Computing Facilities

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Public PC:

You can log on to PCs on campus using your Kent IT account:

- **username**
- Windows **password**
Changing Windows password:

Once logged on, you should change your Windows password to something that is:

- Secure
- Easy to remember (but not simple)

To change your password, use the online web form:

https://www.kent.ac.uk/itaccount/password/

Alternatively, you may hold down Ctrl, Alt and Delete keys and a window will open. Select “Change password”
Web browsers:

- Microsoft Internet Explorer (IE)
- Microsoft Edge
- **Google Chrome**
Email:

Access Kent University email account via web by using your **Windows password**:  
http://live.kent.ac.uk/

Set up spam filter to reduce junk emails:  
https://www.kent.ac.uk/itservices/email/student/junk.html
File Store (1):

Two file servers for Computing students:

- bodiam
- raptor

Should **only** be used for University related material

- file stores are monitored to check for **illegal** files
File Store (2):

Server **bodiam**:

- Kent university server
- Disk quota **1 GB**
- Store roaming profile
  - Contains a user’s work environments (e.g., the desktop items and settings)
  - Is available wherever the user logs on

**Do not** save files under your profile directory (including the Windows Desktop)!
File Store (3):

Server **raptor**:  
- Unix server managed by School of Computing (CS)  
- **Backed up** every night  
- Disk quota **1 GB** (can be increased if required)  
- Accessible **off-campus** as well

It is used for CS students:  
- To store course related files under your **/home/** directory (e.g. class exercises and coursework)  
- To download teaching materials under the **/courses/** directory  
- To submit coursework under the **/proj/** directory
File access:

To access files on raptor from Windows, you need to map the drive:

- Start > File Explorer
- Select Network and then right-click
- Select Map Network Drive …
- Choose a spare drive letter (e.g., X)
- Enter `\\raptor\files` for the folder
- **Tick** the box “Reconnect at logon”

*To map raptor on a shared desktop in Drill Hall library, you need to enter the full path: `\\raptor.kent.ac.uk\files`*
File access:

To access files on raptor from **Mac**, you need to **map** the drive:

- On Finder
- Go > Connect to Server ...
- Enter `smb://raptor.kent.ac.uk/exports`
- **Tick** the button “+” to add to your Favourites
File organisation:

Under your /home/ directory on raptor:

› Create a **folder** (directory) for each of your modules (e.g., CO320, CO323)

› Create **subfolders** for each module (e.g. exercises, coursework)
File restoration:

In case you accidentally delete some of your files, you can send an email to cs-syshelp@kent.ac.uk with the following information:

- The **path** to where the data was stored (e.g. raptor:/home/co320/exercises)
- The **name** of the file(s) that you would like to restore
- The **date** and **time** of the last known copy
Offsite access – Files on raptor:

- Step 1: Set up your Unix password on raptor
  [http://www.cs.kent.ac.uk/systems/newuser/](http://www.cs.kent.ac.uk/systems/newuser/)

- Step 2: Download WinSCP from
  [http://winscp.net/](http://winscp.net/)

- Step 3: Install the software on your home PC/laptop

- Step 4: Run WinSCP and enter

<table>
<thead>
<tr>
<th>host:</th>
<th>raptor.kent.ac.uk</th>
</tr>
</thead>
<tbody>
<tr>
<td>username:</td>
<td>your Kent login</td>
</tr>
<tr>
<td>password:</td>
<td>your <strong>Unix</strong> password</td>
</tr>
</tbody>
</table>
Offsite access – CS web pages:

- CS home page: [http://www.cs.kent.ac.uk/](http://www.cs.kent.ac.uk/)
- Some of the CS web pages are **local only**
  (i.e., accessible only on campus)
  - web page names end with `.local`
  - web pages under LOCAL-ONLY directory
- These local web pages can be accessed **outside** the campus via: [http://chain.kent.ac.uk/](http://chain.kent.ac.uk/)
  - Enter your Kent login and Windows password in the prompt window
  - Select the link “School of Computing”
Offsite access – VPN:

Virtual Private Network (VPN):

- Connects your home PC to the Kent network and you can access any resources as if you were on campus
- You’ll need to do this for some modules, especially those involving MySQL, if you want to work from home

Instructions on setting up VPN:

http://www.kent.ac.uk/itservices/home/?tab=home-vpn-service
Makerspace:

"The Shed" (in Canterbury) – provide space for students to work on practical projects.

**Resources included:** CAD, CAM, turning, 3D printing, electronic PCB design, laser cutting and mold making.

[https://www.cs.kent.ac.uk/makerspace/](https://www.cs.kent.ac.uk/makerspace/)
SoC Cloud:

Self-service virtual machines and storage, similar to other cloud-based systems from Amazon, Google.

Mainly for final year projects, but not limited.

https://www.cs.kent.ac.uk/systems/cloud/
Course material:

Most of our teaching material (e.g. lecture slides, class exercises, etc.) are accessible from module page on **Moodle** at:

http://moodle.kent.ac.uk/

Some are stored on **raptor** under /courses/ (e.g., /courses/co320)
Compressed (zipped) files:

Quite often you will get compressed (zipped) class material. This needs to be uncompressed before use.

‣ On **Windows**:
  - Right click on the file
  - Select "Extract All..."

‣ On **Mac**:
  - Double-click on the file to uncompressed
Information for students:

› Kent University **student portal** web page  
  [http://www.kent.ac.uk/student/](http://www.kent.ac.uk/student/)

› Student Database System (**SDS**)  
  [http://sds.kent.ac.uk/](http://sds.kent.ac.uk/)

› SDS keeps:
  
  • Your personal details
  
  • Module timetable, **coursework** and **exam** results
Submit your coursework:

- All coursework must be submitted **before** the deadline
  
  *(Lecturer will set the deadline and submission format)*

- Hard copies:
  
  - Hand in to the reception in **Gillingham** building

- Electronic files:
  
  - On **Moodle**
  
  - Place your coursework files into your submission area on **raptor** under `/proj/` – e.g., `/proj/co320/assessment2/#####/

  *(where #### refers to your login)*
Computer software download:

- Microsoft Developer Network Academic Alliance (MSDNAA)
- CS students and staff are allowed to download free copies of Microsoft development tools and current operating systems
- For details, read:
  http://www.cs.kent.ac.uk/systems/faq/msdnaa/index.html
  (You need to register first before downloading software from the site)
Computer software:

- Software on public desktop on campus (e.g., BlueJ and Notepad++)
- On Kent desktop:
  Start > All apps > Departmental Software

*Both BlueJ and Notepad++ are freeware. You can download the latest version and install them on your home PC/laptop.*
Seeking help:

- Lecturers and class supervisors
- **Computing workshops** at Medway:
  - Some Stage 2/3 students are selected to provide extra supports for Stage 1/2 students
  - Three sessions a week during the term
- Other students
- Academic advisers (tutors)
- CS system group: cs-syshelp@kent.ac.uk
Regulations, misuse, etc:

- Details at: http://www.kent.ac.uk/is/regulations/it/
- Key regulations are only five pages
- Your agreement is required to use IT facilities
- All staff and students should note that their activities on the network are logged and these logs may be used to ensure proper use
- Disciplinary action may be taken against any one breaching the regulations
After this session (1-3pm)

- Computing Practical Setup (pre-term tasks)
- Divided into 3 different groups/rooms
  - **Group 01**: M3-28 (Yuzhou Lin)
  - **Group 02**: M2-29 (Ismail Anwar)
  - **Group 03**: G4-04 (Lam Pham)
questions: