

Essentials

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CSS Mission: To provide a secure, reliable, and innovative computer environment that facilitates, supports and enhances the mission of the College of Engineering.

Hours

Elder and Hering computer labs are open 24 hours/day, 7 days/week except for cleaning. With an access card, you can enter the building and the labs after the Seamans Center closes.

Consulting, 1253 SC,
M-Th 8am-9pm; F 8am-5pm; Sun 2-9pm

CSS Main Office,
1256 SC, M-F 8am-noon; 1-5pm

New Symantec Endpoint Protection

Viruses, Spyware, and Threats

In February CSS installed a new version of Symantec AntiVirus software that includes new features. You can now scan network drives (your H:\ drive as well as shared drives) where before you could scan only local drives. Now when you receive email attachments that you download and scan before opening, you can download those attachments to the H:\ drive to be scanned.

You can scan a file or directory by highlighting it, right clicking, then selecting **Scan for Viruses...** You can run the program from **Start | All Programs | Symantec Endpoint Protection | Symantec Endpoint Protection**. The resulting dialogue box tells you the **Status** of your computer (protected or not), lets you **Scan for threats**, **Change settings**, **View quarantined** files, and **View scan logs**.



Symantec Endpoint Protection combines anti-virus scanning with anti-spyware and threat protection/intrusion prevention components. It stops malware such as viruses, worms, Trojans, spyware, adware, bots, zero-day threats and rootkits.

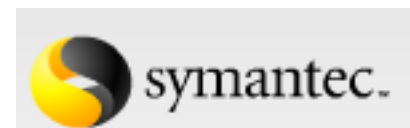
Technical Information

Proactive Threat Protection means behavioral-based protection that protects against zero-day threats and threats not seen before. Proactive threat scans your computer for the active processes that exhibit the behavior that might be malicious, including remote control programs or key loggers. Since unknown threats do not have signatures to identify them, proactive threat scans identify potential risks by flagging suspicious behavior. Proactive threat scans also detect the commercial applications that can be used for malicious purposes. (from the [Symantec web site](#))

Help

If you need help using Symantec Endpoint Protection, please see the consultant in 1253 SC, 335-5055. CSS is still working on how to package this product for installation at home.

/Diana Harris



College Kiosk Displays

Submit Your Slide

Do you have text and a graphic that you want added to the slides showing on the kiosk displays at various entry points to the Seamans Center? Go to the [display web page](#). On that page you can specify the start and end date the slide will be displayed, the text to appear on the slide, the image to use, and the displays on which to show the new slide. If you do not have a graphic to include but have an idea of what you would like to use, include that information in the form; Bill Easton, who creates the display slides, has lots of images to fit many sorts of requests.



Having Only a Single Copy of a File

The 21st century computing environment is incredibly empowering, though sometimes it is a challenge to keep up with the technology options. In this article I offer some tips for working with files that should reduce the frustration of working with multiple copies of the same or similar files.

USB Storage Devices - Drive Responsibly

USB drives are a great way to move and store data. You can carry a small solid state “thumb drive/flash drive/USB key” to move data between computers. But you should remove it safely. If you disconnect a USB storage device without first closing down the open file connections so it can be safely removed, you may corrupt the data stored on the USB device. If your windows computer is working properly you will see the “Safely Remove Hardware” icon in the system tray when you connect a USB storage



device. To safely remove a USB storage device, open “Safely Remove Hardware” icon from the system tray and follow the instructions. (see also [2/06 Essentials](#) at <http://css.engineering.uiowa.edu/news/essentials/assets/feb06.pdf>)

Note that USB mice and keyboards are not storage devices and can just be unplugged.

Map Your Home Directory to Your Portable – Home Is Where the Data Are

You can avoid USB data transport altogether if you are on campus. Everyone with an Engineering account has a network-based home directory as part of their account. Your “H” drive. It is automatically mounted for you when you login to your



Essentials is a publication of [Computer Systems Support \(CSS\)](#) in the College of Engineering at the University of Iowa. *Essentials* is published during the year whenever there is sufficient news to report to the user community.

Back issues of *Essentials* are [on-line](#).



Password Checking Tool

Use the [Engineering Account Password Checking Tool](#) to verify that you know your Engineering account password. If you enter your password correctly but your account is locked or the password has expired, that information is returned.

“One Copy” continued on page 4

New Screens

In Henry Electronic Classroom, 1245 SC

In January and February, CSS replaced the flat panel screens in 1245 with 22" flat panel screens. The computers were replaced in summer 2007 and are Hewlett-Packard XW4400 computers with Intel Core 2 Duo processors, 4GB RAM, a DVD-RW drive, and a very fast video card. All run Windows XP.

Many classes use 1245 for teaching, but when no class is scheduled, students can use the room as a lab, like the Elder and Hering labs. Check the room [schedule](#) or review the room use [policy](#) before you [reserve](#) the room.

Room Access

Default Access

As student, staff, or faculty in the College of Engineering, you can get an electronic access card to enter the building and specified rooms in the building. The card as issued gives you access to several exterior doors, the Elder and Hering Labs, the Henry Electronic Classroom, and 2222 group study room. If you need access to other rooms, you must go to the department office to get that access.

The process to add and remove access is an overnight job, so please do not expect to have immediate access to a room when you are authorized for access.

Matlab Download

Windows and Linux

Engineering students, faculty, and staff can download to a personal computer the Windows or Linux version of Matlab 2007a. In addition to Matlab, you can download Simulink and several Matlab toolboxes. The download includes the necessary license file.

Where

From the Engineering site you can download [Matlab and Pro/ENGINEER](#). ITS also has software to download. Go to the [software download page](#), sign in with your Hawk ID and password to see the available programs.



Eudora Mail Client

Into the Sunset

As is always the case, CSS tries to support software that is currently supported by the vendor. The email client Eudora is no longer supported by Qualcomm, the company that wrote, sold, and supported Eudora. In early 2007 Qualcomm made Eudora an open source product that is being developed by Mozilla.org. If you want to read about that product, read about Penelope. <http://wiki.mozilla.org/Penelope>

There's Always Thunderbird

Because there are no new and supported versions of Eudora coming from Qualcomm, CSS no longer installs Eudora on new computers. In addition, support for Eudora will continue to fade as the staff puts its effort into making Thunderbird the mail client of choice for both Windows and Linux users.

SSN Project - Warning

University Mandate

Faculty and staff in the College of Engineering, like all other units on campus, will soon be given access to a program called Identity Finder (IF). IF can be used to find credit card numbers, bank account numbers, and passwords. What you will be asked to use it for is to find and then remove social security numbers.

Chapter 36 of the Operations Manual has information on the University policy regarding appropriate use of social security numbers. In summary, most of us will need to remove existing SSNs from documents, both electronic and paper, or secure those files.

CSS is working with IF to deliver it with the most appropriate settings to make your scan and redact job as easy as possible. There will be training sessions on using IF and an Elllluminate tutorial.

Expect to hear more about this soon.
/Diana Harris

“One Copy” continued from page 2

Engineering computer. But what if you are using your portable on campus and want to work on a file? You could copy the file to your portable and then deal with the version issues. But a better solution is to simply access the file directly by mapping your home directory.

In Windows right click on the My Computer icon and select **Map Network Drive....** (Or do things [this way](#).) For the folder option enter the path to your home directory using your Hawk ID in the following syntax:

`\\HAWKID.drive.engr.uiowa.edu\HAWKID`

Select **Connect using a different user name** and enter your Hawk ID and Engineering account password. Then click **Finish** to map your home directory, which opens in an explorer window. Now you can edit those files directly.

Secure File Transfer and File Synchronization – Wish You Were Here

If you are off campus with your portable and cannot map your home directory (because of a campus policy that does not allow this sort of mapping; [read this](#)), you can do the next best thing. You can use a secure file transfer client (SFTP) like Filezilla to connect to your home directory and use the graphical interface to easily move files between your local computer and your home directory. Filezilla even has a file synchronization option so that you don't have to manage having several versions of the same document. Check out [Filezilla](#).

To use Filezilla you must set up a new site with the site manager. Use the following information.

Host: **ftp.engineering.uiowa.edu**
Srvertype: **SFTP – SSH file transfer protocol**
Logintype: **ask for password**
User: *your Hawk ID*
/Doug Eltoft



New SecureCRT 6.0.1 Available for Download

New Version of Terminal Emulator

The ITS Help Desk would like to announce the availability of SecureCRT version 6.0.1 from the ITS Software Services Download Site. You may download SecureCRT version 6.0.1 from the [ITS Software Services Download Site](#).

SecureCRT version 6.0.1 is a new product release that supports both Windows XP and Windows Vista. It also introduces many new features to the application including installation to a U3-enabled USB flash drive, session-locking, and the ability to more easily launch applications in your OS by using button bars or key commands.

If you experience any difficulties while downloading or installing SecureCRT version 6.0.1, please contact the ITS Help Desk at 384-HELP (4357) or via [email](#).

The ITS Help Desk
<http://helpdesk.its.uiowa.edu>
its-helpdesk@uiowa.edu

For information about this new version, go to the [Van Dyke web site](#)

Duplex Printing

Thanks for Saving Paper

In the last 90 days (from the end of April 2008), duplex printing in the labs has saved 30 reams of paper. (A ream is 500 sheets of paper.)

In the 24 hours of Tuesday, 29 April, 25% of the paper printed in the Elder and Hering labs was duplexed, printed on both sides. That duplexing saved 2 reams of paper. It also saved about \$6.00, as the CSS cost of paper has averaged about \$3.00 per ream.

CSS Described

Editor's note: Sometimes it is good to remind all of us, CSS included, what we do.

CSS Services

Computer Systems and Support (CSS) created and sustains the networked computer environment that supports the College's educational, research, and service missions. This work includes support for high speed networking with a state-of-the-art firewall, hardware lifecycle management, central and desktop system backup services with disaster recovery, software management including installation, deployment, patching and updates, email support with sophisticated spam filtering, videoconferencing, administrative database support, website management including website design and administration, student printer management, and help desk support. In addition CSS provides the computer hardware and the systems administration for most of the departmental teaching labs that include computers. Beyond the College CSS collaborates with the central University IT organization in order to provide Engineering College users with the best overall experience.

Student and Teaching Support

The College supports student computing with a mixture of state funds, cost recovery funds, and student computer fees. CSS provides students with four general purpose drop-in computer labs with a total of 130 single user Windows computers and 24 multi-user Linux computers. The Linux computers provide support for up to ten users per computer. Thus up to 380 users per hour can use the lab computers in labs that are open 24 x 7.

CSS manages a large set of professional and public domain engineering software that supports the full range of classes for all Engineering departments. The College provides the same type of computer hardware and software that students will use when they graduate and begin working as engineers. In addition to having access to software when in an engineering computer lab, CSS offers tethered software that allows students to run engineering software locally on their computers with license management over the Internet. Students have access to the graphical Linux environment from anywhere on the Internet.

Besides these resources CSS provides classroom computer lecture support in two distinct implementations: 1) CSS provides faculty with a 32-seat interactive Windows-based computer classroom; 2) in collaboration with ITS

New COE Web Pages

.php

The College webmaster is working his way through the quantity of existing web sites and updating those pages. One change, as noted in the article about the New College Web Site in the January *Essentials*, is that the new pages end with ".php" rather than ".html". Remember that you will probably need to change bookmarks to point to the updated .php page.

and classroom scheduling, CSS provides specially configured and managed Linux-based portables in three general assignment classrooms. These portables are configured to allow interactive class participation during the teaching of engineering classes. They minimize physical overhead and maximize class functionality. Faculty have created new methods for teaching engineering material using these networked portable computers.

/Doug Eltoft

Change to SSH

SSH from Off-campus

Problem: Internet attacks on the SSH port from off campus.

Need: Ability to SSH into Linux from off campus.

Solution: Use **login.engineering.uiowa.edu** from off campus to get SSH connections. Once connected you can SSH to other campus computing resources.