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

09/18/2013
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

Unified Communications

- Voice
- Video
- Instant Messaging
- Email
- Presence
- Mobile
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
  - 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.

09/18/2013
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 Kuali.

• 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

09/18/2013
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
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 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