Google Apps coming for faculty, staff, & grad students

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XSEDE - Free help for researchers

lynda courses for Matlab, Mac OS X, Windows 8.1

Never share your Andrew name & password

www.cmu.edu/computing/
Coming Soon! Google Apps for Faculty, Staff, Grad Students

In August 2013, Pittsburgh undergraduate students successfully transitioned to Google Apps @ CMU for email and calendar. Soon, eligible faculty, staff and graduate students will have the opportunity to do the same.

**Are you eligible?** If you are currently using Cyrus for email AND are on the Pittsburgh campus, you may have the opportunity to move to Google Apps. Computing Services’ staff is working with various departments on a transition plan. For more information about the service, visit google.cmu.edu.

**What is Google Apps @ CMU?**

Google Apps @ CMU is easy to use and familiar to many on campus. You can store documents, create appointments, and share files with others who use Google Apps. And, you have 30 GB of combined document and email storage! Once transitioned, you can continue to use your Andrew userID, password and email address (e.g. juser@andrew.cmu.edu).

**How to Schedule and Communicate with Students on Google Apps**

Undergraduates have already transitioned to Google Apps, but communicating with them is seamless!

- **Send email as before** - Those who use Google Apps still have an “@andrew.cmu.edu” email address.
- **Search for an email address** - Use the CMU directory or search the Global Address Book in your email software.
- **Invite individuals to a meeting** - Send a meeting invitation via Exchange. Those using Google Apps can easily add the invitation to their Google Apps calendar.

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**student information exchange**

Jan. 21, 2014
3:30 - 6:00 UC Connan
Food, chance to win an Apple TV + Hulu Gift Card, plus other great prizes and giveaways!
XSEDE Offers Cost-free Supercomputing to Researchers

You are a researcher whose success hinges on the daily use of supercomputers and collections of data. To take your current project to the next level, you need to access additional software, more powerful equipment, or programming assistance. The Extreme Science and Engineering Discovery Environment (XSEDE) provides these resources and services, makes them easier to use, and helps more people to use them—all cost-free.

Supported by the National Science Foundation (NSF), the $121 million XSEDE project offers an array of high-end computing, visualization, storage and network resources. These resources are provided by more than a dozen institutions; through XSEDE, you can request access time on multiple powerful machines. For example, Stampede a $30,000,000 supercomputer, was made available in January 2013. This machine offers peak performance of 10 petaflops; 272 terabytes total memory and 14 petabytes of disk storage.

In addition to open access to hardware, XSEDE also provides consulting help and a range of training classes, workshops and on-demand webcasts to ensure that researchers can make the most of their supercomputers and tools. Included in their training repertoire are topics such as MPI programming, OpenMP programming, submitting XSEDE proposals, parallel programming tools and numerical libraries, and cybersecurity—all at no cost. J. Ray Scott, director of systems and operations at the Pittsburgh Supercomputing Center explains, “The training is totally free. You don’t have to be an approved researcher or have an allocation on one of the XSEDE resources. I was able to enroll two high school students who are working for me part time. They had no affiliation with XSEDE at all but were able to sit in on a hands-on course on GPU programming.”

The XSEDE’s home on the web is its User Portal (XUP). The comprehensive XUP offers everything you need to successfully work in the XSEDE such as the ability to view and manage your account and allocations, access user guides, register for classes, and more. Also, you can stay abreast of news through the XUP as well as via email, RSS or calendar feeds. In addition to the online help, XSEDE has named a number of campus champions. These local representatives can provide you with information about XSEDE resources and services, assist you with allocation requests, help you to resolve problems, and more.

Interested parties will find step-by-step help to complete the XSEDE application process in their online Getting Started Guide at www.xsede.org/. For additional help or information, contact our campus champion Bryan Webb at webb@psc.edu.

XSEDE Free Hardware Offerings

• Leading edge distributed memory systems
• Very large shared memory systems
• High throughput systems, including Open Science Grid (OSG)
• Visualization engines
• Accelerators like Graphic Processing Units (GPUs)
• User guides for all XSEDE-allocated systems

XSEDE Free Customer Services

• User guides for all XSEDE-allocated systems
• Training
  • Beginner to advanced
  • Multiple locations across country
  • Online via webcasts
  • XSEDE Training; see www.xsede.org/training/
  • Course Catalog; see www.xsede.org/web/xup/course-calendar/
• Comprehensive, fully integrated support for all resources
• User Portal, email or 24x7 Help Desk
• User conferences
Microsoft, Computing Services End XP Support

Microsoft will end support for the Windows XP operating system on April 8, 2014. End of support means that they will no longer release security patches, bug fixes and documentation for XP. Similarly, Computing Services will end its support for Windows XP on December 31, 2013.

On campus, those who continue to run XP risk exposing sensitive data and losing network access when their computer falls victim to an unpatched vulnerability. For these reasons, we urge you to upgrade to either Windows 7 or 8.1 (see “OS Status” for special considerations before upgrading).

Desktop Support Program (DSP) customers or those who are supported by a departmental technical administrator should contact their consultant to plan the upgrade. Those who manage their own work or home computer should consider the following:

• Computing Services is still evaluating Windows 8.1 for compatibility issues. Before choosing to upgrade to that operating system, check our Windows 8.1 Support Status page at www.cmu.edu/computing/software/all/windows/win81.html.

• There is a significant difference between the Windows 7 and Windows 8.1 interface. Take a look at each before deciding which you’ll upgrade to. The lynda.com training classes are an excellent reference; see www.cmu.edu/lynda/.

• Before you upgrade, back up your files to prevent data loss in case something goes wrong. Verify that the backup worked and that you have a restorable copy of all your important files.

• Follow Microsoft’s upgrade steps:
  • Windows XP to Windows 7 (follow the 5 step process on the top of the page)
  • Windows XP to Windows 8.1

• In addition to your home and work computers, remember to upgrade any virtual XP computing systems.

Windows 7 & 8.1 Offer Improved Security

Microsoft reports that Windows XP malware infection rates are twice as high as Windows 7 and six times greater than Windows 8. Additionally, Windows 7 and 8 contain new operating system controls for malware, increased firewall configuration flexibility and new options for encryption and file recovery.

Questions about upgrading your work computer should be directed to Computing Services Help Center (412-268-HELP or advisor@andrew.cmu.edu), your departmental administrator or DSP consultant.

OS Status

In October, Apple and Microsoft released the newest upgrades to their operating systems: OS X Mavericks 10.9 and Windows 8.1. Computing Services is currently assessing our core software and services for compatibility and future support of both operating systems.

At this time, we recommend that you check our Support Status page before upgrading. We make this recommendation to prevent potential loss in productivity should there be a compatibility issue with essential software or services.

For more information, including updates on licensing information, system requirements, and recommended configuration settings, please visit:

Windows 8.1 at www.cmu.edu/computing/software/all/windows/win81.html.

OS X Mavericks 10.9 at www.cmu.edu/computing/software/all/mac-mavericks/.
Welcome Guests

Welcoming guests onto our wireless network is easier than ever!

Wireless Access Through eduroam
Through the efforts of the Computing Services network team, Carnegie Mellon will soon be one of over two thousand participating eduroam education and research institutions located in 54 countries around the world.

The eduroam (EDUcation ROAMing) website describes their service as a “secure, worldwide roaming access service developed for the international research and education community.” When visiting a participating institution, either locally, nationally, or internationally, find eduroam in your wi-fi list and log in with your Andrew email address and password. That’s it! No need to set up an account or create a new password. And your colleagues or guests from participating institutions can enjoy the same benefit when visiting Carnegie Mellon.

Carnegie Mellon’s eduroam membership is expected to be active in January.
For additional information, please visit www.cmu.edu/computing/network/connect/guests/guest-wireless.html and www.eduroam.org.

Campus Guest Wireless Access Simplified
The updated Carnegie Mellon guest wireless system is completely new from the ground up. Guest network access has been greatly simplified—especially for large groups—allowing visitors to get connected more quickly and easily than ever before.

Previously, an event sponsor would create, organize and securely deliver printouts of unique userIDs and passwords for each guest. With the updated system, a faculty or staff event sponsor simply creates a single event code. This code can be easily shared with as many attendees as needed, giving your guests access to email and web browsing. The new process eliminates the need for individual accounts and machine registrations, saving time and reducing confusion for event participants and their hosts.

The improved network guest service is scheduled to be available in most locations on campus sometime in January. To learn more about the Guest Wireless Service visit www.cmu.edu/computing/network/connect/guests/guest-wireless.html.

Never Share Your Andrew Name or Password!
The Information Security Office (ISO) reminds you to never reuse or share your Andrew account name and password with anyone. Did you know that using services like LinkedIn’s Intro and third party email import services such as Gmail’s Mail Fetcher require you to share your Andrew ID and password with them? In addition to sharing your password, you may also be routing your Carnegie Mellon email through these companies’ servers. With this type of routing they can store and scan your mail—and they can do so without the benefit of university contracts that enforce security and privacy protections such as those required by the Family Educational Rights and Privacy Act (FERPA).

On a regular basis, the ISO monitors and notifies those whose Andrew accounts appear to be exposed. However, if you believe that you have shared your password with a third party, we urge you to contact the ISO immediately for steps to secure your account. The ISO is always available to advise you with concerns on this or other security matters; please call us at 412-268-2044.

Compromised Computer Procedure
If you suspect your computer is compromised, follow the procedure for responding to a compromised computer and promptly report concerns. Students should contact the Computing Services Help Center (412-268-4357 or advisor@andrew.cmu.edu). Faculty and Staff should contact the ISO (412-268-2044 or iso@andrew.cmu.edu). For more information visit www.cmu.edu/iso/governance/procedures/compromised-computer.html.
The Disaster Recovery and Business Continuity (DR/BC) Services group has embarked on a multi-year strategy to build a sustainable Business Continuity Program for the university. As part of this multi-year plan, DR/BC Services recently completed a successful Business Continuity Initiative pilot with the Finance division. This initiative engaged the senior leadership and each of the various business function teams to identify the services they provide as well as their facility, people, technology, and supplier dependencies. As a result of this effort, DR/BC provided services and recommended specific actions in the event that any of their dependencies become unavailable. With the support and guidance from DR/BC Services, each business function created a Business Continuity Plan designed to sustain and continue critical services in the event of a disaster or significant business disruption. Each plan was then tested to validate feasibility and identify opportunities for plan improvement. Subsequent initiatives are being prioritized and executed within the administrative areas that play a role in life and health safety on campus.

DR/BC service offerings include:
- DR/BC Training and Awareness
- Business Impact Analysis
- Risk Assessment and Gap Analysis
- DR/BC Planning
- Plan Testing & Continuous Improvement
- Technology Impact Assessment

To learn more about DR/BC service offerings and how your group may benefit, visit [www.cmu.edu/computing/partners/drbc](http://www.cmu.edu/computing/partners/drbc) or send email to drbc@andrew.cmu.edu.

**DR/BC Mission Statement**

The mission of this program is to provide the guidance, tools, and governance commensurate with the strategic mission and risk tolerance of the university and its divisional units so that they may continue to provide critical services in the event of a disaster or significant business disruption.

**Copyright & Intellectual Property Laws**

Carnegie Mellon is committed to the protection of intellectual property and copyrights. Illegal copying of creative works such as music, videos, images and text can subject the individual offender to both civil and criminal penalties. The university takes a strong stance against violations of copyright law (e.g., disciplinary action, loss of network connectivity) and also supports fair use of creative works. For more information, visit:

- University’s Fair Use Policy [www.cmu.edu/policies/documents/FairUse.html](http://www.cmu.edu/policies/documents/FairUse.html)
- Copyright Violation Guidelines [www.cmu.edu/iso/governance/guidelines/copyright-memo.html](http://www.cmu.edu/iso/governance/guidelines/copyright-memo.html)
- Digital Copyright and DMCA [www.cmu.edu/iso/aware/dmca/](http://www.cmu.edu/iso/aware/dmca/)

**DMCA Process for Students**

When requested, Carnegie Mellon is legally required to provide information about individuals who appear to be illegally downloading or distributing copyrighted materials. If we receive a Digital Millennium Copyright Act (DMCA) notice and identify your computer as the offender, you will have 72-hours to resolve the issue with the Student Life Office. If it is not resolved, you will lose your network access and will not be able to register new devices or computers; see [www.cmu.edu/iso/aware/dmca/](http://www.cmu.edu/iso/aware/dmca/) for additional information.
Free lynda Courses
Matlab, Mac OS X Mavericks, Windows 8.1

Our university license with lynda online training qualifies students, faculty and staff for thousands of free course titles. Use your Andrew ID and password to log into www.cmu.edu/lynda/ and learn new skills, stay current with the latest software releases, or meet professional development goals.

Those who use Matlab software for mathematical computation, analysis and visualization will benefit from lynda’s recently added Matlab course. Lynda’s module explores Matlab’s general concepts, basic programming, data representation and more. This training offers a solid foundation that faculty might consider as a course prerequisite (see “Create and Share a Playlist”). Other recent additions to the lynda training library are their Mac OS X Mavericks and Windows OS 8.1 titles. Both courses will jump start your understanding and help you to navigate these new operating systems proficiently.

Lynda Tip! Create and Share a Playlist
As you browse lynda, you’ll likely see hundreds of interesting topics. You can track and categorize these courses easily and efficiently through your lynda playlist. For example, you might create a playlist for photography, career development or ecommerce. As you browse the lynda library, you can easily add relevant classes to each of these playlists. Use email, Facebook, Twitter or LinkedIn to share your playlist with others. The playlist feature is ideal for faculty members who wish to assign prerequisite training for their course. Faculty can browse for relevant topics, create a “Prerequisite” playlist and share it with their students.

New lynda Features
- Control your viewing experience with wide, narrow, full-screen, or pop-out video options.
- Click on text in the transcript to jump to a spot in the video; you can also mark videos as unwatched.
- Search within course videos and transcripts and quickly jump to the results.
- Access exercise files from a button right under the course name.