

Subnet Managers

May 19, 2010

Are we there yet?

Agenda Items

- Security
- Campus IT Update
- Exchange 2010
- Middleware

Agenda (con't)

- Licensing/Student computer standards
- Network Operations

Security – Steve Lovaas

Cisco VPN

- Old Windows clients (older than 5.0.03) blocked starting TODAY
- No version blocking (so far) for Mac, Linux, iPod, Solaris clients

Juniper SSL Gateway (secure.colostate.edu)

- Upgrading this month, better support for Win7 (32/64-bit)
- Should avoid installer errors/pop-ups

Security

Risk Assessments Completed

- FY09: Information Systems, Institutional Research, Internal Audit
- FY10: WCNR, CAHS, Research Services (in progress)
- Volunteers to be next?

Digital Copier Security

- Recent CBS article, sensitive information on hard drives of used printers.
- These fall under hard drive disposal policies in our IT Security Policy.
- Clearer language coming in the next version.

Digital Copier Security

- Meanwhile, ask your copy sales/service firm.
- Future purchases:
 - include encryption/deletion of data in purchase specification.
- Consider ACL/firewall protection.

Campus IT – Scott Baily

- Library and ACNS Consolidation
- Network charge back
- IT Consolidation RFP
- Voice over IP (VoIP)

Exchange 2007 to Exchange 2010 Migration Update – Lance Baatz

Timeline

- Wednesday, May 26: Introduce Exchange 2010 “front end” servers
 - Maintenance Window: 10:00pm – 10:30pm
 - Short downtime for Outlook Web Access, Mobile devices (besides Blackberry), Entourage, Imap, and Outlook configured with “Outlook Anywhere” settings
- June: Migrate mailboxes
 - Mailboxes will be accessible throughout migration except for the last minute or so

“Front End” Server Effect

- New login form for Outlook Web Access...App
2007 2010

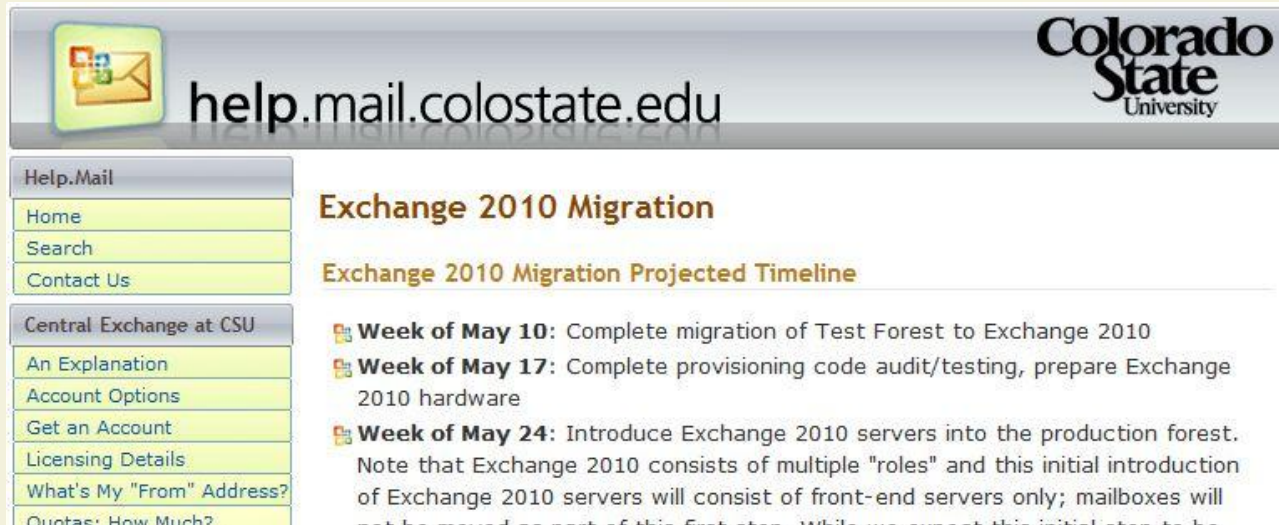


More “Front End” Server Effects...

- Should be seamless for most e-mail clients
- Known Exceptions/Issues
 - Entourage must be upgraded to Entourage 2008, Web Services Edition
 - Apple iPhone may require config change – change server setting from “mail.colostate.edu” to “mail7.colostate.edu”
 - Imap connectivity issue if “Use secure authentication” option checked
 - Others???

Need Help - Contact Us!

- Email: exchangehelp@colostate.edu
- Exchange 2010 Migration page at <http://help.mail.colostate.edu>



The screenshot shows the website help.mail.colostate.edu with the Colorado State University logo. The page features a navigation menu on the left with categories like "Help.Mail" and "Central Exchange at CSU". The main content area is titled "Exchange 2010 Migration" and includes a "Projected Timeline" with three key weeks: Week of May 10, Week of May 17, and Week of May 24.

Category	Item
Help.Mail	Home
	Search
	Contact Us
Central Exchange at CSU	An Explanation
	Account Options
	Get an Account
	Licensing Details
	What's My "From" Address?
	Quotas: How Much?

Exchange 2010 Migration

Exchange 2010 Migration Projected Timeline

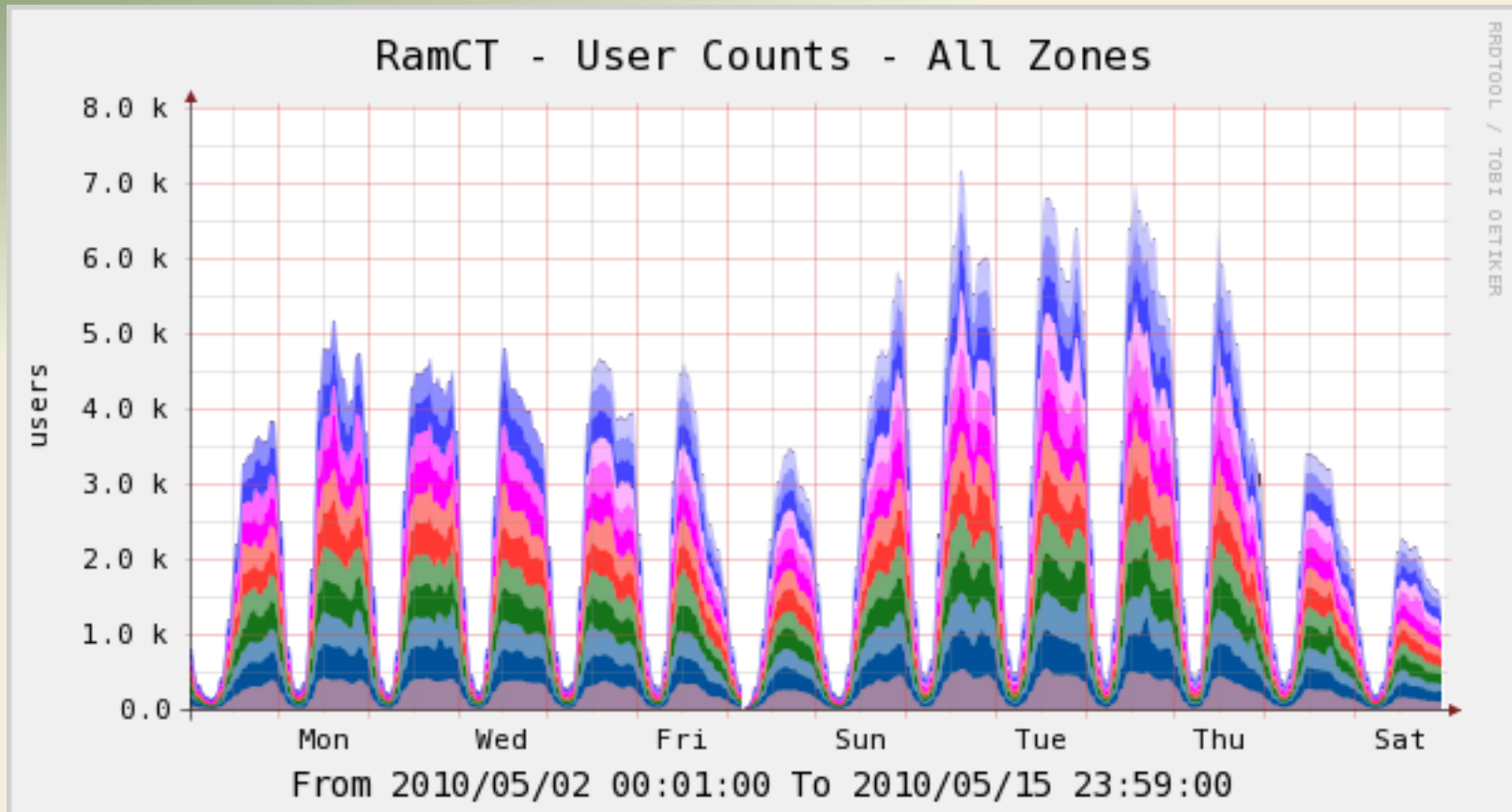
- Week of May 10:** Complete migration of Test Forest to Exchange 2010
- Week of May 17:** Complete provisioning code audit/testing, prepare Exchange 2010 hardware
- Week of May 24:** Introduce Exchange 2010 servers into the production forest. Note that Exchange 2010 consists of multiple "roles" and this initial introduction of Exchange 2010 servers will consist of front-end servers only; mailboxes will not be moved as part of this first step. While we expect this initial step to be

ACNS Middleware – Randy Miotke

- Project Updates
 - Learning Management System evaluation – Kevin Nolan
 - eID/Google Apps
 - Grader
 - Federated Authentication
 - Classroom Support Services Video Library
 - Digital Signage Emergency Messaging

RamCT

New peak: 7,300 concurrent users on May 10, 2010



RamCT

- Continuing to review LMS versions.

Looking at:

- Black Board 9.1 (Blends BB with WebCT)
- Sakai 2.6 – open source
- Faculty committee, RamCT Coordinators, Server Administrators, students.

eID

- Modifications In Development
 - Associate/Faculty/Staff email provide later option
 - Must provide an address
 - Default to Lamar address if no other is chosen
 - Long password support
 - Current minimum and complexity rules will continue be in place
 - Will support passwords up to 117 characters

eID/GoogleApps

- Applicant Forward
 - Undergraduate applicants will have a forward placed in their Google Apps account that will deliver to the email address provided to Admissions.
 - Requires the applicant to touch the Gmail account
 - Mail will be available in both accounts
 - Applicant can manage the forward
- All eID updates planned for release in early June

Grader and RamCT

- Pilot Statistics
 - 18 courses
 - 12 instructors
 - 3143 students
 - 18 enhancements and bug fixes through pilot
 - Previous system to be decommissioned on May 19

Grader

Key Application Benefits

- Migrated to supported platform (.NET/MSSQL)
- Single click import into RAMCT
 - Previously 57 steps
- RamCT eZIP integration with no need for data import
 - Previously 17 steps per exam
- Ability to import into new column or existing column in RAMCT

Federated Authentication

- InCommon Service Provider Update
 - EBooks Library - An ebook lending service
 - Production
 - Lynda.com - Online software training
 - In-process
 - Live on July 1
 - T2 (Parking)
 - In-process

Federated Authentication

- Test Service Provider
 - Small scale testing
 - Testing for centrally provided AuthN/AuthZ
- Planning for high availability

CSS Video Library

- Delivery to be transitioned from a call-in model to online on-demand beginning fall 2010
- System (TBD) to be used to catalog and provide search capability
- Final delivery model being explored
 - Probable format: H.264 – Smooth Streaming
- Digitization request form available for faculty
 - <http://mediarequest.colostate.edu>

Digital Signage Emergency Messaging

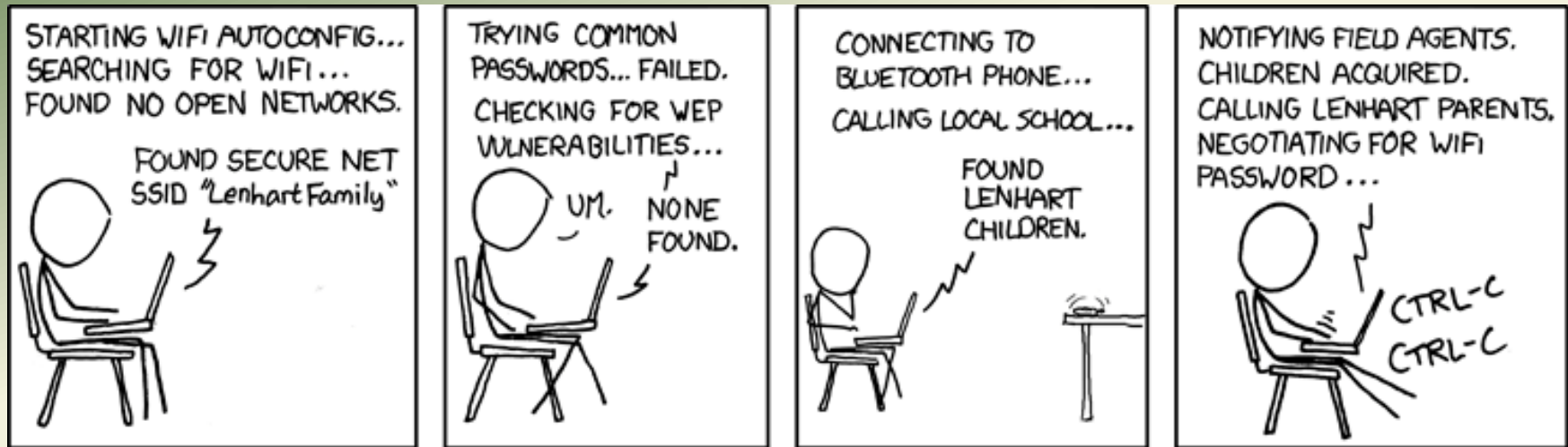
- Requirements gathering/development has begun
- Targeting a fall release

RAMTech – Diane Noren

- Site License
 - Adobe CS 5
 - Microsoft Campus Agreement
- Computer standards for students
 - Presentations to new students start next week.
 - Any major changes to computer recommendations for students?

NOC

(Network Operations Center) – Greg Redder



From: <http://xkcd.com/416/>
(Greg's drawing skills are getting better!)

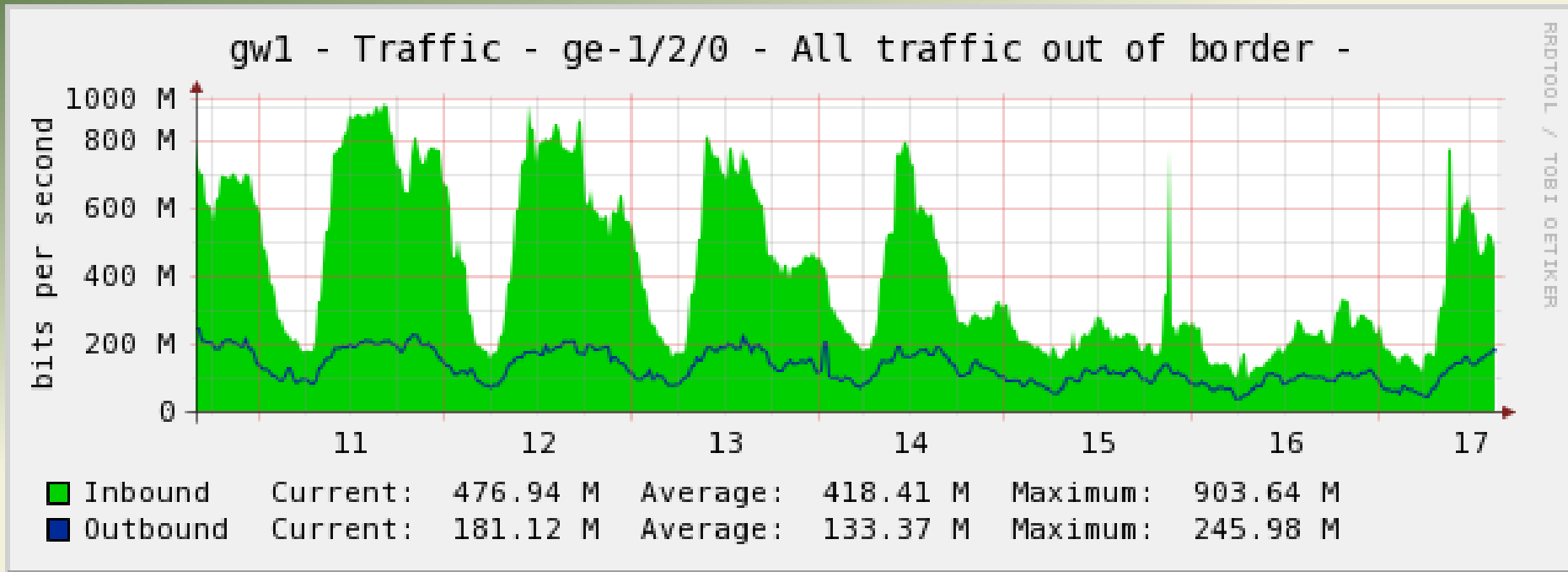
Agenda

- Network Statistics
- Core/Border upgrades status
- Wireless upgrades
- New buildings/networks
- Video Conferencing Updates
- Security
- NOC staffing...

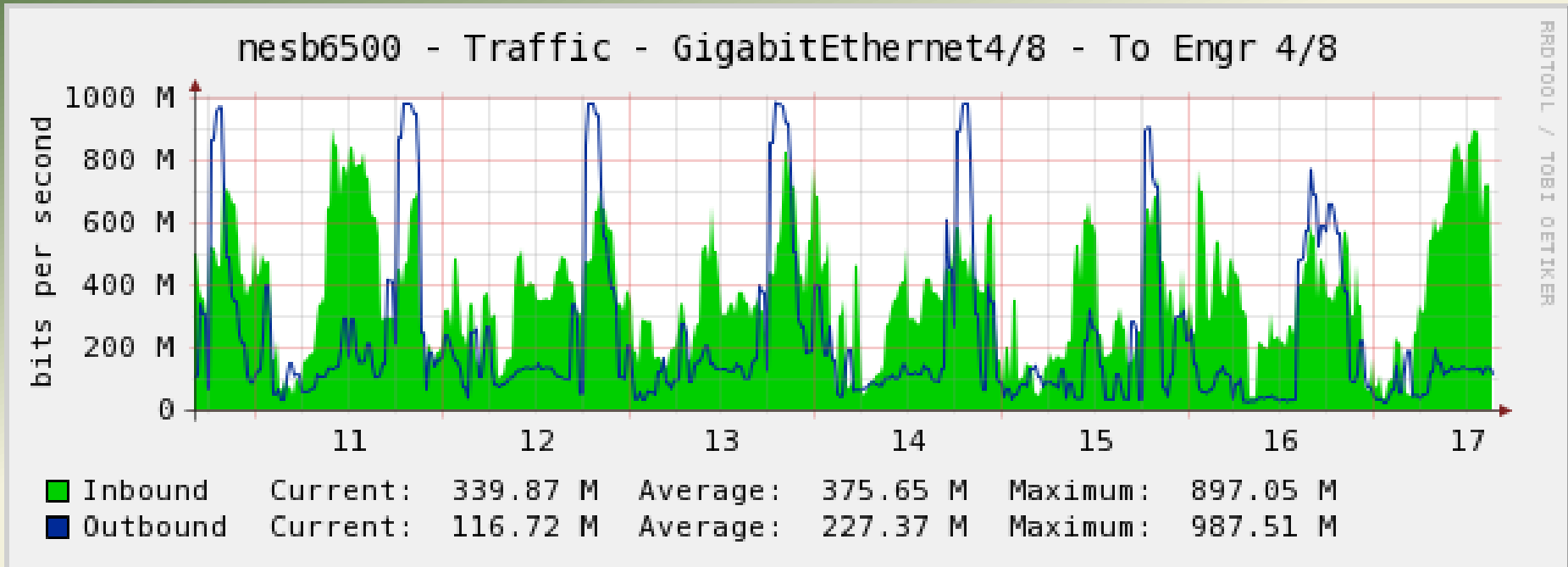
Network Statistics

- Traffic stats/issues
- Outages

All traffic to Internet (almost)



Traffic between core routers

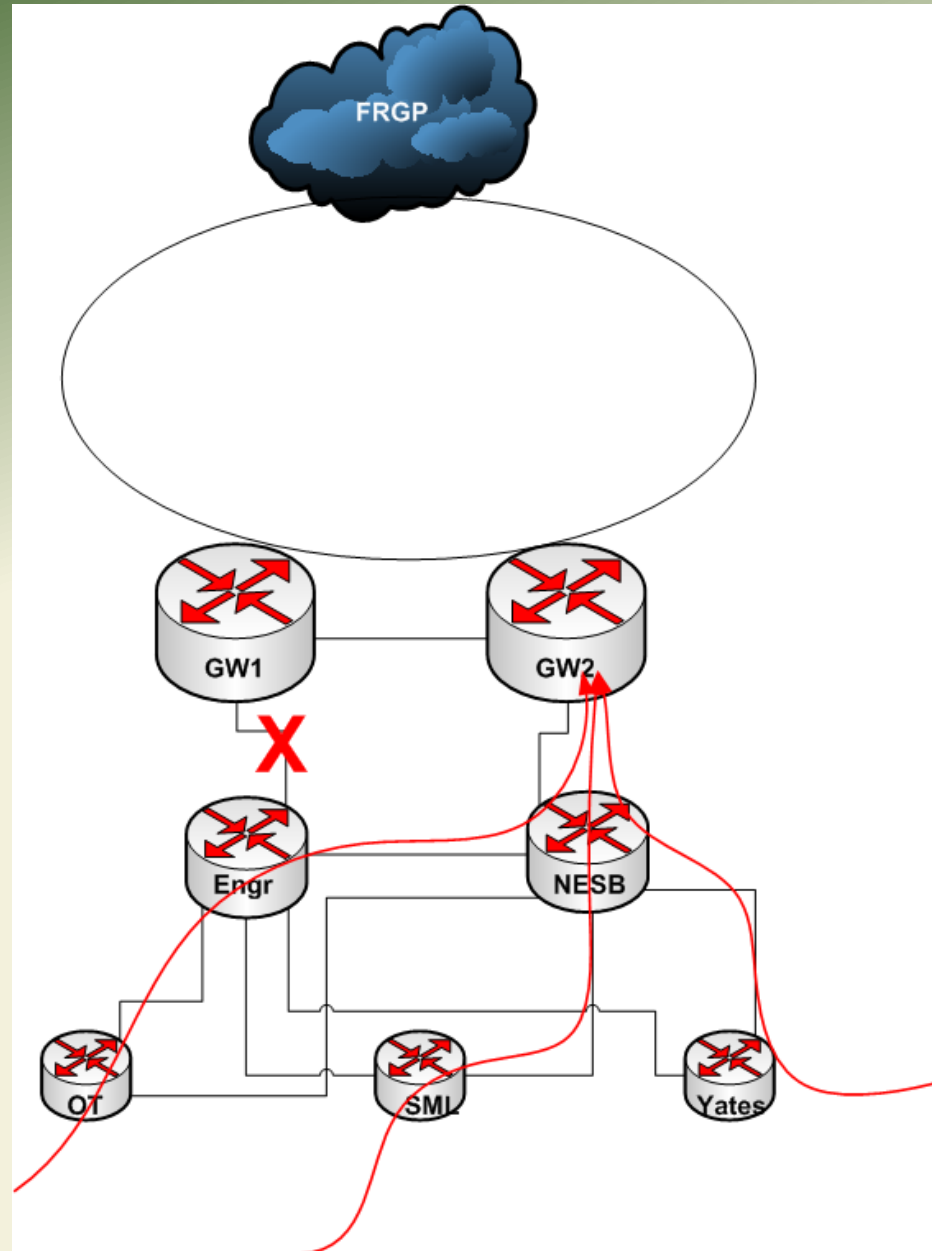


Outages (since last meeting)

0

Core/Border Upgrade Status

- Links between Core routers to be upgraded to 2Gig.
- New, second core router and border routers ordered.
- New routers are 10Gig to border, core and between!
- Funding from NSF to upgrade BiSON (our link to FRGP) to 10G approved!
- Current border router redundancy tested in mid-March successfully.



Wireless Upgrades

- Finished Phase 1 (coverage) and Phase 2 (density) in:
 - Eddy
 - Education
 - Chemistry
 - Plant Sciences
 - Wagar
 - Engineering (awaiting some wire pulls in large classrooms)
- Pending:
 - Natural Resources
 - Shepardson
 - A/Z

Wireless upgrades (continued)

- UTFAB approved approximately \$250,000 to:
 - Continue to upgrade wireless (prioritize buildings by GA seats):
 - Aylesworth
 - Microbiology
 - Gifford
 - Yates
 - Glover
 - Johnson Theatre
 - Military Science
 - Pathology
 - Physiology
 - Visual Arts
 - Animal Sciences
 - MRB
 - Guggenheim
 - NESB
 - Forestry
 - Make wireless controllers redundant to minimize any future outages
 - Pay for support contracts

New Buildings/Networks

- Recently Completed:
 - Rec Center
 - Parking Garage
 - Remington House
- Pending:
 - RIC, Foothills
 - 475 17th Street, Denver
 - Sterling
 - Behavioral Sciences (formerly "AIB")
 - Rec Center (part 2)
 - Book Storage Addition
 - Weber 2nd floor remodel
 - 638 Sherwood

Video Conferencing Updates

- Portable Video Conference Unit now available
- Participant of "Internet2 Commons"
 - Streaming
 - Recording

Contact Anthony DeNardo:
anthony.denardo@colostate.edu

NOC Staffing...

- Dick overseeing E7 project until mid August
- Replacement position in progress...

Central Servers

- Reminder from James Cizek:

Yuma, Eagle Lamar and RamCT will be down for scheduled maintenance this Saturday, May 22, 2010 from 7 – 11 AM.

Meeting Schedule

- Plan to have two Subnet Managers meetings in fall and two in spring.
- If something pressing comes up during the summer months we will communicate to the group.
- Have a great summer!