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 Ipads

• 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

11/19/2014
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

11/19/2014
NOC
(Network Operations Center)
Greg Redder

ROB!
YOU USE UNIX!
COME QUICK!

TO DISARM THE BOMB, SIMPLY ENTER A VALID tar COMMAND ON YOUR FIRST TRY. NO GOOGLING. YOU HAVE TEN SECONDS.

~#

...ROB?
I'M SO SORRY.

HTTP://IMGS.XKCD.COM/COMICS/TAR.PNG
Agenda

• Traffic Stats
• New dual 10Gig links
• Research LAN status

• Wireless
• VOIP
Traffic Stats

Border1 - Traffic - xe-0/0/0 - All traffic to and from bor

From 2014/11/12 15:25:01 To 2014/11/13 15:25:01

- Inbound
  - Current: 4.26 G
  - Average: 2.77 G
  - Maximum: 5.17 G

- Outbound
  - Current: 660.00 M
  - Average: 460.65 M
  - Maximum: 797.27 M
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!”
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