

CSU Subnet Managers Meeting

Wednesday, November 19, 2014

Happy Thanksgiving!

Agenda

- Lamar Decommission – Scott Baily
- Licensing – Diane Noren
- Ofc 365 Update – Lance Baatz
- RamCT to Canvas Update – Kevin Nolan
- Security Update – Steve Lovaas

Agenda (cont.)

Network Operations Center and VOIP –
Greg Redder

Tech Demo – Cloud Based Video Conference Software

BlueJeans, LifeSize Cloud
-Chris Chagnon, Morgan Library

Decommissioning Lamar

Campus Open Forum

- Thursday, November 20
- 9AM
- Library Events Hall



Elevating Security Awareness Webinar

- Education Advisory Board IT Forum
Thursday, Dec. 11, 11 AM – Noon

Security awareness and governance.

- Will share highlights on effective user education
- Register: www.eab.com

Licensing

- Symantec
 - Renewed for 1 year in July
 - Cost \$13.85 per FTE
- Adobe
 - Acrobat Pro Campus wide
 - FTE based
 - Renews February
- Mathematica
 - December renewal
 - \$275.00 per license via RAMtech
 - \$450 per license directly from Wolfram

RAMtech

- SPSS-Amos
 - January 1 renewal
 - Cost \$65.00 per license
 - \$1500.00 per license directly from IBM
- Apple
 - iPad Airs 2 have arrived
 - Now Educational discounts on Ipad
- Apple Pay available

Office 365 Update

Lance Baatz, ACNS

- Lamar lamar lamar
- O365 News and Roadmap
 - New version of Outlook for Mac available via <https://portal.office.com>
 - Unlimited storage for OneDrive for Business expected to be rolled out to Office 365 Education users
 - Lync name to be dropped and rebranded as Skype for Business – 1st half of 2015
 - Questions?

RamCT to Canvas Update

~ 2,700 spring 2014 RamCT courses migrated to Canvas.

2014 summer courses by early November

2014 fall courses by early February

Resources:

Information Center, Morgan 185

Workshops, open labs, 1:1 times

Focus on Web Security

Steve Lovaas, ACNS

- Recent issues
- Software versions
- Authentication
- New recommendations to IAC
- Upcoming talks

Recent Issues

- TLS and its implementation
 - Heartbleed (OpenSSL)
 - POODLE (SSL/TLS protocol fallback negotiation)
 - Schannel (Microsoft SSL/TLS handler: IIS, RDP, FTP, etc.)
- Non-SSL issues
 - Shellshock (bash vulnerability)
 - SHA-1 retirement (certificate signing)
 - RC4 retirement (weak cipher)

Versions we should be running

- Linux server: OpenSSL 1.0.1j
- Windows server: Server 2008 R2 (IIS 7.5) or later
- Mac server: 10.8 or later
- SSL/TLS versions (client and server): TLS 1.0, 1.1, 1.2
- Browser: Chrome 38-40, Firefox 33-36, IE 11, Safari 7-8

Authentication

- If it's important enough to log in, then encrypt!
- Shibboleth
- Duo two-factor authentication (testing, available now)
- InCommon personal certs (coming in 2015)

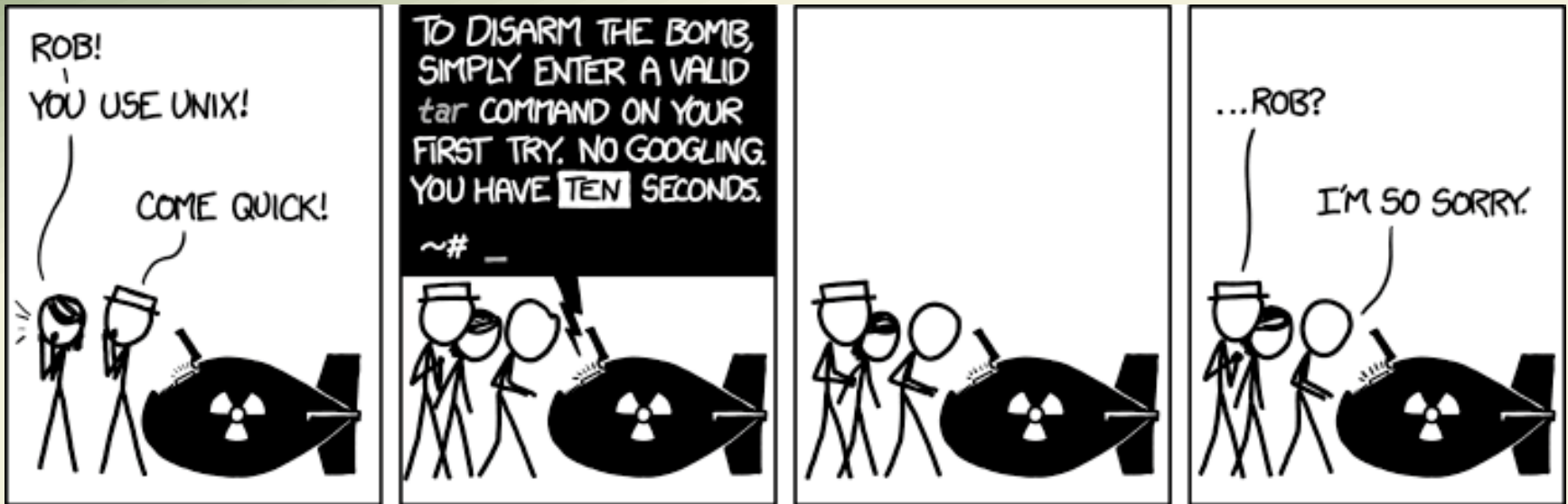
New recommendations to IAC

- To be presented at December IAC meeting
 - Policy, architecture, etc...

Security Talks Upcoming

- Risk Management Week
 - Dec 11: IT Security (general interest) – full
 - Dec 12: IT Security for CSU Departments – full
- Professional Development Institute (PDI)
 - Jan 12: Signing & Encrypting Email
 - Jan 14: TLS and Web Authentication

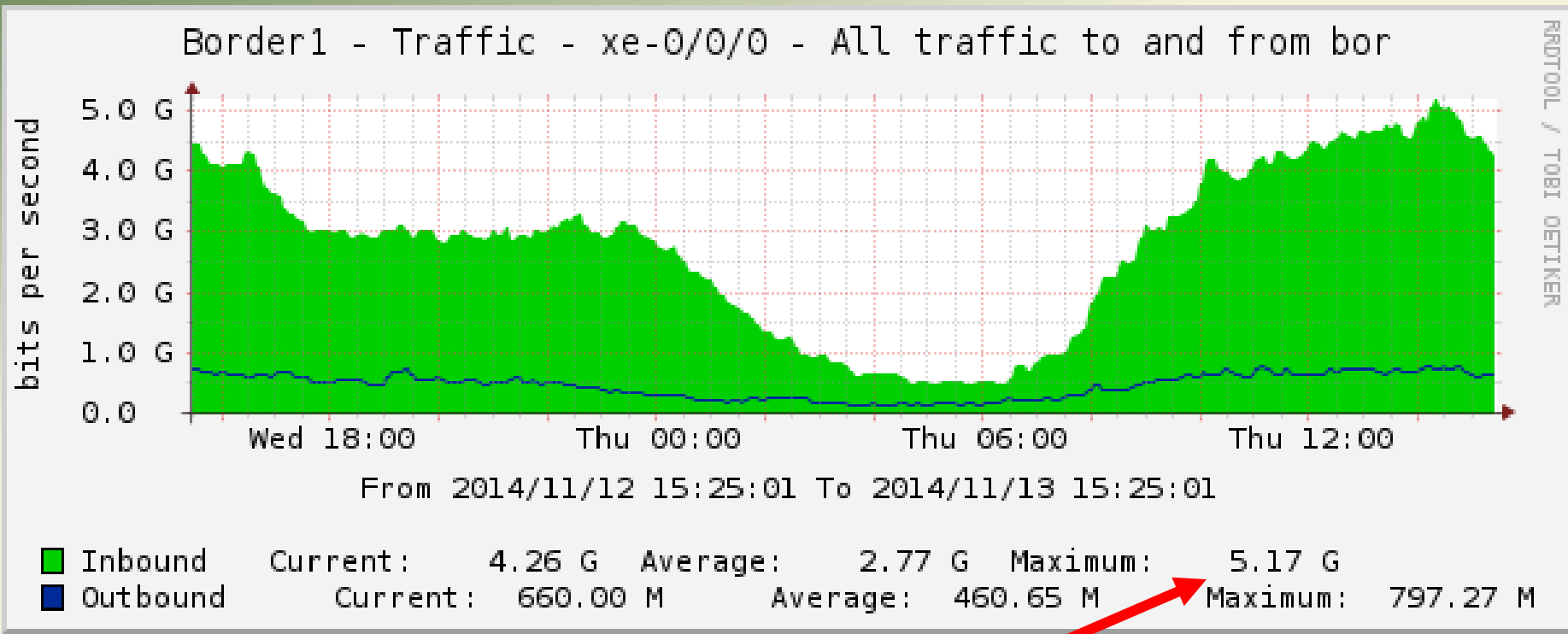
NOC (Network Operations Center) Greg Redder



Agenda

- Traffic Stats
- New dual 10Gig links
- Research LAN status
- **Wireless**
- VOIP

Traffic Stats



Traffic Stats



Apple now accessible directly via FRGP

New dual 10G links

- Morgan
- Animal Sciences
- CS (any day now!)

Pending IP Restructuring:

- BSB (Real soon)
- LSC (Real soon)
- Clark (Right after "real soon"!)
- Weber
- NR
- NESB
- Plant Sciences

Research LAN status

Three parts:

- High Performance Computing Cluster
- Globus
- ResearchLAN systems
 - Computer Science
 - Biology
 - Animal Sciences



Research LAN status

4.6Gbits/sec sustained to CS NetSec lab from I2!

1 TB in 30 minutes!



Wireless

802.11ac



GA Classrooms refreshed to 802.11ac:

- All done except for A/Z, Engineering, Clark, Morgan, TiLT

Caveat with 802.11ac

- Highest speed requires bonding of 4 channels. We bond 2 channels now.

Wireless

Planned upgrades

Old Ciscos replaced:

- EHS, Student Services, Laurel Hall, 555 S. Howes, USC, University Greenhouse, GSB, Aylesworth

Enhanced coverage

- Done: Student Services (7 new APs)
- Next: Chemistry, South College Gym

Wireless

Transition off csu-net and csu-net5

Completed: Morgan, USC, BSB

Last week: Scott Bioengineering Building and Engineering (all wings)

Next: TiLT, LSC, Clark

Wireless

“csu-guest” reasonable expectations

2Mbits/sec per client

- Not enough for everyone in a room to hit enter at the same time for a YouTube video!
- If you have need for a higher-bandwidth conference, please let NOC know at least 2 weeks in advance.

“Psst...Use wires whenever possible!”

Wireless

Rogues

Reminder:

Please discourage use of rogue, private or ad-hoc devices. They are detrimental to everyone trying to use wireless.

Wireless

Printers can have their WiFi disabled to help the “airspace”



Wireless

Relay issues though:

- help@colostate.edu
- 491-7276
- Central IT Help Desk at Morgan Library.

VOIP

Upgrade to campus VoIP servers

- Christmas Break 2014
 - Bug and stability fixes


VOIP

Next Buildings (6 months)

- Rockwell
- A/Z
- Palmer

VOIP

Moving phones (err..not moving phones!)

- Please do not move phones without a service order, as this affects Telecom's 911 records
- Telecom will move phones for FREE 
- Phone moves can now be detected. If someone has moved their phone and no Service Order was issued, there is a \$56 “move charge” assessed and records corrected.

Thank you.

noc@colostate.edu

Tech Demo

Chris Chagnon, Morgan Library

TCloud Based Video Conference Software

- BlueJeans
- LifeSize Cloud

Happy Thanksgiving!

- We return to LSC for our next meeting.
Room 328 - 330