# DCS Lunch and Learn 2015

Email, eTokens, spam, remote access, alternate computers

## Agenda

1. Alternate/spare computers
2. Email signatures
3. Autoreply
4. Email access away from the PC
5. Spam Filtering
6. eTokens
7. Working from home
8. Antivirus
9. Software updates/security

## Alternate computers

- Your profile should “roam” to other Windows machines on the DCSO (DCS Office) network
- Should the machine you normally use fail or the room become unusable, (eg. burst water pipe), there are spare systems in PT 283, SF 3209 and BA 4283.
- Remote systems are also available, flint.cs and feldspar.cs (DCSO) and wapps2008.cs (CSLab)

## Email Signatures

- Block of Text as “footer” on every message

  --
  John Smith
  Someplace Inc.
  (246) 555-1234

- Digital signature verifying content of message

  -----BEGIN PGP SIGNATURE-----
  Version: GnuPG v1.4.6 (MingW32)

  iD8DBQFFxqRFCMEe9B/8oqERAqA2AJ91Tx4RziVzY4eR4M
  s4MFsKAMqOoQCgg7y6e5AJIRuLUIUikjNWQIW63QE==aAhr
  -----END PGP SIGNATURE-----

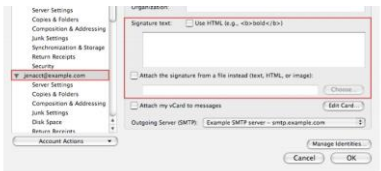
## Text footers in Thunderbird

3 options:

1. vCard
   - delivered as an email attachment
2. Included file
   - appended from a file
3. Editable text
   - added to the body of your email

## Thunderbird Sigs

- https://support.mozilla.org/en-US/kb/signatures




If you have multiple email accounts, you must configure signatures separately for each account.

## Plain text


## Digital Signatures


## Email Autoreply (vacation message)

- https://csweb.cs.toronto.edu/services/

## Reading/Sending Email from away

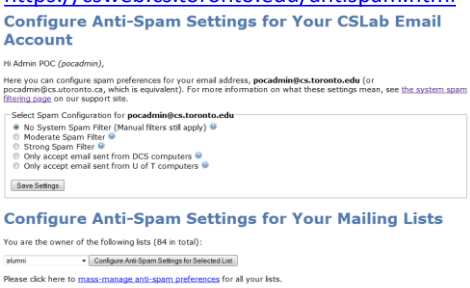
1. Use email client via remote desktop
2. https://webmail.cs.toronto.edu
   has enhancements for small devices but works well with desktops too
3. Configure imap client on phone or desktop, use smtp.cs to send mail
   http://support.cs.toronto.edu/Email/#settingssmtp

## Spam Detection at CS

- All incoming mail is classified using Sophos's PureMessage (commercial product) and given a spam score and virus detection. Spam is classified and passed through, viruses are removed
- You can choose to act on the spam scoring on the server, using procmail, your email client, or not at all

## Server Side Spam Filtering

- https://csweb.cs.toronto.edu/antispam.html

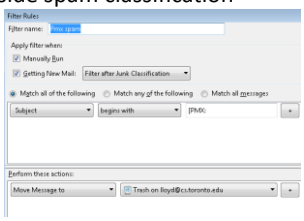


## Procmail filtering for DCSoffice

- ##
  # Bitbin spam at 90% probability according to cslab's PMX filter
  ##
  :0:
  * ^X-CS-PMX-Spam: Gauge=XXXXXXXXX
  /dev/null
- Filtering happens before you read mail
- Logged to H:\procmail\procmail.log

## Client side(Thunderbird) Filters

- Client side filtering is not effective in detecting spam, however you can react to results of server side spam classification




## eTokens

- RSA SecureID cards, used to access AMS, ROSI and some other services, will be retired at U of T on 30 June 2015
- eTokens require a USB port, drivers and VPN software, ideally on Windows
- Working from home, on Macs, or on other devices is more challenging than with the RSA cards

## eToken at Work

- You must be the **first/only** one logged in on the machine; logging in via "switch user" will **not** let you access the eToken driver
- Open the Cisco VPN connection to port.eis.utoronto.ca (for most services) and provide your eToken password
- Launch eToken-aware version of AMS or ROSI software

## eToken with Remote Desktop

### Instructions from IT+S

- Windows
- http://main.its.utoronto.ca/its-units/isea/etokens/technical-information/remote-desktop-client/
  1. Plug it in, wait for the light to stop, see if it worked.
  2. Repeat step 1 until it does.
- MacOS X or Linux desktop
  "may or may not handle the smartcard redirection"

## Zipping to work

How to commute to work in under 60 seconds.

## Remote Desktop Access

Requirements

1. Computer-like device (desktop, laptop, netbook, tablet, etc.)
2. Internet access for device
3. VPN account from cslab
4. Target computer (usually your machine at work)

## Computer & Internet

- OS: Windows, MacOS, Linux, iOS, Android
- Keyboard, mouse and display recommended

Any broadband internet

Free wifi (eg. McDonalds) usually okay

Cellular access might be costly (i.e. data rates)

## Wireless Internet access at work

- CompSci SSID, the WPA key is “dcswifi5296”
  Register your device at
  https://wifi-reg.cs.toronto.edu/

- UofT and Eduroam
  use your UTorID (eg leeterry ) for U of T
  use UTorID@utoronto.ca (eg leeterry@utoronto.ca ) for Eduroam

## Virtual Private Network (VPN)

https://support.cs.toronto.edu/ scroll down to the link "self-serve VPN account registration".

Login with your cslab username and password (same as you login on your machine). It will display your VPN password, which is **not** the same as your regular password

password: _____ (record here)

## VPN settings

- Server: l2tpipsec.cs.toronto.edu
  Preshared key: computerscienceipsec

  Windows
  http://support.cs.toronto.edu/Networking/L2TPIPSecVPN/Windows7.shtml
- Important MacOS gotcha
  http://support.cs.toronto.edu/Networking/L2TPIPSecVPN/Mac10-7.shtml
  Click the **Advanced** Button and make sure **Send All Traffic over VPN Connection** is selected.

## VPN setup

See cslab webpage for examples
http://support.cs.toronto.edu/Networking/VPN/

You need a VPN connection for Remote Desktop access, or drive mapping.

*NEW* for email you can configure your device to use smtp.cs.toronto.edu
http://support.cs.toronto.edu/Email/#settingssmtp so VPN is not needed

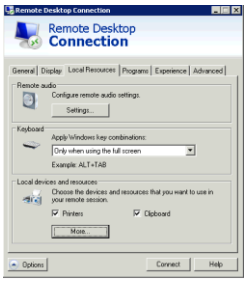
## Remote Desktop Connection

- http://www.cs.toronto.edu/~lloyd/howtoDCS/office/workfromhome/remotedesktop.html

- Client built-in on Windows
- Free clients available for MacOS, iOS, Android

from Apps Store, Mac App Store and Google Play stores.

## RDC Settings




On Windows (& MacOS) can use full screen, printer, USB, remote drives, etc.

## Target machine

- Needs to be turned on
- Your desktop machine: _____
- Central (cslab) machine wapps2007.cs.toronto.edu
- Spare machine(s): flint.cs  feldspar.cs

## Antivirus

University's Symantec license not renewed, free alternatives available

- Windows: Microsoft Security Essentials
- MacOS: Sophos AntiVirus for Mac Home
  http://www.sophos.com/en-us/products/free-tools/sophos-antivirus-for-mac-home-edition.aspx

## Software Patching

For Window Secunia PSI (Personal Software Inspector)
http://secunia.com/psi

For Mac run Software Update from Apple menu
http://support.apple.com/kb/HT1338

Visit https://www.mozilla.org/en-US/plugincheck/

## Questions?

# Extra credit

- Email alerts using procmail examples

```
# pocadmin mail
:0c
* ^To.*pocadmin@cs.
  ! 4169129785@vmobile.ca

#  GO transit alerts
:0c
* ^From.*no-reply@gotransit.com
  ! 4169129785@vmobile.ca
```