

# IAC Meeting

Thursday, September 14, 2017

2:00-4:00 PM, Room 382 Lory Student Center

Attendees: Don Albrecht (ACNS/Library), Scott Baily (ACNS), Katie Banghart (ACNS), Jerry Becker (Registrar), Mike Brake (Student Achievement), Kelley Branson (Engineering), Pat Burns (VPIT), Bryan Carney (University Advancement), Dave Carpenter (CHHS), Richard Casey (ACNS), James Cizek (ACNS), Jim Cox (Natural Sciences), Nick Cummings (HR), Steven Dove (BFS), Bob Engmark (IS), John Franzel (CSU Online), Bryan Gillispie (CLA), Daniel Hamp (ACNS/Library), Eric Hamrick (Procurement), Dave Hoffman (ACNS/Telecom), Steve Lovaas (ACNS), Neal Lujan (Student Affairs), Tobin Magle (Library), Jamie McCue (ACNS/Telecom), Richie Nelsen (COB), Dawn Paschal (Library), Ed Peyronnin (CAS), Greg Redder (ACNS), Kacie Reed (CVMBBS), Gary Senseman (WCNR), Ron Splittgerber (Research Services), Eric Tisdale (CHHS), Dallace Unger (Facilities), Joe Volesky (ACNS), Suzi White (Library), Ruth Wilson (Extension), Tyler Wilson (Research Services)

## Agenda

1. Introductions - all
2. Approval of minutes from 5/10/2017 (posted on <http://iac.colostate.edu> website) - Burns
  - Approved unanimously
3. Research Computing Update
  - a. Summit/Cray updates – Richard Casey
    - No new accounts on Cray, encouraging Summit
    - Using DUO for authentication, trying to enable Globus
    - 130 accounts currently on Summit, 5 new requests per week
    - Broad representation across university departments/colleges
    - Workshops and Open Forums upcoming in September
    - Condo Model (longer run times 7 days v. 24 hours, priority boost)
    - Phase 2 of condo model coming 2018
    - Will communicate to colleges about options available to them
    - Can support classes, 1 currently using Summit, looking to add more
  - b. Research Storage Activity – James Cizek
    - Committee to address local storage for Summit users found greater need for storage for research on campus overall. This storage will be available for any unrestricted data associated with research activities
    - EMC Disk Array is on-site now but no install date set yet (mid-October possibly)
    - Offered as a cost-recovery service, like Campus Cloud, but for storage. 340TB to start. Projected pricing: \$125/TB/year (not official). To be developed: Web App to sign up, billed annually, can add storage within the year but won't be refunded/prorated if stop using it or decrease the amount.
    - Storage will not be backed up by ACNS, but end users can do that. Behind data center firewall, in data center, portion of it available via Globus and Summit. Future backup system may be possible given sufficient subscriptions.
    - Roll out initially at College/Unit IT leader level to provide for their researchers. If you have a pilot group contact Cizek, Hoffman, or Peyronnin. Pilot: mid-Oct - Dec, roll-out Jan 2018.

- Questions: User Interface? IT administrator will set up a share to drag/drop (like local drive). Testing before purchasing? Will work with groups once more things are finalized. 15k simultaneous users, performance shouldn't be an issue. How to handle requests? Will redirect to IT leaders if contacted directly.
- c. CyberTeams initiative – introducing Tobin Magle – Burns
- NSF grant; cradle to grave research support for faculty. CSU, CU Boulder, Utah, CSU dealing with preservation portion. Position funded by NSF for 2.5 years.
  - Tobin: experience in data management, working on self-submission of data sets into repository, collect meta data and data sets, available to RMACC institutions; reviews of research groups who wish to have this done and look at their infrastructure and see what can be improved. Exercise to bridge the gaps in research and IT infrastructure. OSF: Open Science Framework, funded by non-profit, platform for collaborative research. Data in this framework so people can access files, tracks users and changes, can revert to previous versions, collaboration tool. Talk to research groups if they want this kind of review, complete form, then interview, identify gaps and areas we can help with. Free service, contact Tobin if interested.
- d. Staffing issue, and staffing additions pending – Burns
- VPR agreed to fund for one year two half-time GRAs via tuition waivers for Summit/Cray. ACNS will put a budget request into the FY 19 P&B activity.
4. Qualtrics site license, course section survey update – Burns
- Redesigning course survey; moving to automated process with Qualtrics that integrates with Canvas. Make sure questions are researched-based, want to administer several times throughout the semester to give faculty real-time feedback, take results and organize it by types of students to find out what kinds of students are succeeding/failing (demographics and other factors).
  - Core research (Laura Jensen IR) bundle questions, reporting piece on back-end (Mike Brake CASA). Questions being developed, committee on teaching/learning to put a pilot together (mid-Oct hopefully). Fall 2017 will still be paper surveys, fully implemented by Spring or Fall 2018.
5. T-Mobile - possible strategic partnership – Burns
- Currently with Verizon; some concerns with coverage, connectivity, and capacity. Voice over WiFi reported to work well deep inside CSU buildings. Hoping for better coverage and pricing for T-Mobile. GSM enabled for international coverage.
  - Dave Ramsay engaged in preliminary testing of T-Mobile phones, more to follow. In initial phase, will need to develop evaluation process. CSU has annual contract with Verizon, can exit any time; timing will be determined by us, given the transition that would be involved. Equipment trade in to be determined, still in discussion.
6. Information Systems Updates – Bob Engmark
- Private data exposure (DOB proceeded email) (not a breach) on 9/13, caused by inadvertent mistake in production turnover process, caused errors in eID overnight updates. ACNS/IS discovered issue, identified and resolved quickly, took some time to work through system. Affected potentially 1,714 users (could be lower) across campus, including student employees (174). Burns notified potentially affected individuals via email. Reviewing processes with ACNS and IS to make necessary adjustments. No further communication

planned; users are advised to delete any emails sent/received with that information showing.

- 2 finalists for new reporting tool, WebFocus & BIRST providing basic demos. Implementation process to be finalized, vendor decision to come soon. Will not renew eThORITY for another year. SQL reports could be replicated into new vendor system. Project teams will be set up to discover what reports are used and needed (15k currently exist). 7/1/18 deadline for decommissioning eThORITY.
- Famweb will be upgraded, migrating to OJS platform (standard for IS), will improve performance.
- Review web account access to production databases. Limiting access to specific server IPs, will review all access currently in place.
- Banner 9 upgrades to come, must be done by 12/31/18, Oracle reports/form conversion needs to happen. Banner document management system upgrade in Nov.
- Workflow automation project, consolidating access request forms to one digital form and iron out workflow.
- Performance Evaluation Tool in TMS? Being piloted in HR, unknown timeline.

7. IT Security Updates – Steve Lovaas

a. IT Security Policy Updates

- Committee will submit proposal/recommendations next month.

b. Duo two-factor authentication

- Awaiting integration with Shibboleth, easier for end users and backend set up. Will roll out with new Pulse VPN, both systems will be up simultaneously, only way to use new Pulse will be with 2-factor once the opt-in period is over (Spring 2018). KualI, HR, AriesWeb will have to use 2-factor.

c. CUI (Controlled, Unclassified Information) looming issue

- Research computing and storage of information that is restricted (federal rules about controlled unclassified info). Proposing environment (starting in Mainsite) with separate storage array, accessible by protected VMs. Deadline for compliance is 12/31/18. Self-service will not be available at first.

8. Registrar's Office Updates, KualI Student status – Jerry Becker

- New registration system, 15k students registered with Banner9, 19k registered with Banner8 (some used both). Option to use Banner8 is going away.
- Repeat/delete can now be requested online
- Banner9 is main focus this semester
- Continuing to develop KualI student

9. Research Services Updates, KR, eCRT updates – Splittgerber

- See slides. Move research submission from KualI to the cloud. Regulatory protocols, working with KualI to develop form/interface to fill out research request; system would be interactive based on how they answer the questions to show more/less info that is required. 4-year project timeline projected.
- eCRT: Effort Certification and Reporting Technology – effort coordinators in depts/colleges. Implementation January 2018.
- Fastlane going away, replacement will be web based, modern user interface

10. IT Consolidation Phase 3 Recommendations (attachment)

- a. O365 – Bryan Gillispie: at division level, migration is complete, some small departments still using independent mail clients, strong support for 1 official system across campus for faculty/staff/students. Support migration for students from Google Apps to O365.
  - b. Help Desk – Richie Nelsen: RemedyForce meets all needs, \$90k annual delta, potential pricing models in development – hoping for more central funds to increase buy in.
  - c. MS Domains – Scott Baily: 34 child domains in 2011; 25 in 2017, multiple exchange environments in 2011 added complexity that has since been eliminated; Separate username password pairs were a problem for users, most units are using colostate credentials or plan to move there, possibility of adopting a single child domain for a college/division was supported. Moving forward: adopt colostate log-ins where possible, work toward single child domain for college/division, and develop minimum requirements for those operating a domain controller.
  - d. Content Management System – Joe Rymski – not present. See draft report for details.
  - e. Data Center Needs – Scott Baily: worked with Facilities Management Sustainability Group, 12 data centers from survey, queried property accounting database for computer equipment and found 44 data centers(excluding 30 facilities that have a single server) Actual number of server rooms is between 44-74. Units are resistant to consolidation because of convenience, performance control over the environment, sensitivity of information. Reexamine space utilization in E7: no room for additional racks, racks are 50% occupied. Look at single server locations, maybe not for cost savings but data protection. Investigate cloud options for compute and storage, provide additional redundancy, outreach on incentives for consolidation.
  - f. TimeClock+ - Nick Cummings – worked with representatives from campus that were on their own system to accommodate what they were doing to centralize; a few holdouts but will probably transition (CEMML for research leave), CVMBS and Health Network will move, Off-Campus Work Study has access issues, those who supervise are not in Oracle.
11. Educause IT Trends for 2017 (attachment) – Baily
    - ECAR – IT Trends identified are indications of changing times, including demographics for traditional college students.
    - Burns feels we at CSU have and are focused on the most appropriate things for our environment
  12. Fort Collins Broadband Discussion 9/14 4:30-6:00 PM Morgan Event Hall (attachment)
    - Open forum discussion for Fort Collins Broadband initiative
  13. Other
    - a. Redder: terminology changes in Telecom standards for new building construction and remodel projects:
      - All references to “closets” or “communication closets” changed to “communication rooms”.
      - Network switches must be in secured, communication rooms or otherwise secured from tampering or access to cables or console ports, such as in a “Hoffman” box.
      - Buildings are required to have physically diverse and redundant paths to the campus fiber infrastructure from the MDF.
      - Communication rooms must remain accessible via campus master key systems, preferably cardkey. Access to rooms cannot be blocked by gates or fences not utilizing campus master key system.
      - Cardkey access is strongly recommended for all communication rooms.
  14. Adjourn – 4:10 PM

## **Attachments**

1. IT Consolidation Phase 3 Recommendations
  - a. DRAFT final report to the Provost
  - b. PPT presented to the Provost 8/4/2017
2. Fort Collins Broadband Discussion Announcement
3. ECAR 2017 Top Trends Report