

CSU Subnet Managers Meeting

November 17, 2010
Happy Thanksgiving!

Agenda

- ACNS Director
- CSU Libraries
- Central Services
- UNIX
- Site Licenses
- Networking/Security

- Tech Demo – Mass Storage

ACNS Director – Scott Baily

- Octel VM replacement
- Internet2 Digital Certificate Program
- Affinity Groups: Mac, Windows, Linux
- High Performance Computing RPF Status

ACNS Director

- Server Virtualization rebate available from the city of Ft. Collins
 - \$250 per server.
 - Contact [Carol Dollard](#) at CSU facilities for additional information
- UTFAB Proposals
 - The committee anticipates a surplus in their budget and will entertain proposals from campus.
 - Information on requirements for UTFAB proposals is posted under Article VI at:
[http://utfab.colostate.edu/CWIS24/utfab/file.axd?file=2009%2f10%2fUTFAB Bylaws Adopted 2009-10-20.htm](http://utfab.colostate.edu/CWIS24/utfab/file.axd?file=2009%2f10%2fUTFAB%20Bylaws%20Adopted%202009-10-20.htm)

Libraries– Tom Moothart

- Ereserve project
 - Previously used in house developed software.
 - Adopted product called ARIES.
 - Compatible with RamCT and Blackboard.
 - Plan to go live for spring 2011 semester.

Central Services – Rusty Scott

- CSS Video Digitization update.
- Lynda.colostate.edu update
- IT Survey
- LMS Evaluation status.

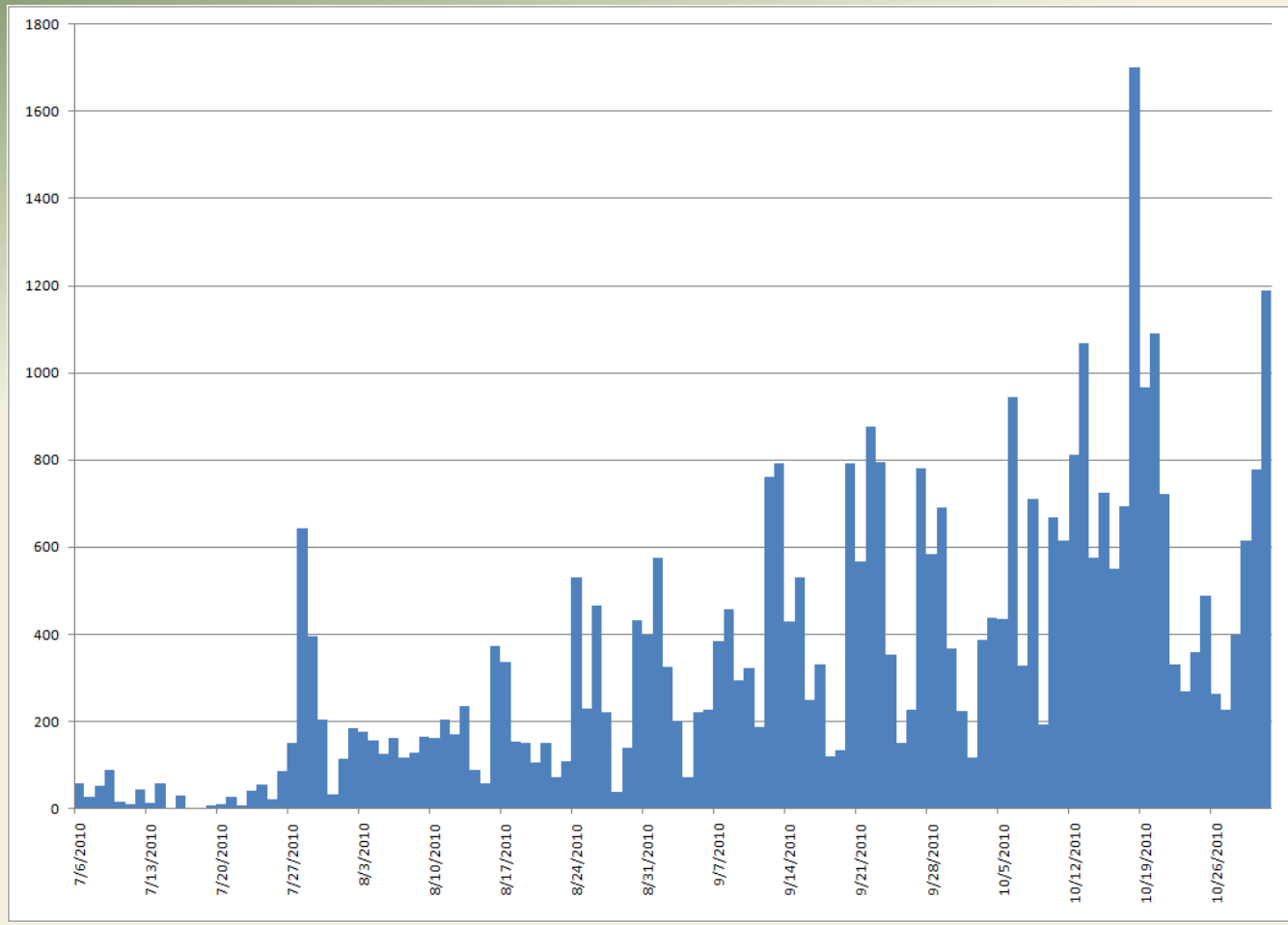
CMS Video Digitization

- Replace playback over closed circuit TV system with online on-demand application
- 290 titles available
 - <http://videoplay.colostate.edu>
- Request digitization of titles:
 - <http://mediarequest.colostate.edu>
- Transition complete May, 2011
 - Gaps
 - 'Dumb' classrooms
 - Laptops for instructors
 - Other?

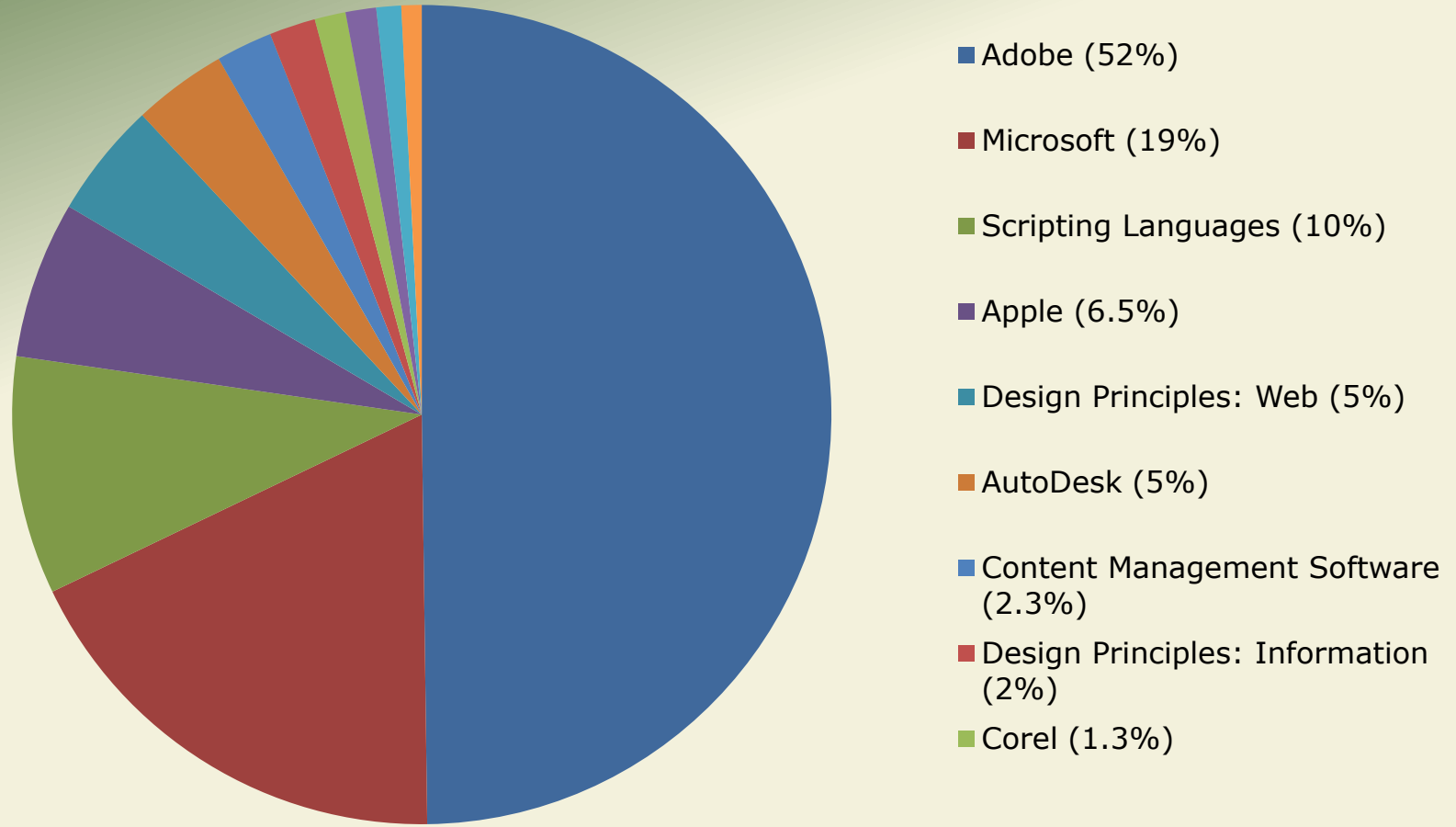
Lynda.com

- Online software training available to students, faculty and staff
 - Funded by UTFAB and the Libraries
 - <http://lynda.colostate.edu>
 - Log in with CSU eID

Lynda Usage – Daily 'views'



Lynda Usage (cont')



IT Efficiencies 'The Survey'

- On behalf of the committee, Thank you!!
 - For more background and context:
<http://iac.colostate.edu>
- Adams-Gabbert is reviewing our reports
- A-G will be on campus the week of Nov. 29
 - Kick-off meeting with A-G:
 - November 29, 11:30-12:30
 - Location, TBA

LMS Evaluation Process

- Conducted by the Faculty Committee on Teaching and Learning (CoTL)
- Evaluation included Blackboard Learn and Sakai
- Recommendation delivered to Provost, Chair of Faculty Council and VPIT on Monday
 - CoTL supports Blackboard Learn as next gen LMS

Next Steps: LMS Futures

- “Operationalize” the recommendation for review by Administration
- New wrinkles
 - Outsourcing vs. Insourcing
 - Exploring economies of scale with CSU-Pueblo

UNIX – James Cizek

- Sun/Oracle maintenance agreements
 - Merger has many Colorado Universities planning to move to Linux.
 - Change in how agreements are arranged, support, cost.
 - May begin charging for Sun patches.
 - Engineering and Computer Science looking at moving away from Sun.
 - Contact James if you have questions.

Site Licenses – Diane Noren

- Apple Computers
- Electronic File Distribution
- Licensing
 - Acrobat X
 - Autodesk
 - Ghost
 - Mathematica
 - SPSS
 - STATA
- Windows 7-Home use

Apple Computers

- RAMtech is paying the fee for Apple's iOS Developer Program.
- Can develop program in house and not have to distribute via iTunes store.
- Will send instructions out once contract is complete.
- Computer or iPad orders of 5 or more
RAMtech will take an additional 2% of the listed Education pricing

Electronic File Distribution of Site License Software

- Complete and available.
- Connect to an ACNS Windows file share with eID.
- Email will be sent with Login instructions.
- Login using eName & Password.
- Acrobat X will be first product available via this route.

Acrobat Pro X

- Orders could be placed as of Nov.15,2010.
- Not shipping yet.
- TSL site License
 - Will send out email when available for distribution
 - Will distribute via Electronic File Distribution
- What's New in Acrobat X-Presentation
 - Best time to Schedule
 - Acrobat Expert will be in town Jan. 20-21,2011
(first week of Classes) Perhaps do as a webinar.

Autodesk

- New 3 year contract complete.
- Expires 10/12/2013.
- Departmental cost staying the same as last year for next 3 years.
- Single license cost \$100.00.
- Autodesk 2011 is available.
- Binders available for check out.

Ghost

- Time to Renew.
- Dead line for counts -December 15,2010.
- Will not know cost until counts are finalized.
- Please let us know if you are not renewing.

Mathematica

- Contract renewed for December .
- Cost stayed the same - \$200 single license.
- Waiting for Mathematica 8 – new version.
- Ship date end of November.

SPSS

- IBM purchased SPSS in October
- Still working on contract negotiations
- Going back to SPSS-19 instead of PASW-18
- Contract expires end of December
- Cost is going up-Adding CSU Pueblo to our contract to minimize increase.
- Estimated price \$36.50 –current \$35.50
- Window, Mac and Linux versions will be available for first time

SPSS-AMOS

- Contract renews January.
- Need counts.
- Sold in ten packs.
- College of Business has 1 Ten pack.
- Due we need More?
- Cost \$325.00 per License.

STATA

- Order online but now pick up at RAMtech.
<http://www.stata.com/order/new/edu/gradplans/gp-campus.html>
- Previously at College of Liberal Arts.
- Questions? Contact: Diane Noren

Windows 7

- Windows 7- faculty and staff home version
- On sale 50% off
- Now \$49.99 until end of Semester (Dec.22)
 - One per person
 - can not buy multiples

NOC

(Network Operations Center)

Greg Redder



If networking is your expertise, this is really funny.

Honest ;)

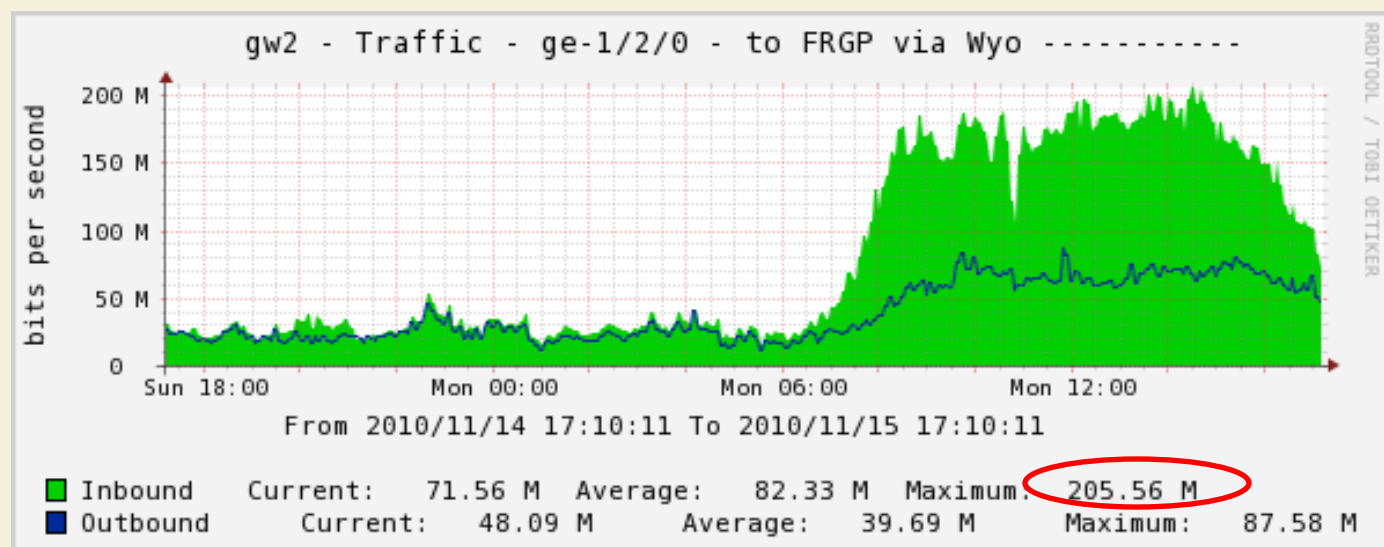
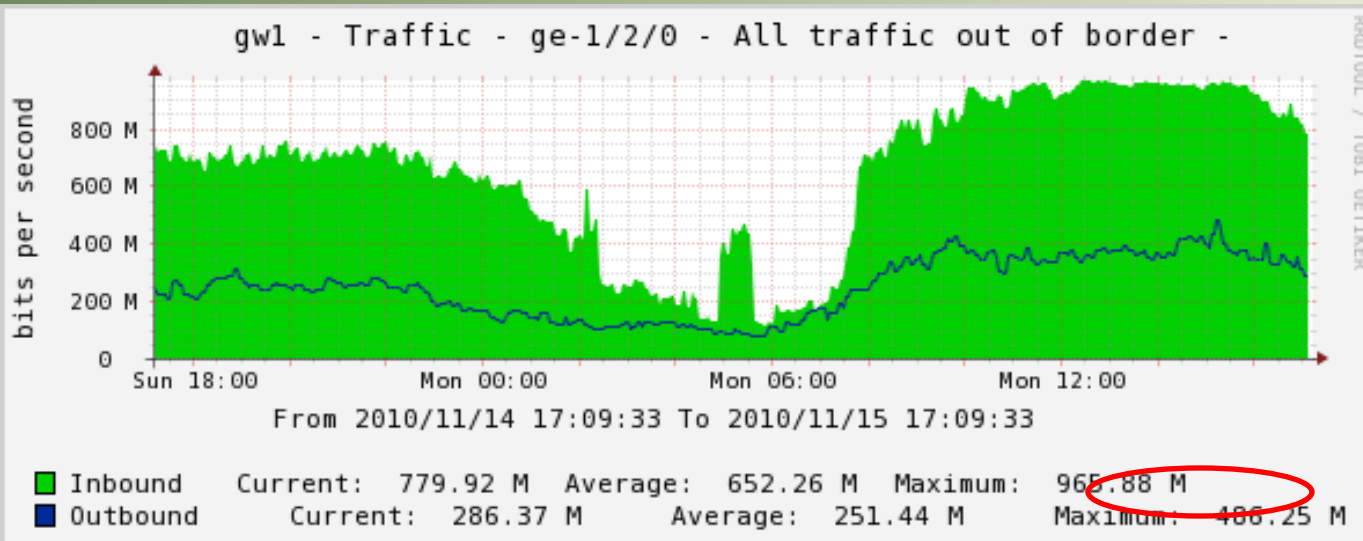
Agenda

- Network Statistics
- Core/Border upgrades status
- Wireless
- New buildings/networks
- Security

Network Statistics

- Traffic stats/issues
- Outages

All traffic to Internet (max'ing out at 1170Mb)



College/Department Traffic Stats....

- Old pages (“cricket graphs”) deprecated.
- New pages in the works!

Core/Border Outages (since last meeting)

Monday, Sept 20

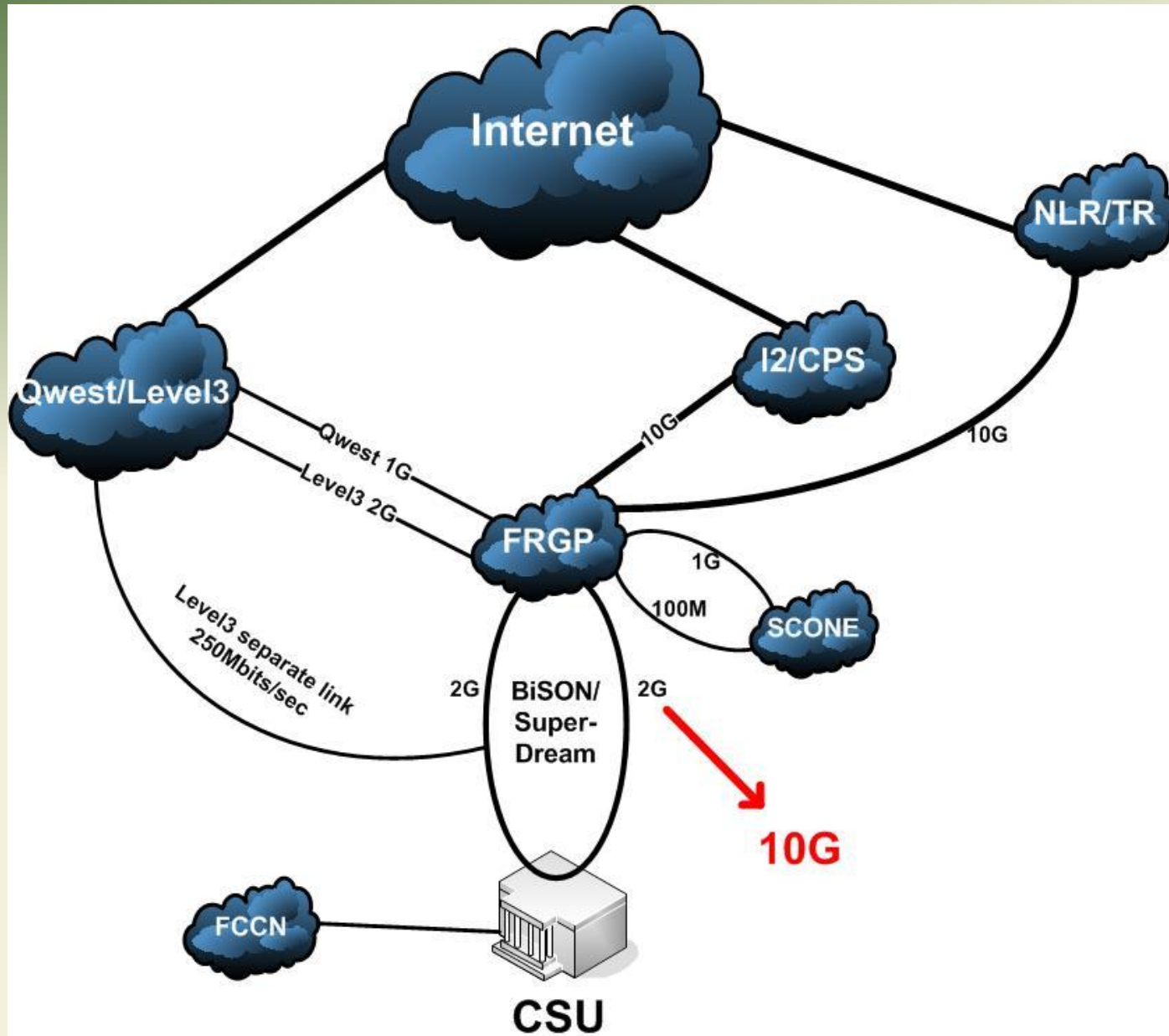
1:05AM-4:15AM: Failure of a core router in OT
Same router died again at 8:45 and a little after noon.

Wednesday, Sept 22,

6:00AM-6:06AM: Failed routing engine replaced.

Note: This router failure affected only a portion of LANs on campus connected to that equipment.

10G to FRGP



UTFAB Wireless Upgrades

- Finished since last meeting:
 - Glover
 - Aylesworth (GA areas completed.)
- Pending (by end of year):
 - Micro, Gifford, Yates, Military Science, Johnson Hall Theatre (currently in progress)
- Areas enhanced by replaced wireless:
 - Pawnee grasslands
 - Spruce
 - ERC
 - GSB

Rogues

Just a reminder from the Campus IT Security Policy:

In buildings where the central wireless network has been installed, wireless access points managed by individuals or departments are not permitted.

Clustering

- Currently slow fail over: 3-5 minutes and only for Aruba access points.
- Will redo fast failover process over Winter Break along with providing failover for non Aruba access points.

Wireless Usage

- Spring semester 2010:
 - Maximum: 2000-4000 at a time
- Fall semester 2010:
 - Maximum: 4000-6000 at a time

- **Oct 1:**

- Chemistry: 146 maximum, 120 average
- Engineering: 124 maximum, 88 average
- Natural Resources: 53 maximum, 31 average
- Plant Sciences: 60 maximum, 38 average
- Rockwell: 152 maximum, 100 average
- Anatomy/Zoology: 62 maximum, 43 average
- Wagar: 28 maximum, 14 average
- BSB: 95 maximum, 54 average (Not UTFAB funded)

New Buildings/Networks

- Recently Completed:
 - Book storage addition
- Pending:
 - 638 Sherwood
 - Engineering2
 - Morgan remodel

Security

- Secure Gateway upgrade
 - Hopefully fixed intermittent crashes
 - Upgrade went pretty seamless as the cluster handled failover!
 - Better Flash support
 - Now in a position to better evaluate new features available such as the long awaited Mac RDP!

MS Exchange – Lance Baatz

- Some Outlook connectivity issues on Monday.
 - Restart of one of the front end servers appears to have corrected the problem.
- Making MS recommended changed to Active Directory to provide a more protected environment for Exchange.

Technical Demonstration To Follow

- ACNS Mass Storage Project
 - James Cizek
 - Curtis Brown
 - Kevin Swab
- Custom built box that manages 45 1 TB drives.
 - See presentation slides on the Subnet Managers web site

<http://subnetmanagers.colostate.edu/>

Have a Happy Holiday Season

- Our next Subnet Manager's meeting is set for:

Wednesday, March 23, 2011

10 AM – Noon

LSC 203 - 205