

Lecture: 1-2

- Prerequisites for this lecture are: 1-1.

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

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