CAMPUS TECH MEETING

Tuesday August 21, 2018
Agenda

- Organizational Updates
- Windows 2008/2008r2
- File Server to Dropbox
- System Center Configuration Manager (SCCM)
- Classroom Technology Upgrade
- Network Infrastructure Updates
- Information Security Updates
- Employee Training Center (ETC)
- TitanNet
- Calendar / 25Live
- Academic Technology Updates
- Survey
Organizational Updates

Berhanu Tadesse
Organizational Updates

- Welson Badal – Assistant Vice President of IT
- Rachel Lasser – Interim Director of Administrative Systems
- Raymond Venegas – Director of IT for Extension and International Programs
Be prepared for Windows 2008/2008r2
Projected End of Life:
Jan 14, 2020

Bill Elbettar
File Server to Dropbox

- Decommissioning file servers to reduce storage cost and increase availability
- Plan is to migrate identified contents of file servers to Dropbox
- Working with college techs and server owners
  - Identify the file servers
  - Identify types of data stored in file servers
    - Level 1 data will NOT be moved to Dropbox
    - Level 2 and Level 3 data will be moved to Dropbox
    - Information on data classifications can be found on ISO website
- Identify data owners
- Set up with administrative accounts and/or Team Folder
- Provide training to staff if necessary
System Center Configuration Manager (SCCM)

Hector Ramirez / JP Marquez
SCCM

• SCCM was implemented to reduce cost and provide a centrally managed solution

Current state:
• 2,690 endpoints in AD are supervised, receiving critical patches and daily virus definition updates
• 16 servers in pilot patching group
• 157 endpoints in ACAD (general use classrooms)
• Collaborating with AFIT, College of Education and DSS
  • Access to SCCM Console
• Software Center available to IT
  • Advertising software for installation with no admin rights needed (i.e. Office Pro Plus, Visio, Project, and more)
Software Center

California State University Fullerton

Applications

Updates
Operating Systems
Installation status
Device compliance
Options

Microsoft Office 365 ProPlus (x64)
Adobe Acrobat Pro DC 2018 (x64)
VLC Media Player (x64)
Snagit 13 (x64)
Camtasia 9 (x64)
Adobe Illustrator 2018 CC (x64)
Adobe Core Apps 2018 (x64)
Microsoft Office Professional Plus (x64)
System Center Configuration Manager (x64)
Visio Pro 2016 (x64)
Project Pro 2016 (x64)
Moving forward:

- ACAD distribution point will host campus lab images
- Make Software Center available to rest of campus
- Use SCCM monitoring and Dashboards to proactively address issues
- Retiring BigFix
- Install SCCM agent on all campus computers
  - `\adselect\shares1\Client Software\SCCM\Client`
- Find out who is using Deep Freeze
Classroom Technology Upgrade

Hector Ramirez / Kris Mosser
Classroom Technology Upgrade

- Upgrading AV and technology in 24 college owned classrooms to meet general use classroom standards
- Upgrades include:
  - PC or Mac with base classroom image
  - Projector – Epson Pro G 7500U
  - Projector screen – DaLite Model C w/ CSR
  - Apple TV – 4th Gen 32GB
  - Speakers – Wall or ceiling speakers based on room type
  - Podium – Middle Atlantic classroom podium
  - Document Camera – Elmo TT-12iD
  - Laptop Connectivity – HDMI and VGA
  - Paint
Classroom Technology Upgrade

- Work will be completed by beginning of Fall semester
- Room list:
  - CPAC-160, CPAC-254
  - CS-101, CS-200, CS-202, CS-408
  - E-303, E-302
  - EC-031, EC-009, EC-025
  - H-422, H-326A
  - LH-320A
  - MH-263, MH-452, MH-553, MH-501
  - VA-175, VA-176, VA-180, VA-184, VA-275, VA-281
Network Infrastructure Updates

Jay Lin
Network Updates

- To upgrade the Internet connectivity speed on campus
- Cenic 100G equipment installed in campus modular Data Center
- Campus Internet speed upgraded from 10G to 20G
- Currently, equipment is capable of performing at 20Gbs, has the capacity to upgrade to 100Gbs
Network Diagram

Campus Buildings
Example: PLN/PLS

CENIC Tustin Path

PA-LBO Campus Firewall

Campus Buildings
Example: PLN/PLS
Palo Alto Network (PAN) Firewall Migration Project

<table>
<thead>
<tr>
<th>Dates</th>
<th>Activity</th>
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<tbody>
<tr>
<td>6/28</td>
<td>Admin-Firewall (CheckPoint)</td>
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<tr>
<td>8/14</td>
<td>Campus-Firewall</td>
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<tr>
<td>9/27</td>
<td>ACAD-Firewall - Impact College Lab network, wireless</td>
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<tr>
<td>TBD</td>
<td>CSU Sac DR Site, CSUDH VoIP</td>
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<tr>
<td>TBD</td>
<td>Remaining firewall – Housing, UPD, Trigen</td>
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<td>Will coordinate with departments to schedule</td>
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</tbody>
</table>

- Provided 20G Internet bandwidth from Cenic -> Border Router -> Firewall -> Campus Core
- New Authentication Page to replace CheckPoint Authentication Page
- Submit authentication issue through ServiceNow
Example Firewall Rule Change Request

Email submission format

• Send firewall request to: netops@Fullerton.edu
• Subject: New FW Rule Change Request
• Body:
  • FW Rule Change Type – dbfileshare, auth rules, TCP 1433
  • Justification
    • For developers to test the portal apps and other various CWID applications to connect to dbfileshare with management studio
  • Description
    • Allow members of SG-IT-SQL-Admin to access the server after authenticating to firewall
  • Affected FW: Admin firewall
  • Source (IP/Net): SG-IT-SQL-Admin@CSUF-Pub-Net
  • Dest (IP/Net): dbfileshare (137.151.117.89)
  • Dest Port(s): TCP 1433
Eduroam Wireless Update (EAP-TLS)

- EAP-TLS device certificate based authentication
  - Benefits:
    - Certificate based not username/password based. Eduroam will remain connected even with subsequent password changes.
    - Less overhead on authentication server.
  - Instructions:
    - [http://wireless.fullerton.edu/](http://wireless.fullerton.edu/) under “HELP TUTORIALS” tab
Information Security Updates

Tony Modiri
Duo Multi-Factor Authentication

- Identified employees with the following access are required to use Duo MFA by September 28, 2018:
  - Student Health Center
  - Employees handling credit card data
  - Employees with PeopleSoft L1 data remote access
  - System Administrators

![Duo Security login interface](image)
Inventory Sensitive Data (Level 1)

Identify and Protect Sensitive Data

- Data Asset Inventory Survey
- Discover and assess sensitive data
- Annual review of user access to sensitive data
- Monitor access to sensitive data
- Protect data from undesired access or exfiltration
SSL TLS 1.0 EOL (6/30/2018)

Say Goodbye to SSL/early TLS

June 30, 2018 was the PCI Industry deadline for disabling SSL/early TLS

A few well-known TLS/SSL Vulnerabilities:
- POODLE (CVE-2014-3566)
- BEAST (CVE-2011-3389)
- CRIME (CVE-2012-4929)
- BREACH (CVE-2013-3587)
- Heartbleed (CVE-2014-0160)
- Drown (CVE-2016-0800)
- FREAK (CVE-2015-0204)
- Logjam (CVE-2015-4000)
- Bar Mitzvah (CVE-2015-2808)
- SWEET32 (CVE-2016-2183)

SSL/TLS revisions:
- SSL 1.0 in 1990
- SSL 3.0 in 1996
- TLS 1.0 in 1990
- TLS 1.1 in 2006
- TLS 1.2 in 2008

Campus Tech Action Item by September 30, 2018
- Disable all version of SSL, and TLS 1.0, 1.1
- TLS 1.2 is the only recommended version
Web Application Scanning

Audit Your Web Security with Acunetix Vulnerability Scanner.

- Scan and audit your internet facing servers
- Identify vulnerable versions of applications
- Continuous web security against OWASP Top 10 and more
- Protection against known exploits
- Give developers a confidence boost in their own code

Email DG-IT-InfoSec@fullerton.edu to get an account for scanning and remediating your web applications
Employee Training Center (ETC)

Melissa Dominguez
Employee Training Center (ETC)

• What?
  • As part of the CSU wide effort, we are converting vendors from SkillPort to SumTotal
  • Switching compliance course vendor from Lawroom to United Educators

• How will this affect me?
  • The Employee Training Center will have a new look & feel
  • Functions will be different
  • Administrator Access will be provided upon completion of training
Employee Training Center (ETC)

• What can I do to prepare?
  • Take a training:
    • Campus
    • Administrator (as duties require)
  • Attend an open lab
  • Contact Employee Training Center if you have questions

• Timeline
  • August: Announcements
  • September: Training
  • October: Go-Live
TitanNet

Randy Montes
TitanNet

- A tool for advisors, faculty, and student support services that will:
  - Facilitate communication between students and advisors via the advising notes system (replaces TAN Advising Notes)
  - Facilitate intentional, direct outreach via campaigns
  - Allow for efficient scheduling of advising appointments

- Powered by EAB and accessed via staff/faculty portal
TitanNet

• Additional Functions
  • Advising notes for groups of students
  • User calendars sync with outlook availability
  • Analytics & student service visit reports
  • Kiosk/front desk check-in mode

• Campus-wide implementation by user groups
  • Phase 1 – Implemented in Summer 2018
  • Phase 2 & 3 – End of Fall semester
Calendar / 25Live

Mishu Vu / Elaine Estrada
http://www.fullerton.edu/calendar/

As of June 30, 2018, the current calendar product, Active Data Calendar, has been decommissioned.

Begin utilizing 25Live suite to create events calendar.

Based on event searches built by the Publisher

Has capability to pull selected event categories (e.g. a college) to targeted calendars on separate departmental or other campus web pages. Example: fullerton.edu
Calendar / 25Live

- Default access Login:
  http://25live.collegenet.com/fullerton/#home_my25live[0]

- Getting Advanced access
  - Email 25Live@fullerton.edu with calendar(s) you need to access

- Advanced access
  - Permissions to add events to specific calendars
  - Room/location owner who approves event requests
Academic Technology

Willie Peng
Virtual Computing Lab (VCL)

https://vcl-i2.fullerton.edu/vcl

- Built new VCL environment
- Faster provision time
- Instance: 2vCPU, 5GB
- Windows 10 Base Image

- Need your help to build custom image
- Converted Windows 7 Image
- Windows 7 EOL (2020/01/14)
Employee Account Settings

- Password Reset Security Questions
- Password Reset Off-Campus Email Address
- Campus Alerts and Notifications

Campus Alerts and Notifications

SMS text messages and voice calls will be used for Campus Emergencies and other user-controlled subscriptions.

Please enter a valid 10-digit phone number in this format: XXXXXXXXXX

Phone Number: 7145551212

UPDATE

*Message and data rates apply.

Use this link to change your Notification Preferences
## IT Major Service Notification

### Division of Information Technology

#### Notification Preferences

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<tr>
<th>Subscription</th>
<th>Campus Email</th>
<th>Mobile Phone 714-555-1212</th>
<th>ServiceNow Mobile Application</th>
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<tbody>
<tr>
<td>Campus Website Service Outage</td>
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<td>Campus Network Service Outage</td>
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<td>Titanium Service Outage</td>
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<td>Wireless Network Service Outage</td>
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<tr>
<td>Campus Email Service Outage</td>
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**Night mode (no text 10:00pm - 7:00am Pacific Time)**
Data Visualization Center

- 4 x 4 front video wall (46" display each)
- Four Epson Pro G 7500, 6500 Lumens Projectors
- HDMI Connection (up to 5 devices)
- Document Camera

- Capacity: 37 (including instructor)
- In Room Technical Support
- Data Scientist Consultation
- In Room PC with Three Outputs
- Lavaliere Wireless Microphone
- Pan/Tilt/Zoom Camera
Innovation / Makerspace Center

http://www.fullerton.edu/it/students/innovation_makerspace_center/

Faculty reservation via portal

- 3D Printer
- Raspberry Pi
- Microsoft Surface Hub
- High-End PC & Mac

- HTC Vive
- Microsoft Holo Lenses
- Cintiq/Dell Canvas
Library Space Updates

1st Floor PLN
Student Genius Corner

2nd Floor PLN
Advanced Technology Lab
Survey Instructions

• On your mobile device or laptop’s browser, type http://srs.campuslabs.com or just scan the QR Code here:

• Enter your First Name, Last Name. You can use “Tuffy Titan” as your first and last name

• Enter the Connect ID (12244)

• Tap/Click on “Connect” button to join the session

• Once a question appears, answer the question and tap/click “Submit.” You may have to scroll down to access “Submit” button
QUESTIONS?

THANK YOU!