CSU Subnet Managers Meeting

Wednesday, April 2, 2014
Agenda

- VOIP Update – Kyle Haefner
- Middleware Update – Randy Miotke
- Campus Standards – Kevin Nolan
Agenda (cont.)

• RAMtech Licensing / Renewal Update – Diane Noren

• Security Update – Steve Lovaas

• Network Operations Center – Greg Redder

• Office 365 Update – Scott Baily
VoIP Stats – Kyle Haefner

- 4029 Phones
- 688,489 calls in 2014
Recently Completed Buildings

- Green Hall
- Physiology
- Ammons Hall
- Military Science
- Facilities
  - North
  - South
Upcoming Buildings

– Environment Health Building
– MRB
– AIDL
– Plant Science
– Animal Science
– Laurel Village
– Gifford

04/02/2014
Upgrades

• Standardized on biannual versions
  – June
  – December

• Phone Firmware
  – Testing upgrade (possibly May 24th)
    • Hoteling
    • Push config without reboot.
    • Push to talk
    • Faster Boot times
Reminders

• Moving Phones – Don’t!
  – Telecom will move them for FREE

• No Building Power = No network = No Phone
Middleware

Randy Miotke, ACNS

• eID
  – Users who have a name change will be able to retain their professional name in an email alias.
  – Would work with their HR person.

• Shibboleth
  – Beefing up infrastructure.
  – More and more CSU services will become Shibbolized.
Campus Standards - Hardware/Software

Kevin Nolan, ACNS

• Windows, Mac and Unix Advisory Groups will review and make recommendations

• Windows Advisory Group (WAG)
  – Chair: Paul Harmon, Paul.Harmon@colostate.edu

• Mac Advisory Group (MAG)
  – Chair: CJ Keist, cj.keist@colostate.edu

• Unix Advisory Group
  – Will meet Apr. 15, 10 AM, Weber 202
  – Chair: Curtis Brown Curtis.Brown@colostate.edu

http://www.acns.colostate.edu/Policies/ComputingStandards
Licensing

• Microsoft Campus Agreement (Aug)
  – FTE counts from IR will be sent by end of this week
  – Need updated FTE counts sent back to Diane
    by April 25, 2014  diane.noren@colostate.edu

• Adobe
  – Acrobat Pro Campus wide
  – Cost per FTE $11.25
  – Can still participate
  – Acrobat Pro XI per computer $79.99
• Mathematica
  – Tech talk on Mathematica 9
    Date: Monday, April 28, 2014
    Time: 10:00 am – 11:00 am
    Where: Weber 202

• Apple
  – Ipad 2s 16 Gb now $349.00
  – Ipad 4s 16 Gb now $399.00
  – 5 or more Apple computers of same model
    • RAMtech discount is an additional 2% off the educational price

• RAMtech delivers to all departments
• **Adobe Home Use**
  – Creative Cloud on sale $199.00 till April 14, 2014
  – Adobe CS 6 available till April 25, 2014

• **Replacing XP- Home Use**
  – Windows 7 Pro X64 cost $54.99
  – Laptops starting at $475.00 In-stock
  – Can Special Order
Security Stuff

Steve Lovaas, ACNS
Security items

Windows XP
Juniper SSL Gateway
Symantec Endpoint Protection
Credit Card Security
Network Vulnerability Scanning
XP

• 6 days left until Redmond pulls the plug

• Most of you have gotten rid of most of them

• Some remain – at most a couple hundred
  – If it’s more than a few weeks, you need to wall them off
  – And these shouldn’t be general use – web, email, etc.

• If we see infection traffic or exploits
  – We’ll block by IP at the core router (please, no DHCP)
  – Discovering via AD, DHCP, SEP, and passive fingerprint
Juniper SSL Gateway

• Changes coming soon – Anticipated late May 2014
  – New IP addresses
  – Major version update
    • Chrome now on the list for basic support
    • Increased support for Windows 8.1 and Mavericks

– Transition from Network Connect to Pulse Desktop
  • NC already doomed for Mavericks
  • We’ve been using Pulse Desktop for years. It works.
  • Documentation coming soon
Symantec Endpoint Protection

• 5-year contract ending, considering options

• Committee recommends continuing with Symantec as campus standard

• Working through two basic pricing options
  – Simple renewal of per-seat license for those participating
  – New FTE-based license model for EDU (based on full participation), adds more capabilities but costs more

• Will be a bid process starting very soon
Credit Card Security: PCI-DSS

• PCI-DSS = Payment Card Industry Data Security Standard

• Version 3.0 is coming, required in 2015
  – Changes in whether web servers are in-scope
    • (even when outsourcing the payment gateway)
  – The PCI team will be making recommendations soon
  – Exploring new architecture possibilities
Vulnerability Scanning

• We’ve done Nessus/nmap scanning for years
  – For registered servers with sensitive data
  – On request
  – For PCI-covered devices

• We’d like to expand this
  – Periodic scanning of everything on campus
  – We have a student working on a distribution process
  – Trying to make the results easier to understand/act on
  – We’ll discuss more with the IAC
Questions?
NOC
(Network Operations Center)
Greg Redder

HOME ORGANIZATION TIP:
JUST GIVE UP.
Agenda

• Traffic Update
• New core routers
• Building update
• Wireless
• Research LAN
• VOIP
• Security
Traffic Update

- Over 5Gbits/sec!
  Traffic composed of Residence Halls, Campus, Fort Collins Community Network.
New core routers

Internet

Border1

Border2

New Core

Core

Bldg A

Bldg B

Bldg C

04/02/2014
Network Operations Policy and CIC update

Building update

Completed since last meeting:

- Facilities North & South – CIC/VOIP
- IDA – CIC/VOIP
- Aylesworth – CIC/VOIP
- Gifford – CIC/VOIP
- MRB – CIC/VOIP
- 1304 S. Shields – newly acquired property
- 1302 S. Shields – newly acquired property
- 2537 Research Blvd – newly acquired property
- EECL addition (building project)
- 10G to Morgan
- Plant Sci – CIC/VOIP
- 20G to IDRC

04/02/2014
Network Operations Policy and CIC update
Building update

Coming soon...

– AIDL - CIC/VOIP
– Animal Science – building project
– LSC – building project
– Laurel Village – building project
– Housing VOIP/Cameras - VOIP
Closet of shame
...much better
Closet of shame
...much better
Wireless update

Recent/pending
• Clark A and Clark C: 5GHz, density upgrade
• Morgan: upgrade to start after Finals with some AC capability

UTFAB and Central Funding proposals
• Add FTE
• Upgrade all GA classrooms to 802.11ac and all GA buildings to 5GHz coverage (up from 2.4GHz coverage)
• Cover non GA buildings with what comes out of UTFAB refresh plus additional funding.

04/02/2014
Wireless update

• 802.11ac – phase 1 approved. All new APs to be ac capable.

• Conference room and classroom screen mirroring/sharing
  • AirPlay
  • WiDi

• Relay issues though:
  – help@colostate.edu
  – 491-7276
  – Central IT Help Desk at Morgan Library.
Wireless update

Guest wireless
  – removing authentication requirement

New SSID plan:
  – csu-eid
  – csu-guest
  – eduroam
  (all others to be “hidden”)

04/02/2014
New Wireless Map
Research LAN

• Globus OnLine

• CS (Christos)

• Biology (Ross Madden, Dan Sloan, Dan Hamp)
What you’ll see:
• After deploying machines with this NIC, your network may get very sluggish and adversely affect voice and data connections even with the machines off!

Fix:
• Download, install, reboot: \csunts.acns.colostate.edu\campussoftware\HP_Intel_i217-LM_Driver
• Turn off IPV6
• Wait and see!
Thank you.

noc@colostate.edu
Office 365 Update

Scott Baily, ACNS
Contract Status

• Agreement between Internet2 and MS is done
  – Took well over a year to happen
  – Includes a shared premier support agreement

• Agreement between CSU and Internet2 very, very close

• Agreement between CSU and MS requires only minor amendment
Unified Messaging (Voicemail)

• Not included the “A2 SKU”, and can’t be separated from email

• Insisting that MS provide good, volume pricing to keep VM costs the same

• Last contacted MS on Monday, 4/1

• Other option is to use internal SipX voicemail and send MP3 files to Office 365 Email account – adds complexity and indirection
Timeline

- Summer-Fall 2014 being mass migration of Exchange accounts (email and calendaring)
  - Wrap up spring semester, 2015

- Working with MS Premier TAM for scheduling resources to assist with heavy lifting

- Some services, such as Lync and Skydrive, will likely be enabled (and available) by default

- Happy to work with those desiring to be early adopters

04/02/2014
Lamar Accounts

• The timing of sunsetting lamar accounts will be governed by the InCommon LOA2

• About 1500 active grad student accounts now

• Retiree accounts likely to be the most challenging

• Ultimately, Lamar accounts will be going away
IOS and Office Applications

• Microsoft released Office for Mac last week

• Full version requires Office 365 Subscription
  – Not covered in the A2 SKU

• Fac/Staff Options include:
  – O365 ProPlus for faculty (close to A3 cost)
  – O365 University (personal purchase)
  – O365 Home
Questions

• Are most welcome
Next Subnet Managers Meeting

Wednesday, May 21, 2014
10 AM - Noon
LSC 224 - 226