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Subject:	FW: ECE Computing Transition [MODIFIED]
Date:	Monday, September 12, 2011 1:00:00 PM

I met with Scott and we agreed where various system/responsibilities were over the list below. The following reflects the changes to the original email. Most notably, "grey" systems will be jointly managed by the ITSG and ECE Research, the email and mailing list server will go to the ITSG as well as the database server and Filer backup server. The RHEL installation server will go to the ECE research responsibility role.

ECE Research Administration

- AMDPOOL (amdpool-01, amdpool-02, amdpool-03, amdpool-04)
- PH314 (ph314-01 trough ph314-20)
- Research computational servers (zeno, foie, talisman, bhave-web, darius, rameses, xerses, black, blue, do, fa, green, grey, indigo, la, me, netdisk, re, red, so, tangerine, ti, violet, vision, white, yellow, bumba, focus, dul, hana, su, markov, beaker[VM])
- All CSL, VIA, and IIIV would remain supported locally by ECE as they are research servers and environments only with specialized requirements
- RHEL Installation Server (thor[VM]) – RedHat Kickstart server for building PH314 and amdpool systems

Joint Administration

- [ECE Primary]Storage Server (N3/N4) -- This mostly serves research and the instructional lab PH314, and AMDPOOL. The only bit that falls under non-research is the Windows server VMs and staff Z: drive space. Neither are significant in size with regards to the other data
    - Minor changes such as modifying exports can just be an email prior and after
    - Filer configuration changes, adding windows shares, space allocation changes, patches, requires coordination and agreement
    - Transitions to Research Support long term
- [ECE Primary]Virtual Hosts (vhost1, vhost2) – The majority of the VMs serve research, and research funds paid for a large chunk of these systems. The VMs that are non-research are destined for the CIT Virtual Server farm if they even continue to exist (Windows domain controllers will be replaced by the Central AD controllers, and file storage, SEP, and WSUS will be served by COECIS servers.)
    - Changes to configuration, creation/deletion of VMs, moving of VMs, access changes requires coordination and agreement
    - Transitions to Research Support long term
- [ECE Primary]Research License Server (flex[VM]) – We have a couple of licenses that did not work centrally that are used primarily for research
    - No change management required. Just email updates
    - Transitions to ITSG long term
- [ECE Primary]NIS Authentication Server (washu) – NIS authentication is only used for

research systems, ph314, and amdpool
    - No change management required. Just email updates
    - Transitions to research support when alternate account creation mechanism is done.
- [ECE Primary]Account Management Server (accounts[VM]) – Creates ECE NIS and AD accounts. The latter will be going away of course.
    - Changes to system configuration, access, etc. change/modification requires coordination and agreement
    - Account processing
    - Retires long term

ITSG Administration

- MacOS X (server and desktop)
    - Phillips Hall Display Mini-Macs (dgw1, dgw2, spansionone, spansiontwo, phduf1, phduf2)
- Windows 7
    - Teaching Labs (ph236, ph237, ph238, ph239)
        - Already converted to ITSG with exception of ph239
- Solaris 9
    - Old Flexlm servers (flexa, flexb, flexc)
        - Very old, one is reporting a fault
        - Licenses are being migrated to flex.engineering.cornell.edu where possible
        - Silvaco license does not support recent release of RedHat (only 3 and 4)
- Linux
    - RedHat/CentOS
        - Network Management Servers (cthulhu, janus, blaze[VM])
            - Cthulhu and janus are DHCP servers
            - Blaze is network registration servers
        - FAST Server (speedy)
        - Web Servers (elwood, plato)
            - Elwood – www, intranet, webdev, webtesting
                - LAMP
                - Coldfusion
                - CUWebAuth
                - SSL Certs
            - Plato – research web sites
                - LAMP
                - SSL Certs
                - CUWebAuth
    - Log Servers (Gawain, praetorian[VM],lime[VM])
    - techweb - Teckwiki (ECE), Cerberus (Ticketing System)
        - COE Dean's Office still using Cerberus on techweb
        - Should be retired
    - NetApp EZ-Backup Server (katecho) – Backups the Storage Server
    - ECE Email Server (odin, Woodstock) – There are a number of faculty that do not wish to give up their @ece.cornell.edu addresses, or use the Exchange server due to the

mail clients they (a la pine, mutt, and other non-supported mail clients.)

- Database Server (kahuna) – MySQL server for netreg data, user account data, and the old Cerberus ticketing system

- MS Windows Server
  - Windows Administration Servers (sammie, ergo, nirvana, prostatevo, wds)
    - One of them is the FileMaker server for ECE
    - All are VMs
- Other
  - Network Servers
    - The ECE network will be supported by the ITSG
    - Hardware
      - pfSense (Bombay, Constantinople)
      - Cisco Firewall
      - Network Cache Server (netcache)
        - Netapp Applance C1200
        - Only used in teaching labs and maybe ph314 and amdpool
        - Should be retired
        - Have no idea on its configuration,e tc.
      - Switches
        - See http://techwiki.engineering.conrell.edu for list of switches, etc.
  - Desktops
    - All desktops will be supported by the ITSG unless there is specific needs by faculty member that are not covered by base line support
    - There are no exceptions for staff desktop support, they are supported by ITSG only.

Bob
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