

# **CSU Subnet Managers Meeting**

Wednesday, September 18, 2013

Hope everyone is safe and dry.

Welcome to the Event Hall!

# Agenda

- VOIP Update – Kyle Haefner
- Alumni Email – Adam Warren
- RAMtech Licensing / Renewal Update  
– Diane Noren
- Office 365 Update – Joe Volesky
- RamCT Update – Kevin Nolan

## **Agenda (cont.)**

- IS Java – Alan Hill
- Security Update – Steve Lovaas
- Network Operations Center – Richard Duffy
- Ellucian Mobile Demo – Rami Jalal
  - I'm going to miss saying "Boopsie"!

# VoIP Project Update

Kyle Haefner



# VoIP Update

- 3,323 Phones ~ 50% of phones on campus
- 12,000+ calls a day
- New service order/billing system PCR 360
- New Project Manager starts Oct. 1st

# Upcoming Buildings

- Education
- NESB
- Green Hall
- MRB
- Physiology

## @rams to @alumni

- Adam Warren – ACNS
- [First.LastYY@alumni.colostate.edu](mailto:First.LastYY@alumni.colostate.edu)
  - In case of name collision fail over to ename
- Began with spring 2013 graduates

# Licensing Update

Diane Noren, RAMtech

- Location, location, location.
- Site License update.



# Office 365 Update

- Joe Volesky, ACNS

# RamCT Update

- Kevin Nolan, ACNS
- OLD RamCT now gone.
- Will delete Summer 2011 RamCT courses in early October.
- Testing SP 13
  - Go or No Go
  - Planned install Jan 5/6, 2014.
  - Unavailable for about 12 hours.

# IS Java Update

Alan Hill, IS

- Certification by vendor prompts rec. Java upgrades.
- Oracle HR pretty quick to adopt upgrade.
- Banner a bit slower to adopt.
- IS tries to upgrade as soon as possible once certified.

# IS and Java

- For HR, can install latest Java 7. (u 25 or higher)
- For Banner, still need to keep Java 6 on system until Banner upgrade on Sept. 29.
- Then should be able to move to Java 7 for Banner and Kualu.
- IS will send notification when Banner upgrade is complete and it's OK to upgrade.
- Questions? Alan.Hill@ColoState.EDU

# Security Update

- Steve Lovaas, ACNS
- End of XP/2003
- InCommon certificates
- Eduroam
- Password changes for students/retirees/associates

# **NOC**

## **(Network Operations Center)**

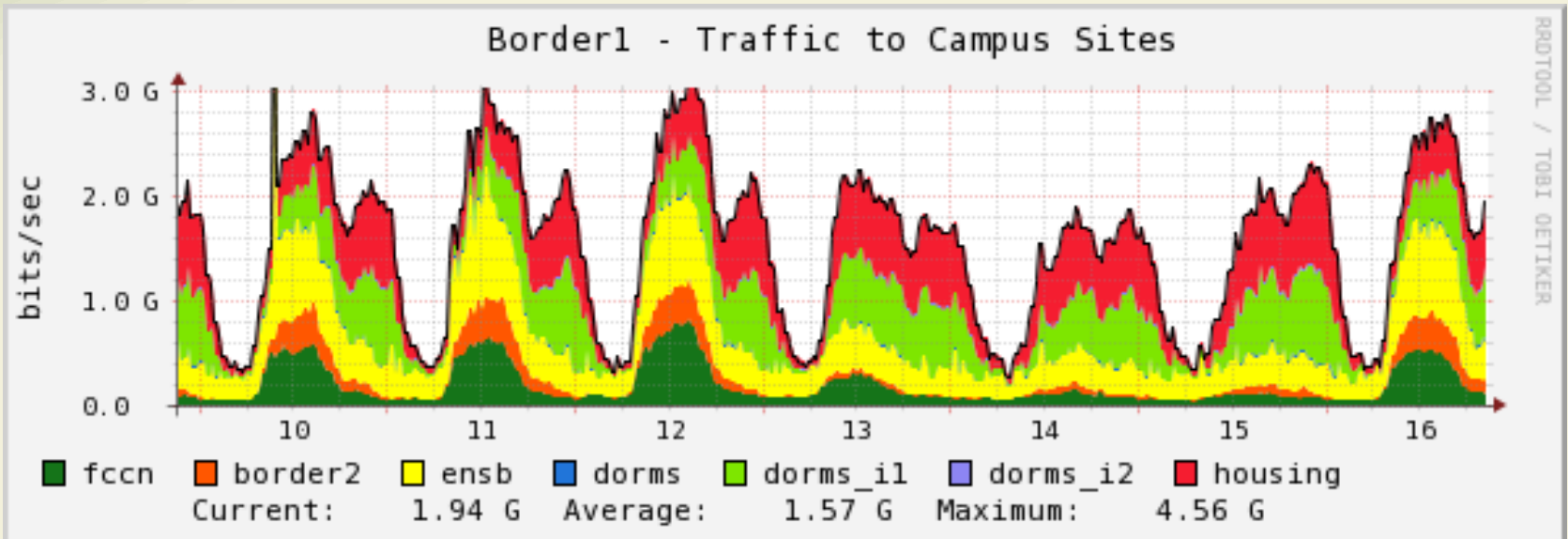
### **Richard Duffy**

## **Agenda**

- Traffic update
- Building progress/update
- Wireless update

# Traffic Update

- Regularly peaking over 3G!
  - A little more colorful than usual – shows traffic composed of Residence Halls, Campus, Fort Collins Community Network.



# Traffic update

- August traffic stats:
  - Maximums:
    - Main Campus Wired Connections: 30,533
    - Main Campus Wireless: 38,127
  - Averages per day:
    - Average Wireless Users: 8,135
    - Average Wired Users: 21,285
- Saw 10K simultaneous users on the wireless at end of August – new record!



# **Network Operations Policy and CIC update Building update**

## **Completed since last meeting:**

- Shepardson (CIC/VOIP, department funding)
- University Square (CIC/VOIP)
- Education (CIC/VOIP)
- Sage Hall (CIC/VOIP)
- SBB (aka "E2") – new building

# Building update (cont.)

- Beam Lab – new building
- Ram Zone – in old Northern Hotel
- LSC moves and LSC North rework! (building project)
  - Morgan Library
  - 1220 S. College
  - 706 S. College
  - Drake Center
  - MAC Gym

# **Network Operations Policy and CIC update Building update**

## **Coming soon...**

- Ammons Hall – CIC/VOIP
- NESB – CIC/VOIP/Department
- IDA – CIC/VOIP
- AIDL - CIC/VOIP
- Aylesworth – CIC/VOIP
- 1304 S. Shields – newly acquired property

# Wireless update

- Additions/upgrades
- csu-net5

# Wireless update

## Additions

- UTFAB approval:
  - Upgrade to 5GHz coverage/density support in Morgan/Clark/CS/TiLT
  - Dedicate/hire an additional FTE for wireless support
  - Concentrate on getting 5Ghz density support in General Assignment (GA) classrooms and assure that the entire building has 2.4GHz coverage. (Note: This only applies to buildings with GA classrooms. Wireless outside of this directive must come from departments/projects.)

# Wireless update

The following have been completed:

- Johnson 222
- Shepardson 118
- Vis Arts M109
- Chemistry: A101, A102
- Anatomy/Zoology: W118
- Yates 406

The following are pending

- CS – September – better coverage at 2.4 and 5GHz
- Clark C in October – capacity increase
- Clark A in December – after finals, capacity increase
- Other GA classrooms to full 5GHz support as aggressively as possible!

# Wireless update

- csu-net5:
  - Now everywhere (that 5GHz reaches!)
- Wireless for projectors:
  - AppleTV – doesn't work well on enterprise wireless. Limited testing is underway to support iPads.
  - Chromecast – doesn't support enterprise encryption, limited to 2.4GHz
  - WiDi – protocol on many Intel chips. Not supported by Apple.
  - Desperately trying to find a **scalable, non-interfering solution that works on IOS, MacOS and Windows!**
  - This problem is common to Higher Education across the country.
- Authentication server update

# Miscellaneous

New core routers on-site and being configured. Buildings to be moved one at a time starting in October. These routers will provide much better 10G connectivity and overall performance.

Zack Davis – new member primarily responsible for dealing with vlan/port changes, switch installs, cabling, and other “field work”. Zack is a CSU alum! Meanwhile, Jim Farnell and Steve Banghart to focus on wireless per UTFAB request.

As always...for fastest response, e-mail: [noc@colostate.edu](mailto:noc@colostate.edu) as team members can handle, or at least triage, all requests.

Thank you!!! ....and thanks to Richard on my behalf --Greg



# Ellucian Mobile Demo

- Rami Jalal, IS