

CSU Subnet Managers

May 23, 2018

Hey, I found a parking space!



Agenda

- IS – Josh Clark
- Central Systems – James Cizek
- Project Mgt – Dave Hoffman
- Licensing – Diane Noren
- Security – Steve Lovaas
- Network / Telecom – Richard Duffy
- Special Guest: Our friends from Apple!



IS Update

Josh Clark

- Banner
- KFS
- HR



ACNS Central Systems

James Cizek

- Research Storage
- LAMP system



Project Management

- Dave Hoffman



Licensing

Microsoft

- EES- Enrollment for Education Solutions
 - CSUs current subscription based model
 - Renews June 30,2018
 - FTE counts same as spread sheet distributed at IAC
 - **Desktop Bundle**
 - =Office +Windows +Core CALs
 - **Enterprise Bundle**
 - =Office +Windows +Enterprise CALS
 - **Office** only
 - **Core CALs** only



Licensing

- Windows Server and System Center

- Now core based

All physical cores on the server must be licensed, subject to a minimum of 8 core licenses per physical processor and a minimum of 16 core licenses per server.

- 8-2 core packs
- Please get me updated Server counts by end of Month
- a Separate update order for Servers will be added to EES contract.



Licensing

- Adobe Creative Cloud-reminders

Device Licenses

– If you are rebuilding Labs and renaming computers

You must send an email to

Diane.Noren@colostate.edu

1. name of old computer – remove Creative Cloud

2. name of new computer- Creative cloud is to be installed on

- Will be working on a new Device license build this week.



Licensing

- SAS- Renews July1
 - Need confirmation of # of SAS licenses for renewal
 - Send counts to Diane.Noren@colostate.edu
- JMP- The Statistics Department is now requiring JMP. They are paying for the Academic license for teaching and research.
 - If JMP is being used to operate the department or improve the Department/University then an Administrative license must be purchased.



RAMtech

- End of Year Purchases
 - Please get the orders in ASAP
 - Most orders 7-10 day turn around

Questions



Security Update

Steve Lovaas

Information Security Officer



Topics

- Duo status
- Compliance
- Student team



Duo Status

- 10,681 users/10,911 devices – not a lot with more than one
- Statistical success
 - 87.9% successful authentications (failures are amplified, and we pursue them)
- Anecdotal success
 - Unsolicited comments: “it’s a lot easier than I thought it would be”
- Devices
 - 53% iOS, 28% Android, 14% landline, 3% other phone
 - 2% hardware tokens (210 of them)
- Next steps
 - Office365 integration being evaluated
 - Working on integration of Pulse/Shibboleth to reduce # of logins



The World of Security/Privacy Compliance

- Federal/Research
 - CUI environment ready to work on populating users & project data
- European Union
 - GDPR working with departments on an inventory of EU data
- Health
 - IPAA formalizing treatment of sites, preparing for audit
- PCI
 - Rolling out BlueFin point-of-sale terminals with end-to-end encryption



Building a Student Security Team

- Some additional state funding becoming available
- Focus on apprenticeship/internship model
- Grad assistants, undergrad hourlies
- Educational development as well as production experience
- Stay tuned for more details



NOC/Telecom

Richard Duffy

(with some help from Rick Branham and Keith Gallegos!)

- Data
- Voice



Data

POE

- Completing in June: Continuing move across campus to turn this off except where needed.
- Conference room phones – need power injector!



Data

Sunday, July 8, 6AM-Noon

- Upgrades in data center to;
 - Data center firewalls
 - Switch infrastructure
 - Code upgrades
- Expect brief interruptions in central services as this work is performed.



Data/Voice

Maintenance/Outages

- Generated from ACNS/Telecom outages page (www.acns.colostate.edu -> "System Status and Current Outages")
- No "Maintenance Completed" messages sent unless maintenance runs over, in which case that's an "Outage"!
- Outages will be announced at start and finish via-e-mail. Updates in between will be posted to the status page only.



Voice

Fixes during pending June upgrade:

- Presence – no, really!
- Direct dial of 911 from phones skipping SIPX servers to improve reliability



Data/Voice

(with help from Rick and Keith)

Helpdesk – trying to run all voice related and data activation requests through HelpDesk to decrease response time and track more efficiently...

For all voice related issues or data/jack activations:

- Call Telecom at 491-5881 for a variety of items including being able to open a helpdesk trouble ticket
- E-mail help@colostate.edu with your "voice" related question
- If you contact telecom staff separately, we'll open a ticket on your behalf.



Data/Voice

Future vision:

- Route all routine NOC/Telecom help requests through helpdesk as opposed to separate numbers/emails/staff



Data/Voice

Finally...

Old Analog Phone Switch "SL-100" - only 6 phone lines going to CSUPD are on this. Otherwise, it's no longer in service!



Data/Voice

Finally, finally....

(In honor of Kyle who can't be here...")

Don't move your (*all together now....*)

"Phones"



NOC
&
Telecommunications



thank you!



Apple

- Updates since November
- Security and Privacy with Apple
- Open topics



See you in the Fall!

