

CSU-FC 5-minute madness – CHECO, April 2013

Looking to improve student success and retention with data-driven online services for faculty and students; Likely to use Blackboard Analytics to include LMS data.

Early phases of implementing PeopleAdmin for hiring, onboarding, position management, performance management.

Working on sole source justification process to acquire Event Management Systems (EMS) from Dean Evans as classroom scheduling system.

Looking for a comprehensive solutions for:

- DAS
- Investigating a replacement to current HR/Payroll system

Continue to look into big data issues, how to handle them.

Implementing Teamdynamix (project management) this spring.

Echo360 deployment expanding as the centrally supported lecture capture solution for the campus.

Continue to engage the City of Fort Collins in Gig.U conversations.

Entered into a strategic business alliance with HP for desktop and laptop purchases – cash rebates, scholarships, internships, etc. valued at ~\$800K annually. A work in progress, ironing out kinks.

Still very active in the Kualu Foundation – primarily Financial and Research Systems; recent work on placing Kualu Rice portal in front of KFS and Coeus. Planning a KFS upgrade, watching Kualu Human Resources (KPME), travel management, contracts and grants billing. Working with CSU-Pueblo on KFS implementation. Go-live for Coeus, fall of 2013. Migrating application layer to linux this month.

Recently awarded a NSF Cyber Infrastructure grant - \$486K to upgrade core data network (hopefully to 100 Gbps), wide area capacity, and to establish a research DMZ in support of big data and the research community. Also implementing Internet2's DYNES

Recently added 768 cores, for a total of 2048, and storage for the Cray supercomputer in a partnership with Woodward Governor

Mobile applications

- Using Boopsie to deliver initial mobile platform; purchasing Ellucian mobile to provide access to student services and potentially to replace Boopsie as primary mobile platform (TBD).
- Also using Blackboard mobile learn

Internally providing hosted, cost recovery VM service to the campus, with about 90 VMs deployed to date (4:1 Windows:Linux); Also providing no-charge LAMP services to campus.

Campus committee recommended Office365 for outsourcing of faculty-staff email; Contract from Internet2 Net+ to be available within the next month.

Exploring other potential Net+ services (e.g. DocuSign)

(Optimistically) working with CDOT/Eaglenet on North I-25 fiber build – looking for alternatives to HW 287 path to Wyoming, in hopes of avoiding a 6-mile relocation project (due to WDOT highway widening project)

Announced new cellular partnership with Verizon, to include a stipend option

Developing roadmap for upgrade to Banner XE

Enhancing online catalog and curriculum management solution; likely to purchase a commercial solution down the road

Implementing Slate, a cloud-based admissions support package

IAM-related:

- Continuing to pursue silver-level assurance for campus; application to be submitted to InCommon in fall of 2013
 - 15-character password minimum (no complexity) went into effect for campus; rolling update to be completed in October, 2013.
- Using Grouper as a prototype for providing authorization services
- Exploring CIFER project as IAM framework

Exploring site license options for digital signage (Four Winds). Also issued RFP for outdoor signage project.

Small biometric pilot (local system authentication) being explored in CVMBS

InCommon certificate program in place; fine tuning the process

Exploring Personal Response systems/BYOD in classrooms

Adjusting to filling positions as A/P – new processes, search committees

Two Colleges have contracted with Digital Measures to track faculty and graduate student activities, producing evaluation and summary reports, promotion and tenure documents and CV's.

MSU Denver

IT Task Force is completing the process of developing an IT Strategic Planning, implementing IT Governance, and recommending an IT Organizational Structure

Still have a significant number of key vacancies

Assessing options for our local storage

Migrating to new Blackboard 9.1, and eliminating our duplicate LMS

Evaluating the use and functionality of our current portal, Luminis, with Blackboard community

Just completed a move our production Oracle Databases to a virtual environment

Completing an external assessment of our active directory architecture

Reviewing options for student, faculty, and staff email (Office 365, Exchange local)

Piloting the implementation of virtualization for the fall semester, likely Citrix

Colorado School of Mines -- 5 minute madness list -- Tuesday, April 16, 2013

Continuing change to exempt positions - 27 of 51 current staff are exempt
General hiring issues and woes

- applicant pools seem to be weaker/limited
- support demand continues to grow - new faculty/students and new staff
- created/filled Research Data Management Specialist position

- continue to try to fill vacancies and poach staff from other institutions
- one position frozen due to SPB exemption challenges

HPC Acquisition

- signed agreement w NCAR to house new HPC system at Mesa Lab
- ordered IBM BlueGene Q + iDataplex - total 10,000+ cores - 154 TF
- Joining BISON, NSF proposal submitted to join it with SCONE

OpenUC Migration (VoIP project) going full bore (upgraded to 4.4)

- many power upgrades in MDF and IDFs

ABET 6 year accreditation visit last Fall
HLC 10 year accreditation visit next week
Institutional Strategic planning effort underway

New academic building opened last Fall - Marquez Hall
New wellness center
New residence hall and dining facility to start construction

Welcome center and Foundation building to start construction

Completed transition to 10G core using Arista switches
Upgrading Checkpoint firewall - full IPv6 support
Colorado Geological Survey moved administratively to Mines
Academic reorganization into 3 colleges accommodated in Banner
Completed implementation of StarRez Housing, Events, & Judicial system
Implemented BDMS - all areas in testing, most live for limited number of docs
Adding speakers/public address system to blue phone system
Joined digital repository consortium formed by CSU, CU, Auraria - uses Digitool
Signing certificates pilot
Footprints upgrade from v9 to v11
Started using Team Viewer for remote support
LDAP/Kerberos Migration
Never ending wireless upgrades

Western

General

- New Field House Construction
- New Environmental Studies Masters Program
- rebranding effort (new logo, etc.)
- President has announced resignation, search beginning

IT

- Retiring BES Server
- Migrating from Redhat to Oracle Linux
- Migrated to new NAC (Safeconnect)
- Upgraded Aruba wireless controllers
- Converting from OC3 to 200MB MOE
- Purchase new SAN for deployment this summer
- Major website redesign/CMS migration
- Upgrading wireless throughout campus to 802.11n
- Enterprise Information Security Audit
- Investigating Office365 for faculty/staff/students

Fort Lewis College

- Staffing
 - Bruce Mayer Manager of Administrative Information Systems retiring end of May
 - Cheryl Robertson Manager of Client Services - desktop support Last Day is Friday
 - Roy Horvath Manager of Networking and Infrastructure retiring but taking a transition year out Month of May
 - Likely loose one IT PRO I desktop support in May
- New eLearning director
 - Kelly Stanley
- Extending our Canvas LMS pilot for one year
 - expecting the I2 Net+ contract stage.
- Moodle in last year
- RFP for Degree audit, student success, early alert system(s)

- Cayuse Grant Management and Banner Integration component (Evisions)
- Blackboard Analytics and Pyramid, Financial Aid on deck
- Switching from Dish to DirectTV for cable tv
- Upgrading to uPortal 4 - gives some mobile capability
- Upgrading Confluence to version 5
- Upgrading DotNetNuke to version 7
- continue to see new SaaS systems
 - Athletic Training portfolio and assessment
 - Library
 - maxient res life
 - curriculum curriculum mgmt works with acalog catalog.
- PacketFence delayed for v4 = go live this summer.
- Implemented "Cloud" Enterprise Manager for DBMS and Fusion Middleware/Web Logic Server (finally)
- Oracle app servers migrated to Linux
- Grad Studies Program - program startup support
- TN eRefunds implementation, Campus Cashiering on deck
- Implementing GIT for version control in AIS applications
- Vendor management project, vendor lookup and request for vendor apps for non-Banner users.
- Personal email collection and validation process
- Imaging server migration and application upgrades (Banner Document Management and Xtender)
- Up to date on all Banner 8x modules, except HR
- In-house Groovy/Grails training conducted (3 Banner XE apps in test, but no love yet)

DU: 5-Minute Madness: CHECO – Spring 2013

CENTRAL SYSTEMS & SOFTWARE:

- Email:
 - Email Gateway Upgrade to PMX version 6 March 17-18
 - Exchange 2010 upgrade/migrations complete Dec 2012
 - Retiring BES Service on 7/1/13
- Virtual Desktop Infrastructure (VDI):
 - Increased to 500 licenses (at any given time, 200-250 in use)
 - 13 Departments using
 - VMWare infrastructure upgrade; VSphere & VCenter 5.1 upgrade (from 5.0)
 - Persona pilots; 6 areas (personalized desktop)
- Banner (8.5 & 8.6, 8.4, 8.17 – depending on module)
 - Sun Hardware: Separate Clusters for “Production” & “Testing”
 - Oracle: Remain at ver. 11g
 - ODS/EDW – Added 2 new nodes (total of 4) – Prod & Test
 - Banner Self-Serve - Weblogic Install (from Oracle) – March 18
 - Internship module (from European Dev center) (Test)
 - Development Partners with Ellucian on Reg XE system

- Blackboard = 9.1
 - Moving to multiple application servers in VMWare – Summer 2013
 - New Complete Install (move content)
- Luminus 5 (one of the 1st schools)
 - Project for December 2013
 - New LifeRay
 - Migrate to Open LDAP (from SunONE)
 - CAS
- MS-Active Directory Revamp
 - File Shares restructure – user can create restricted folders themselves (home grown tool)
 - Printers (almost complete)
 - 5K users
 - 20 years of data – clean-up
 - Domain migration from CAIR to DU
 - 5K users / 52 divisions
 - Put into Banner driven OU in AD (IdM Prepare)
 - Scripts for pre and post clean-up tasks
 - Nightly provisioning to update as change jobs around campus
 - Completed on 1 division
- DNS/DHCP Services upgrade/redesign
 - CNR (6) to PNR (8)
 - Debate purchase – software and UCS
 - Summer Project
- Load Balancer
 - Looking at vendors/products now
 - Redundant – Summer 2013
- New 10G SPAN switch
 - Operations/Info-Sec/Telecomm joint project
- Hitachi Storage
 - Upgrade to HCP Content Platform
 - VPLEX Upgrade firmware, and cross-connect feature March 20
 - Implemented Usage Policy
- Library III
 - Migration To Sierra March 20
- Backups
 - Upgraded to enterprise NetBackup Jan 2013
- Cisco UCS
 - We are Live!
- HPC
 - Enhancements to Aspen Systems Beowolf Cluster – moved to a campus “service” model
 - Created Emerging Technologies Group in UTS help to promote use
 - PSY, NSM (Chem & Physics) using today, (ENGR soon?)
 - 11TB → 30 TB (2/13)

- Added Infiniband (9/12) 1G -> 40G Innerconnects
 - 30->38 nodes now (2 More?)
 - Next: New "Head Node" – GPU-CUDA (NVIDIA)
 - Redhat today – move to CentOS?
- Live 25 (Room & Calendaring Web Event Replacement)
 - AAC/Crestron (Fusion) Server Integration
 - Interface is cumbersome (Event based – not room) – Built a Webcentral Custom interface
 - <http://library.du.edu/site/about/eventRooms.php>
 - Admin Agendas.....
 - Push/Pull issues – tweaked to a 5 Minute interval
 - Cloud lessons learned...
- ITIL V.3/ServiceNow Project
 - Implemented Incident Module on 1/1/13
 - Change, Problem and Knowledge Modules are next-up
 - Knowledge is part of a UTS website revamp
 - \$800 per person per year * 100
- CRM Project:
 - Need analysis phase – Deans on down.
 - Integrated solution suite based on University wide business requirements.
- Altiris (subsidiary of [Symantec](#))
 - Service-oriented IT-asset management software (Desktops)
 - Pilot trial & New Hire
- UniPrint
 - Investigating mobile printing
 - BYOD support is key – may not work with Pharos/UniPrint
- New complete campus mapping solutions
 - Complete digital and print mapping solution
 - Drafting RFP
 - Evaluating 4 products now: ESRI, Concept3D (CampusBird), nuCloud, Three Scale Strategy
- Adobe Connect
 - December 2012 – upgrade to V8
 - 800# - Dept Purchasing agreement for charges – Meeting One
- PerSonar – attended FRGP/I2 training session
 - Server is up!
 - <http://perfsonar.du.edu/toolkit/>

SECURITY:

- SIEM (Security Incident & Event Management) Appliance/Software:
 - Product from Q1 Labs: QRadar SIEM – too expensive
 - Trialing Open Source: OSSIM from AlienVault

- Looking at “Quick Security”
- IDS
 - Moved from Tipping Point to MetaFlows – Cloud Based
 - 2 Sensors
- New Campus Firewalls
 - 5585-X from Debate – December 2012
- DMCA Appliance
 - Purchased Audible Magic 1/13
 - Trial mode now
- Fireeye – Replace due to cost to 10G
 - Looking Damballa (not inline) - <https://www.damballa.com/>
- Disk Wiping “Service” – part of recycle process
 - Aleratec device = \$1K
- Risk Assessment
 - Summer – Internal University Audit group
 - May use Aliado - <http://www.aliadocorp.com/>

TELECOMMUNICATIONS:

- Aruba Wireless
 - Upgraded M3 Controllers to 6.2.0.3 – March 2013
 - Trade-up to 2 x 7420s – 10G (retire M3)
 - Revamping Guest wireless project – in process – summer 2013
 - Move to NAT?
 - EDUROAM deployment – summer 2013
 - Summit Apartments upgrade (Added 8 AP 135) March 18-22
- 6500 Core-Router Upgrades:
 - E-Chasses & Redundant Sup-2T Upgrades COMPLETE
- VoIP Additions for New Buildings & Major Remodels:
 - UTS building - Complete
 - Academic Commons - Complete
 - Margery Reed Hall – Next
 - FELC and SHCC - Proposals in hand – Paging?
- VoIP Servers:
 - Call Managers; 8.6 -> 9.1 upgrade 2013
- Videoconferencing Upgrades:
 - Implemented Cisco VCS-C, VCS-E, and TMS, 100 Seat Jabber for TP
 - 2 x ES60 units for Board of Trustee project
 - Software TC6 for Tandberg Endpoints
 - 1.09 to TP units (1.10 is out)
 - New SX-20 Geography Cart
 - 2 x C60 – AAC
- Unified Communications RFI and business partner selection
 - Sent out 4/1/13 – No Joke!
 - Waiting on responses
- DAS – Distributed Antenna Systems

- Survey for AAC – Complete – Poor Coverage...
- CaaS – Communications as a Services
 - AT&T (Rave), regroup, Blackboard (NTI).
 - Broadcast and targeted messaging delivered via email, text, social media, website, RSS feeds, digital signage, PA/Siren systems, pagers, mobile devices and/or pre-recorded voice.
- Pinnacle Software Upgrade (Billing SW)
 - In Progress..

NEW BUILDINGS, STRUCTURES & MAJOR REMODELS:

- Anderson Academic Commons
 - Grand Opening was March 22
 - \$35M project
 - UTS Service Desk Helpdesk
 - Major resource drain for UTS as a whole to make project and building a success.
- Margery Reed Hall:
 - Remodel building for DCB (Major, HVAC, electrical, etc.)
 - \$7.5-9M Project
 - **Completion Date:** end of 2013
- New School of Engineering and Math and Computer Science Building
 - New Building
 - Hired Architect of Record (Anderson Mason Dale) & Consulting Engineers
 - **Completion Date:** 2015
- Selling Bar-K Ranch
 - Closing is scheduled for 5/2013
- Soccer Field Expansion Project
 - 7 homes to be demolished to expand field
 - **Completion Date:** Summer 2013
- Catering Kitchen Addition
 - \$1M project – new kitchen space for SODEXHO campus catering operation

OTHER IT Projects:

- DU IT Strategic Plan
 - 1st year under our belt
- Next generation LMS
 - Phase one
 - Initiated the review and selection of our next generation LMS
- Campus Strategy for Classroom A/V Upgrades
 - Developing new plans
 - Initial proposal not accepted by Provost & Chancellor
- Campus moving to Tyco/SoftwareHouse/C-Cure integration
 - ~\$3M Project

- All External Doors 1st
 - Multi Year project
- Moving to SmartCards from our Blackboard ID Card (~\$250K)
- Phase one = Servers, and select buildings
- New T2 Parking module (Flex) Trial
 - Promote guest parking using barcode scan technology
 - Anyone Hosting this in cloud?
- Preparing for our 150th birthday
 - Sesquicentennial
 - Beginning next Jan, 2014 through the summer.
- Launched new UTS PMO Office
 - Setting better project expectations across stakeholder groups through more accurate estimating, planning, and project scoping.
 - Shortening project delivery cycles through use of common repeatable processes, tools, and templates.
 - Reducing the occurrence of project problems through use of proactive project management processes, metrics visibility, and governance frameworks.
 - Improving decision making through enhanced project communications, reporting, and visibility across the entire portfolio of UTS projects.
 - Increasing customer and stakeholder satisfaction by delivering higher quality outcomes with greater strategic alignment.
- GSSW Western Colorado MSW Program
 - ~100 MSW graduates
 - Modeled after our ten year old Durango Four Corners MSW program.
 - Two year Master program starting Fall 2013, target enrolling class size 18
 - Classroom and office on Colorado Mountain College's Glenwood Spring's Center Campus
 - Potential partnership for their newly established 4 year degree program (CMC 4 years BA – DU 2 years MSW). Similar to our existing partnership with Ft. Lewis and our Durango MSW.
 - Classes will be taught as a mixture of local experts and DU GSSW faculty both online and blended.
- DU Mobile App
 - “all-or-nothing” institutional strategy
 - 2 new groups for this:
 - mobile authorization group
 - mobile “exploratory” group to solicit vendors, establish framework, provide cohesive branding

Adams State
Support Services

- NAC system trade study- Bradford replacement
- Expanding usage of SCCM, imaging employees, labs and TECs
- Major upgrades to TEC classrooms-Extron equipment
- Storage/Staging area move
- Ecar students and technology survey

Sys admin Team

- Upgrading our SANs
- Upgrades to our server room
- moving some services to new DR site at new building off site
- Will begin looking at gmail for employees soon

Banner Team

- Many ongoing upgrades
- HR module went live in December
- Building test environment for Banner XE
- Investigation of ellucian's mobile product

Network/Telecom

- Kicking off VoIP project
- Looking at upgrades to CATV system
- Have a redundant path, more bandwidth, with plans to buy more
- Wireless upgrades to old gear

General campus

- East Campus- HPPE Move-in with new lab and tec classrooms
- Renovations to Student res halls
- Getting ready to start "bubble" athletic facility
- RH admin building in planning stages for full remodel
- Campus one card trade study, looking for replacement to heartland
- IT governance formalizing the structure
- Tech fee increase of \$1 per credit hour, going to board for approval
- Personnel, hoping to get approval for a new banner position and to move a part time telecom tech to full time
- Also in the consolidated case at the State personnel board

CCCS

Student and Finance Cubes live for the data warehouse (ODS/EDW)

Legacy reports being moved to ODS/EDW

Continue BRM or now called BCM – Enrollment Management implementation

Expanding Course Signals implementation beyond pilot

Preparing for Banner XE

Implementing Flexible Registration

Financial Aid Imaging completed, implementing Finance and Student BDM

Implemented Maxient for our metro colleges

Went live with Fixed Assets in Banner for new purchases on April 1. That's no joke!

Loading legacy assets into production environment in late May.

Starting eBill implementation for 3 pilot schools in early May

FLAC Approval Automation continuing-5 schools to be implemented prior to summer term

Planning for Banner upgrades required for Student, Financial Aid, and ODS/EDW

Beta site for ellucian Mobile product

Colorado Mesa University

Upgraded our Internet bandwidth from 300 to 400 mbs. It was promptly consumed during the first two weeks. We will be upgrading to 600 mbs this summer.

As a result of wireless access complaints this fall, we disabled multicast traffic and implemented Netequalizer to provide bandwidth shaping. We also purchased Fluke's AirMagnet survey and design appliance.

Replacing our HP EVA SAN with their 3PAR offering and 40Ts of storage.

Implementing CAS single sign on for many of our applications.

Investigating Office 365 Live for student email. Looking at how we may use Lync.

Implemented Academic Works for scholarship application and review. This required implementing Shibboleth identity and authentication providers.

Implemented Inigral Schools Apps to provide a Facebook like method for accepted students to connect.

CMU has an HLC review this fall. We purchased Campus Labs Compliance Assist to build the report.

Implemented NSI autostore application to provide scanning into Xtender from Konica-Minolta Bizhubs. This allows multiple Bizhubs to consume only one Xtender scanning license.

Switched emergency alert providers from Blackboard Connect to Regroup and saved \$15k annually.

Licensed Maxient judicial system. This implementation is imminent.

Buildings:

- New Residence Hall will go on-line this fall with 200+- beds
- Forensic Investigation Resource Station campus (a.k.a Body Farm) is complete
- Approval for a new Academic Classroom Building
- Planning for Tomlinson Library renovation

Personnel:

- New Director of Computing of Network Systems starts May 1
- New System Administrator position filled
- New Banner Programmer position approved for fy 2014; one position is still vacant
- Addition IT Tech position approved for FY 2014

- Two vacant IT Tech positions filled

UNC 5 Min Madness

Office365 (June 3rd)
Campus Fiber Optic Project
Campus emergency stanchion project
Residence hall wireless (60%) complete
Arlington Apartments (Taking over management)
Sharepoint Enterprise 2010
FoIP
IT Mentor Program
IT project management process
Piloting Lync
Inventory Management System (WASP) primarily for the A/V area
Going out to RFP for replacement to the SAN
Hiring staff
Network
Help desk
Sys admin
Desktop
Programmer
Campus Television (Campus Televideo)
InCommon Federation
Small business incubator (partnership between UNC and City of Greeley)
November we migrated to the Nexus 7K and the Cisco UCS
Looking to replace the campus event ticketing systems
Christmas installed a campus generator (West campus)
System Center Configuration Manager 2012 upgrade
Faculty refresh and computer lab refresh
Contract management database
Prep for Banner XE
Oracle 11g fusion middleware
Windows 2008 R2 upgrades