Campus IT Forum

Friday, October 30, 2015
Agenda

1. Welcome
2. Introduction to Matt Hall, Associate Vice Chancellor and CIO
3. Announcements
   A. Connect Project Update
   B. Supercomputing Resources
   C. UC Cyber Security Training Initiative
4. Information Security Discussion
Connect Update
IMPLEMENTING GOOGLE APPS FOR EDUCATION
## Connect: Email & Calendaring

<table>
<thead>
<tr>
<th>Month</th>
<th>Event Description</th>
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<tr>
<td>February 2015</td>
<td>Presented the Connect Platform Service Options Report to IT Council</td>
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<td>March 2015</td>
<td>Provided report and summary results to IT Board; recommended Google Apps For Education</td>
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<td>May 2015</td>
<td>IT Council approved migrating Office365 accounts to Google &amp; migrating CorporateTime users to Google</td>
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<td>June 2015</td>
<td>Began migration of Office365 accounts to Google</td>
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<td>August 2015</td>
<td>Completed migration of over 30 departments <em>(nearly 2,000 personal accounts and over 500 functional accounts)</em> from Office365 to Google</td>
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<td>Began Google Calendar training</td>
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<td>September 2015</td>
<td>Completed migration of 1,947 personal, 37 functional &amp; 420 resource accounts from CorporateTime to Google calendar</td>
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<td>Completed Google Calendar training; 800+ employees registered for training</td>
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<td>Today</td>
<td>Connect customers have ONE system for email and calendaring services</td>
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<td>Future</td>
<td>Cross calendaring</td>
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<td>Phase II approval</td>
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<td></td>
<td>Migrate more depts to Connect</td>
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<td>Email/Calendaring Committee</td>
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Supercomputing Resources

ACCESS HIGH PERFORMANCE COMPUTING RESOURCES AVAILABLE FROM NATIONAL SUPERCOMPUTING CENTERS
: bhimmetoglu@ucsb.edu

www.ets.ucsb.edu/services/supercomputing
Service Overview

Help UCSB faculty, researchers, students:

- Understand the capabilities of High Performance Computing (HPC) and get to include it in their research and education work.

- Access local, regional and national HPC resources.

- Maintain accounts, allocations, computing time, grant writing.

- Provide technical expertise (~10 years of HPC research experience), and user support.

- Connect UCSB users with the broader community in their field.

- Provide training, organize workshops and seminars.
Resources Overview

- Triton Shared Computing Cluster (TSCC) at San Diego Supercomputing Center

- Extreme Science and Engineering Discovery Environment (XSEDE)

- UCSB Center for Scientific Computing (CSC) clusters
Triton Shared Computing Cluster

- Encourages campus participation, allowing researchers to use time and storage space on SDSC computing and data resources.

- UCSB purchases blocks of computer hours which researchers may request from the supercomputing consultant.

- Primarily used for educational purposes, but some groups also use it for research.
XSEDE is an NSF sponsored service organization that provides access to computing resources.

https://portal.xsede.org

www.xsede.org

Currently XSEDE supports more than a dozen supercomputers and high-end visualization and data analysis resources.
Available XSEDE Resources

- Workhorse
  - General purpose, more Big Data
- Big Data
- Visualization, data analysis
- High throughput
- Long term storage
- Large memory, big data

https://www.xsede.org/resources/overview
Campus Champions Program

Represents XSEDE on the campus

- Campus Champion Trial Allocation
  - Freely available to UCSB
  - Used for getting familiar with XSEDE and testing codes

- Startup & Educational Allocation
  - Requires a short allocation grant
  - Used for testing, code development and getting a head start in research
  - For classes

- Research Allocation
  - Requires an allocation grant
  - Millions of computer hours available
  - Users need to justify their request for hours (via code performance tests)
UCSB Clusters

http://csc.cnsi.ucsb.edu/

UCSB Center for Scientific Computing at CNSI was formed to promote the effective use of High Performance Computing in the research environment. The CSC already provides a broad range of resources for campus researchers, and we are expanding the available hardware with a recent NSF/NIH funded system. Beyond simply providing the computing resources themselves, part of our mission is to provide training in the best use of computing resources; whether they are at UCSB, or beyond. The CSC sponsors classes, tutorials, and individual training in general Unix/Linux, compiling, and optimization of codes. The CSC also actively engages IT staff at research units across campus so that researchers can get help from their local IT staff, who often understand best what they need to do their projects.

System Status

- **Braid**: 95%
- **Lattice**: 50%
- **Guild**: 10%
- **Knot**: 70%

Freely available to all UCSB users
Training Sessions at UCSB

- Intel Xeon Phi training will take place in January (2 days)
- Using Python and R in parallel (planned)
- Big Data related subjects: SDSC staff can be invited
- Other requests (e.g. cuda, hadoop etc.) ?
Cyber Security Training

DEVELOPING A STRONG CULTURE OF DEFENSE AGAINST CYBER-RISK
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<th><strong>Who</strong></th>
<th>All UC employees on payroll with active status</th>
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| **What** | Video-based Cyber Security Awareness Training  
Takes approximately 50 minutes to complete |
| **When** | Must be completed by January 31\textsuperscript{st}, 2016  
Must be completed annually |
| **Where** | UC Learning Center [https://www.learningcenter.ucsb.edu/employee-only-log](https://www.learningcenter.ucsb.edu/employee-only-log) |
| **Why** | Protecting our data and systems is all of our responsibility.  
It’s important to develop a strong culture of defense against cyber-risk. |
Course Topics

Introduction  You Are the Target  Social Engineering  Email & Messaging

Browsing  Social Networks  Mobile Device Security  Passwords

Data Security  Hacked  Privacy  International Travel

Conclusion
Discussion

STRENGTHENING CYBER SECURITY AT UCSB
Group Discussion Questions

What are your top three security concerns?

How can we promote the following behaviors our departments?

• Use caution when clicking links.
• Use dual factor authentication
• Use encryption at rest.

How are you protecting your web facing applications?