

Lecture: 1-2

- Prerequisites for this lecture are: 1-1.

Installing VMware image of Debian 10

- you will need to download this zip archive: `<http://floppsie.comp.glam.ac.uk/download/targz/deb10.zip>`
- you will need to obtain a legal vmplayer, an evaluation/home use can be tried here [evaluation-home-student](https://www.VMware.com/uk/products/workstation-player/workstation-player-evaluation.html) `<https://www.VMware.com/uk/products/workstation-player/workstation-player-evaluation.html>`
- if you are a University of SouthWales student you can email [Robert Thomas](mailto:robert.thomas@southwales.ac.uk) `<robert.thomas@southwales.ac.uk>` in our dept for a VMware licence. He needs to register you to the VMware academic programme. Please only email him from a University email account.

Installing VMware image of Debian 10

- to install on a GNU/Linux machine you need to:

```
$ cd  
$ mkdir VMware  
$ cd VMware  
$ wget http://floppsie.comp.glam.ac.uk/download/targz/deb10.zip  
$ unzip deb10.zip
```

Installing VMware image of Debian 10

- you need to install `vmplayer` using the instructions provided by VMware

- now start `vmplayer`

- ```
$ vmplayer &
```

- you should now open a virtual machine and choose the top Debian 10
  - this also contains a number of SouthWales packages added and github sources installed in `$HOME/Sandpit` as per lecture/tutorial notes for the Game Tool Development and Game Engine Design modules.
  - your account name is: `student` and password is a
  - the `root` account password is also a



## About this USW VMware image

- it is based on the Debian 64bit Buster distribution
- as far as known it has all the tools necessary to complete the courseworks for Game Engine Design, Game Tool Development and Operating Systems
  - caveat, there maybe additional packages, necessary, but these should be a single command line instruction away
- it comes with `gcc`, `g++`, `gdb`, `vi`, `emacs`, `python3`, `python2`, `pge`, `chisel`, `gm2`, `openconnect` (a vpn client) and thousands of other packages
  - C++-17 is also installed as an extra, the `gcc-10` is also installed which contains detailed semantic analysis of your C programs!