Members: Scott Callicutt (chair), Dan Deter (chair-elect), Debbie Carraway (secretary), Charles Cline, Eric Sills, Greg James, Jeff Webster, Mike Kastellec, Daniel Henninger, Donna Barrett, Chris Eichman, Alan Galloway

Present: Scott Callicutt (chair), Dan Deter (chair-elect), Debbie Carraway (secretary), Eric Sills, Alan Galloway, Donna Barrett, Chris Eichman, Greg James, Daniel Henninger, Charles Cline

Absent: Mike Kastellec,

Guests:

Goals -

Action Items from Last Time

1. Send Chris Bowen recommendation to CITD (Scott) - Was approved at CITD at least that is what I was told. - Scott
2. Send SMART goals to Scott (group)

Action Items

1. Dan to send email to group regarding goal-setting before next meeting

Agenda

1. Announcement (Scott)
   a. Scott leaving university on 2/17
   b. Dan will become chair, finish out Scott’s term and fulfill following year, chair-elect in October

2. Presentations
   a. Dan Deter - DELTA
   b. https://docs.google.com/presentation/d/1vRlWm-1P0hSAt__YGbat4kzVq59bJ6HlxqQdQXXP4qE/edit#slide=id.p
c. [https://docs.google.com/drawings/d/1m-wL0qed_e2dv2yajJHGT5JotAshwcWx_OXL39cTQHg/edit](https://docs.google.com/drawings/d/1m-wL0qed_e2dv2yajJHGT5JotAshwcWx_OXL39cTQHg/edit)
d. [https://docs.google.com/drawings/d/1Uj24TLXzLH-di01cpijj4Gg9Qst8R6LO4X_JpiH0_o/edit](https://docs.google.com/drawings/d/1Uj24TLXzLH-di01cpijj4Gg9Qst8R6LO4X_JpiH0_o/edit)
e. [https://docs.google.com/drawings/d/1eF87WQH1HPkOgEixWCN_j5AohLlaeDY4IZZEGgoDA0E/edit](https://docs.google.com/drawings/d/1eF87WQH1HPkOgEixWCN_j5AohLlaeDY4IZZEGgoDA0E/edit)
f. [https://docs.google.com/drawings/d/1uG-sNeTQQOMVQfuT4YV_IH7uo3RZIL38_UAfbIR97lw/edit](https://docs.google.com/drawings/d/1uG-sNeTQQOMVQfuT4YV_IH7uo3RZIL38_UAfbIR97lw/edit)

i. Most resources at MCNC
   1. external network: currently on a 2x1G link, moving to 2x10G link over spring break
   2. internal network: all 10G
ii. 3 racks: Compute and networking, storage, some legacy
iii. ½ rack in DC1, backups/VPN/tes IT governance revamp initiative (Debbie)
iv. F5 load balancer
v. Almost everything is in DELTA VMWare/virtualized
vi. 7 storage arrays, Dell Equalogic
vii. 2 Equalogic in DC1
viii. 3 Dell R720 compute nodes in DC1, 750 GB RAM, plan to move to MCNC ultimately
ix. Primary MySQL server is not in VMWare, but all VMWare disk space is in SAN arrays, drive access time was problematic so it’s using local disk for performance (primary database for Moodle)
x. MediaSite SQL Server db is in VMWare as is Oracle db for Aquella (till June)
xii. WolfWare is also supported, and proctoring tool

3. **Kumo (Charles)**
   a. Indiana University cloud storage broker service
   b. [https://kb.iu.edu/d/bdiu](https://kb.iu.edu/d/bdiu)
c. A multi-tenant service that provides schools with a simple, easy-to-use, low overhead solution for meeting the users’ storage needs. Supports Box, Dropbox, Google Drive and OneDrive.
d. Cloud-based portal for setting/storing user preferences, administration, and access tokens
e. Components: ADFS claim, access broker (server vm), workstation client, kumo.ncsu.edu
   i. Mac and Windows clients, no current Linux client
f. Eliminate B: drive as a goal
i. Not used in CHASS, CVM (used by computing staff and Dean’s administration, not hospital); COS mounts it, IE favorites saved there; not used in PCOM, mounted in DELTA
   1. user data vs computer data

4. ITSAC-I goals and standards (Scott)
   a. Tabled until next meeting
   b. Some in email

5. Working Group Reports
   ● Data Center Facilities Working Group
     ○ Will talk to ITSAC-I about DC3 in early summer

   ● Communication Technologies Advisory Group
     ○ Rewiring projects Cat 5 to 6a, five year project til 2020
     ○ Preparing for ResNet project, 2,400 APs in 5 weeks
     ○ Spidercloud with Verizon - contracts are signed, next step is meeting with support groups & Greg + Kristina for operational details

   ● Active Directory Technical Working Group
     ○ NCSU-OU Admin level for automation of admin tasks
     ○ Splunk, documentation, other compliance related tasks (i.e. Identity Finder)
     ○ Office 365:
       ○ OneDrive 25,034 active users
       ○ OneDrive Storage 265,043MB, increasing roughly 45 GB/mo
       ○ Skype 25-35 active users
       ○ SharePoint 11 sites, 377 MB storage

   ● Identity Management Working Group
     ○ OIT - IDM staff working on rollout of new privacy setting for employees and preferred names (dates still TBD)
       ■ If an employee is also a student, if they have privacy block not showing up in Google Address Book, this will be changed so that they show up
     ○ Student & HR data stewards are still evaluating how access to “legal” names will be handled, this might affect some current data extracts

   ● Realm Linux Service Committee
     ○ New seat open: RLSC to make a recommendation
     ○ CSI takes care of PCI/back end, RLSC on community end, will merge back at end
Working on documenting Linux better, Josh Snapp in COE working on this

Working on better ways to address security issues

Red Hat contract additions being considered
  ■ Do not yet know how much it will cost colleges
  ■ Quote was $71K in addition to RH enterprise license
  ■ Red Hat virtualization tools
  ■ Some desire to provide capabilities other than VMWare to avoid vendor lock-in. VMs are transferrable (disk images).

Storage and File Services Working Group
  ○ no current agenda

Web Services Working Group Not yet formed.

6. Other business
   a. Research space (Eric Sills)
      i. Will provide 1 TB per grant, will assess to see if it meeting space requirements on average
         1. New research storage will be NIST 800-53 compliant, moderate level
      ii. Most federal contracts are expected to meet FISMA requirements (at least some)

7. Next Meeting
   a.

Decisions (running list)
   ● 3/9/15: Recommend that enterprise infrastructure be funded centrally.
   ● 1/23/15: All 2-year terms for ITSAC-I members (including subgroup chairs) expire Oct 1, 2015. New elections will be held before that date.
   ● 1/23/15: The chair-elect position for ITSAC-I will be selected after the roster of members is complete