IT Facilities at Wolfson College

This presentation is available from the college website:
http://www2.wolfson.cam.ac.uk/files/IT/it_felcilities_wolfson.pdf
Wired Internet
Wireless Internet
Cafeteria Tills
e-Top Up
Computer Room
CCTV
Door Security
Members Databases
Formal Hall booking
Various websites
Maintenance requests
Display Panels
........
WIRELESS INTERNET

- Currently available in public rooms

- Whole College will be covered
  - By October 2017

- Wireless routers for bedrooms

- UniOfCam and Eduroam
UNIOFCAM

• Go to a hotspot area
  • Connect to UniofCam
  • Start a web browser
  • Enter your Raven user-name and password
  • Visitors' Tickets from Porters' Lodge
• Once connected, you can use other programs like outlook, mail, sftp
EDUROAM

• Works through WPA2-AES

• RADIUS authentication

• Configuration utility is available

• User name is full email address like: nm998@cam.ac.uk

• Password is called 'token'

http://www.ucs.cam.ac.uk/wireless/eduroam/localusers
CONNECTING MULTIPLE COMPUTERS

• Up to 5 computers or network devices per user

• Computer is registered through online application

• Multiple computers and devices can be connected behind your personal WIFI router.

• Contact IT Services for devices not able to register online. (Games consoles etc.)
NETWORK ACCEPTABLE USE POLICY

- No limit on download or upload

Usage can be checked at:
http://www.netusage.wolfson.cam.ac.uk

Please help us by:

- Not using manual IP setting (DHCP only)
- Avoid BitTorrent and P2P File sharing
- Do not run any network service like web server, DHCP, Proxy-arp and port scanning etc
- Avoid Copyright infringements
EMAIL

- Online Webmail at:
  http://webmail.hermes.cam.ac.uk

- Local email client Outlook, Mail, Thunderbird
HERMES WEBMAIL

https://webmail.hermes.cam.ac.uk/

Hermes Webmail Service

Username
e.g fjc55

Password
your Hermes password

Login

If you receive a message asking you for your email login details then DO NOT REPLY and do not click on any web links in the message. These messages are sent by criminals who want to use your account to send spam. You should never reveal your password to anyone, not even to University IT staff.
LOCAL EMAIL CLIENT

http://www.ucs.cam.ac.uk/email/muasettings

Email program settings for Hermes

Links to detailed email application settings for Hermes accounts

Personal email application settings
You need to configure your mail program with secure settings, to encrypt the connection and prevent your password being snooped while it is being sent across the network. These settings will also let you use Hermes (including sending mail) from your personal device when you are working at home (but not using the VPDN service) or are away from Cambridge.

The settings pages are intended for use if you are configuring a personal machine. On public machines, for example an MCS or a departmental system, the settings will have been pre-configured.

If your mail program is one of the ones named in the navigation menu, follow the instructions in that page. If it is not mentioned in the menu then there is a page that gives generic guidelines and also a page giving a list of ports and protocols supported by Hermes.

Settings for mobile devices
Further information for mobile devices (e.g. iPhone, Android, iPad) can be found on the mobile devices pages.

Finding other people's Cambridge email addresses automatically
If you would also like to be able to look up Cambridge email addresses automatically, please see the pages on configuring your mail program to use the University LDAP Directory. Do this after you have set up your mail program to access Hermes.
REDIRECT @CAM EMAIL

- @cam.ac.uk is not for life
- All official notices are sent to @cam address
- Set up email redirect to non-@cam addresses
JUNK OR SPAM EMAIL FILTER

This option automatically files mail based on how much it looks like junk email (spam).

Each message is given a score which is higher if the message has more spam-like features. You pick a threshold score above which messages are filtered to a folder named "spam". Thresholds of 10 or more have no effect because high-scoring email is blocked. Thresholds of 4 or less are likely to misclassify legitimate email as spam. The scoring system is tuned to work best with a threshold of 5.

Enable: [ ]
Threshold: 5
Purge: [ ]
Days: 15

Whitelist:

Update
DOOR ACCESS SYSTEM

- Access is through the University Card
- Student can access Library, Seminar Room & Back Gate
- Access to the Library lift on request
- Lost or stolen cards be reported to the IT Office ASAP
- New cards through the College Registrar
- Access to Gym is through self registration

http://www.gym.wolfson.cam.ac.uk
FORMAL HALL BOOKING

• Works through Raven

• New booking

• Amendment and Cancellation

• Attendees List

http://www.formalhall.wolfson.cam.ac.uk
SOFTWARE

Free Software:
http://www.ucs.cam.ac.uk/compsoft/free-software

NFS Mirror (Linux and other)
http://www.ucs.cam.ac.uk/support/unix-support/nfs-server

Software Purchase
http://software.uis.cam.ac.uk/
FREE MS WINDOWS & MATLAB + OFFICE 365

http://software.uis.cam.ac.uk/product/9651
http://software.uis.cam.ac.uk/product/9655
http://software.uis.cam.ac.uk/product/9652
http://software.uis.cam.ac.uk/product/9634
Checkout - confirmation

Check the details below and if you are happy with them, place your order:

<table>
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<th>Amount (ex VAT)</th>
<th>VAT rate</th>
<th>VAT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Microsoft Office Pro. Plus 2016 Windows - Licence EES Qualifying Machines Only [Product: 9651]</td>
<td>£0.00</td>
<td>20%</td>
<td>£0.00</td>
</tr>
<tr>
<td>Quantity: 1 Unit price: £0.00</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Total</td>
<td>£0.00</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Place order** Submit your order for the items above

[Click here to submit your order]

[Click here to cancel order]
PRINTING

• Three printers are available in the College

• MFD - Print, Copy & Scan

• Common Balance Printing Scheme

• Balance can be used at multiple places

• Top-up required before printing

• Balance refunded at the end (min £10)
How to pay or top-up

- You can top up your balance using a debit or credit card online at:
  
  https://ecredit.ds.cam.ac.uk

- Minimal payment is £5.
- You can also pay by cash at the Computing Service Reception.

Checking your balance

- You can check how much prepaid print credit you have left at:
  
  http://www.ds.cam.ac.uk/balance

- Raven authentication is required.
- You can also view your transaction history on this site.

More Information

http://www.ucs.cam.ac.uk/desktop-services/ds-print/paying-for-ds-print
- All prices are for one side of a sheet
- A double side or duplex print is charged for two prints

<table>
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<th>Mode</th>
<th>Price per side</th>
<th>Printer Names</th>
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<td>B&amp;W</td>
<td>5p</td>
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<tr>
<td>A4</td>
<td>Colour</td>
<td>10p</td>
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<tr>
<td>A3</td>
<td>B&amp;W</td>
<td>10p</td>
<td>Wolf_Lee_3_A3_BW, Wolf_Lee_4_A3_BW, Wolf_Club_Room_A3_BW</td>
</tr>
<tr>
<td>A3</td>
<td>Colour</td>
<td>20p</td>
<td>Wolf_Lee_3_A3_Colour, Wolf_Lee_4_A3_Colour, Wolf_Club_Room_A3_Colour</td>
</tr>
</tbody>
</table>
PRINTING FROM BEDROOMS

- Install PaperCut Print Client
- Windows - Professional or Enterprise version
- Mac - OS X Lion (10.6) and later

More Information

http://www.ucs.cam.ac.uk/desktop-services/ds-print/individual
Printing to DS-Print printers from individual machines

It is possible to print to a DS-Print printer from an individual’s Windows or Mac machine with our DS-Print service. For example, a student with a Windows or Mac system in their own room, in a College with a UIS Managed Cluster or using the UIS Managed Print Service (DS-Print), can send a print job to a printer in the College computer room (and be charged for it as normal for the College). You need to have a Desktop Services account to use this service and print credit.

- DS-Print printers including location and print charges

DS-Print PaperCut service

Windows Vista (Business, Enterprise and Ultimate), Windows 7 (Professional, Enterprise and Ultimate), Windows 8.1 (Professional and Enterprise) and Mac OS X are fully supported. Support for Linux isn’t available however, please register your interest by emailing ds-print@ucs.cam.ac.uk. For full installation and support instructions click on the link below;

- DS-Print PaperCut service for Windows
- DS-Print PaperCut service for Macs running Lion (10.7) or later

Wireless printing is supported using an eduroam or UniOfCam connection (unfortunately, wireless printing is not supported at Selwyn College due to the college’s network configuration), both depend upon a strong and good quality signal. Please note, in some instances what appears to be a good signal is not and the print job fails. Should this happen, please retry in another location, which is closer (if possible) to a wireless access point. Should this not improve matters, please email ds-print@ucs.cam.ac.uk with a brief description of problem and the following details;
- Location, date and time experiencing difficulties
- Operating system your machine is using e.g. Windows 7 Professional or Mac OS 10.8
- How you’re connecting to the network - eduroam, UniOfCam or wired

Much improved performance is noted via a wired connection in comparison to a wireless connection.
VPN SERVICE

VPN connects your device to the University Network from a remote location

Useful For

- e-Journals access from home or on travel
- By-pass firewall restrictions in some countries

www.ucs.cam.ac.uk/vpn
The UIS VPN Service

The VPN service was officially launched in December 2014, superseding the previous VPDN service which was decommissioned on 27 April 2015.

What is the VPN service and when should I use it?

The VPN service is a way of connecting your device to the University of Cambridge Data Network (CUDN) from a remote location. Using the VPN not only is your device connected to the CUDN but it appears to actually be located on the CUDN.

This means that you can access resources that normally require you to be at the University, using a CUDN connected device. Examples of such services include:

- UFS
- Departmental or College resources
- Some restricted access websites.

Are there alternatives to the VPN service?

Yes, for some resources it is better to use alternatives and not the VPN. Examples include:

- Access to online journals for which the University has a subscription; most of these resources are available by using your Raven account
- Other Cambridge websites using Raven to authenticate user access.

How do I use it and how much does it cost?

The VPN service is free and anyone with a valid CRSid can use it. You do not need to apply to use the VPN as it uses the UIS Network Identifier and UIS Network Access Token, just like the eduroam wireless network. You may collect your identifier and token from the tokens website.

Setup instructions for systems currently supported are listed in the navigation (found either to the left of this page or in the drop-down menu on mobile devices).

Additional Information

When you connect to the VPN your device will receive a private CUDN-wide IP address.

Your connected device acts only as a client. This means it may connect to services and receive return traffic, allowing you to access resources as expected. However, your device is unable to act as a server when you are connected to the VPN. In other words, other hosts cannot connect to any service you run on your device when you are connected to the VPN.

Users of this service should note that, depending on the platform used and the means by which the remote computer is connected to the external ISP, the configuration of the remote computer, the client software and possible intermediate devices such as firewalls can be complex, requiring a substantial degree of technical competence. UIS will help with correctly configuring a device to connect to the VPN (via our Service Desk). Because of the variety of network connections and ISPs, the UIS cannot undertake to provide support in configuring or sorting out problems relating to remote network connectivity.
DS-Files is used to access the DS-Filestore personal file spaces from outside the Managed Cluster Service via a web interface. Unlike CIFS, it can be used from outside the Cambridge University Data Network (CUDN).

**DS-Files Web interface**

Use the DS-Files web interface at [https://dsfiles.ds.cam.ac.uk](https://dsfiles.ds.cam.ac.uk). This enables you to list your DS-Files files, transfer them (including drag and drop from the local machine to DS-Files only) between DS-Files and your local machine, delete, rename, or move them. You can display but not edit the contents of some types of file (depending on the capabilities and configuration of your web browser). It is available outside the cam domain, unlike the CIFS service.

When you go to the web interface it will request your Desktop Services username and password, and your home directory will be presented to you by default.

Welcome to DS-Files

Enter your crsid/password

Crsid, e.g. fjc55

Password

http://www.ucs.cam.ac.uk/desktop-services/ds-files
DS-Filestore connection from own computer

Accessing your DS filepace with the DS-Filestore CIFS service

The CIFS service allows you to use your Desktop Services personal filepace (or Society filepaces) directly from a non-MCS machine.

When you have successfully set up your CIFS connection, your DS filepace will appear as just another network device (like your CD drive or local hard disk), and can be used in exactly the same way as any local filing system.

What is CIFS?

The Common Internet File System (CIFS) is also known as SMB/Samba. It provides native file access to shared network resources. See Wikipedia for a detailed explanation of CIFS.

Making a Connection

Please click on the relevant link:

- Windows XP
- Windows Vista and Windows 7
- Macintosh
- Linux

http://www.ucs.cam.ac.uk/desktop-services/ds-filestore/cifs
First you will have to change a security policy setting (you only have to do this once) -

- login to Vista/Windows 7 with Administrator privileges
- download and run this file to alter the registry

See filesystem notes and troubleshooting for an explanation.

If you want to reverse the above registry change (ie stop using our CIFS service) then this file provides the antidote

Now you can follow these mapping steps - there are two alternative methods but the final effect is the same:

**Option 1 (via the Command Prompt)**

- Go to START and then Run, and type `cmd` in the Run box. This brings up a Command Prompt.
- At the Command Prompt type
  
  net use u: [cifs share path] * /USER:[DS userid]
  
  e.g. net use u: \filestore.ds.cam.ac.uk\a\aaaa99 * /USER:PFWAD\aaaa99 (the path is \filestore.ds.cam.ac.uk\first initial of CRSid\CRSid)

- You will be prompted for your Desktop Services password.
- Note: If you want this CIFS share to reconnect automatically next time, add `/PERSISTENT:YES` at the end of the line.
- Note: to delete the drive mapping use the command `net use u: /delete`

**Option 2 (via the graphical interface)**

- Navigate to "Computer" and on the toolbar select the [Map Network drive] button
- Select drive U:
- Put your CIFS share path in the Folder box e.g. `\filestore.ds.cam.ac.uk\a\aaaa99` (the path is `\filestore.ds.cam.ac.uk\first initial of CRSid\CRSid`)
- If you want this CIFS share to reconnect automatically next time, tick the 'Reconnect at logon' box.
- Tick "Connect using different credentials"
- Click "Finish" and type in PWFAD\username and password.

[Link](http://www.ucs.cam.ac.uk/desktop-services/ds-filestore/cifs-info/cifs-vista)
DS-WEBS

- Like a hosting package
- Make your own static HTML website
- Point your personal domain to it
- Absolutely free
- Simply put your files in public_html
- access website at
  
  http://people.ds.cam.ac.uk/CRSid/

PUBLISHING ONTO www.societies.cam.ac.uk

If you are a registered society then on request your group's pages can be published at http://www.societies.cam.ac.uk/

http://www.ucs.cam.ac.uk/desktop-services/ds-web/socpublish
DSpace

DSpace is the institutional repository, preserving and providing access to content created by members of the University.

Have you had a research article accepted for publication? Upload your accepted manuscripts to the Open Access website to meet REF and funder Open Access requirements.

https://www.repository.cam.ac.uk/
THE STREAMING MEDIA SERVICE (SMS)

To help University staff publish and share audio and video content easily on the internet, UIS provides the fully hosted Streaming Media Service (SMS). Uploaded media files can easily be displayed on other websites, while the web interface provides a public repository for the University's multimedia assets.

http://www.ucs.cam.ac.uk/audio-video
http://sms.cam.ac.uk
http://upload.sms.cam.ac.uk
IT COURSES

http://www.training.cam.ac.uk/ucs
HELP AND SUPPORT - UNIVERSITY IT

service-desk@ucs.cam.ac.uk

01223 (7)62999

UIS Service Desk
Roger Needham Building
7 J J Thomson Avenue
West Cambridge Site
Cambridge, CB3 0RB
HELP AND SUPPORT - WOLFSON IT

helpdesk@wolfson.cam.ac.uk

Alex Rzzo       01223 (3) 35977
Darryl Wilkin   01223 (3) 35977
Neil Mcintosh   01223 (3) 35967
Mirza Baig      01223 (3) 35966

IT Office, Jack King Building

FEEDBACK

it-manager@wolfson.cam.ac.uk