from OEB and SysBio.

- Matt McDonald, SSG: Working on universal desktop and IRIS mail migration. Simplified barrier network.

- Luis Silva, Research Computing: Focused on IRIS. Migrating MCB week of February 14th. Started to migrate aliases. In future will be recasting old DMC to improve stability.
- Chris Walker, Research Computing: Turned off SWELL. EPS has been migrated to Odyssey. New equipment will be coming: plate stacks and 240 bites.

- Matt Nicholson, Research Computing: EPS Iris migration complete. FTP server has been set-up. Digging out backups so new backups can fill old DMC.

- John Brunelle, Research Computing: Toolkit vision project underway. Project involves setting up cameras with facial recognition software in class so professors can better understand and react to student learning. Shift with ATLAS – moving some things around, need to mount and test.

- Keith Herron, Research Computing: Turned off Legacy VM – 30 virtual machines, 2 physical machines. Will be working on new provisioning system: Cobbler, Puppet, Cone, KVM, Kick-start – this will make virtual machines faster.

- Chris Fayhey and friend, FAS Security: Working with Brian M. on RSA migration. Need to reassess security situation as systems keep expanding. Must build more security walls.

- Brian Mantenuto, Research Computing: Active directory implementation done – need to migrate rest of the systems. Need to address the various cloud computing agents and create an aggregation point for one-stop access. Proxy would need to be built for this.

- Jeff Kuhne, Research Computing: FloJo and electronic lab notebook are being hosted. Looking to host SAS and Genomics software. Migration of all apps to new host for greater storage and performance in the pipeline.

- Claire Reardon, SysBio: Sequences are working. AD lists to manage instruments groups will be undergoing a slight overhaul. Wants to be involved in Amir's SPINAL project to make the system admin friendly.

- Brendan Haley, MCZ/Research Computing: Consolidating museum collections into database. Scripts are mostly done. Need to upgrade the system to the current system and perform storage mounts.