

POP and IMAP users of the College of Engineering Mail Server:

On Monday, February 16, 2004, the College of Engineering will turn off support for clear-text POP and IMAP on its mail servers. Users who wish to continue using POP or IMAP clients will have to configure their mail clients to use SSL (Secure Sockets Layer) to encrypt passwords and email traffic.

Why is this being changed?

The College of Engineering networking staff is continually looking for ways to enhance our computer security posture. By default POP and IMAP send passwords and email unencrypted. A malicious user could intercept this information by “sniffing” network traffic. There is a particularly high risk of this kind of activity for users of external ISPs (such as cable modem providers). Since clear-text email traffic poses a significant risk, the decision has been made to require this traffic to be encrypted.

What will be the impact on users?

Users of Outlook configured as an Exchange client will not be impacted.

Web-mail users will not be impacted.

Users of Eudora version 5 and newer, Netscape, and Outlook Express (as well as other POP/IMAP clients) will have to be configured to use SSL.

Users of Eudora prior to version 5: Since SSL support in Eudora began with version 5, users of earlier versions will have to upgrade. We recommend Eudora version 6 due to its’ simpler SSL configuration.

When should the configuration change be made?

Configuration changes can (and should) be made immediately. If your POP or IMAP client has not been configured for SSL you will be unable to check your College of Engineering email after February 16, 2004.

Where do I turn for help?

Instructions for several mail clients are listed below. If you need assistance, please contact your departmental network technical contact.

Instructions for specific mail clients:

(If your client is not listed or if you have difficulty, ask your departmental network technical contact for assistance)

Turning on SSL in Eudora 6 for engr.psu.edu users

Start Eudora

Click on **Tools**, then **Options**

Click on the **Checking Mail** icon on the left

From the dropdown menu under **Secure Sockets when Receiving** choose: **Required, Alternate port**

Make sure your mail server is set to **mail.engr.psu.edu**

Click on the **Sending Mail** icon on the left

From the dropdown menu under **Secure Sockets when Sending** choose: **Required, STARTTLS**

Make sure your SMTP server is set to **mail.engr.psu.edu**

Close the options window

Quit Eudora

Restart Eudora

Turning on SSL in Eudora 5 for engr.psu.edu users

Quit Eudora

Add the following two lines to the EUDORA.INI file

SSLPOPAlternatePort=995

SSLIMAPAlternatePort=993

Start Eudora

Follow the instructions for Eudora 6

Turning on SSL in Eudora versions prior to 5 for engr.psu.edu users

Upgrade to Eudora 6

Follow instructions for Eudora 6

Turning on SSL in Outlook Express and Outlook (when used as a POP or IMAP client) for engr.psu.edu users

Start Outlook Express

Click on **Tools**, then **Accounts**

Click on the **Mail** tab

Click on your mail account to highlight it

Click on the **Properties** button

Click on the **Servers** tab

Make sure both your Incoming mail server and Outgoing mail server are set to **mail.engr.psu.edu**

Click on the **Advanced** tab

Check the Outgoing and Incoming mail boxes that say
"This server requires a secure connection (SSL)"

Click **OK** to accept the settings and close the window

Click **CLOSE** to close the Internet Accounts window

Turning on SSL in Netscape 7 for engr.psu.edu users

From Netscape Mail and Newsgroups (not navigator) select **EDIT** then **Mail & Newsgroup Account Settings**

Your mail address should be listed in the window on the left. Click on **Server Settings** below your mail address. Make sure the **Server Name** is set to **mail.engr.psu.edu**. In the **Server Settings** section check the box next to **Use secure connection (SSL)**. In the window on the left, click on **Outgoing Server (SMTP)**. Make sure the **Server Name** is **mail.engr.psu.edu**. Under the **Use secure connection (SSL)** click on the button next to **Always**. Click the **OK** button.

IPSec Rules Application & College VPN Services

In mid February ECS will begin implementation of new IPSec rules on the Departmental Domain Controllers that closely mirror the rule set that will be enforced on the College's new firewall equipment. While the firewall will become active at the end of Winter-Spring semester and will affect all hosts connecting to the College of Engineering's network, it was decided that the servers within the college should be protected at that level as soon as possible because they remain the choice target for many attacks and expose us to the greatest potential damage if compromised. This will have no impact on users connecting to the PSU_ENGINEERING from their offices or anywhere within the College or users already using the College's VPN. However, it will impact users connecting to servers from home that don't currently use the College's VPN, including those currently connecting through the University's modem banks. Consequently, those who wish to connect to file shares and/or printers on PSU_ENGINEERING servers from remote locations, including University dialup, will need to begin using the College's VPN client to get to those resources, or the College's SFTP server as an alternative to the VPN in order to get to their files. Below are the instructions for setting up the VPN client or accessing file through SFTP.

Downloading and Setting up your Windows VPN Client

1. Browse to <http://www.engr.psu.edu/vpn/>
2. Click on the "download" hyperlink
3. Click on "Windows Client"
4. Enter your Engineering Username and password
5. Save the file to your desktop
6. Double Click the file you saved to your desktop
(filename vpnclient-win-is-4.0.2.d-k9.exe)
7. Follow the instructions given on the screen.
8. After you restart you can run the VPN Client (it will be listed under Start, Program files, Cisco Systems VPN Client) the program is VPN Dialer.
9. To connect from a location off of Campus select the Connection Entry "ISPToECS"
10. Click "Connect"
11. Enter your Engineering Username and Password

Downloading and Running an SFTP Client

1. Download WinSCP from <http://winscp.sourceforge.net/eng/download.php>
2. After installation launch the program and select "New" under "Stored sessions"
3. Enter engrad.ecs.psu.edu under the hostname of the SFTP server
4. Enter your College of Engineering user name and password in the appropriate fields
5. Select the SFTP protocol
6. Select "Save"
7. After you save your stored session you can launch it by highlighting it and selecting "Login"
8. On your first connection it will ask you if you wish to accept the certificate from the server. Answer "Yes" when prompted.
9. Once connected, you can move to different share names by selecting
Remote -> Go To -> Open Directory/Bookmark and typing the UNC path of the share you wish to connect to as [\\<server>\<share>](#).