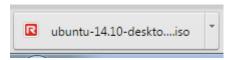
CSCI114/MCS9114 Procedural Programming – Lab 0

1. Ubuntu 14.10 desktop iso downloaded from aarnet



- 2. Create new virtual machine on VMWare player
 - a. Choose install OS later



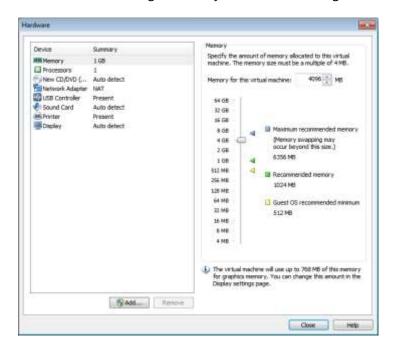
b. Select Linux/Ubuntu as OS type



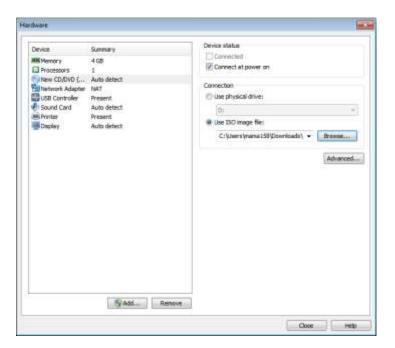
c. Select VM location on Desktop



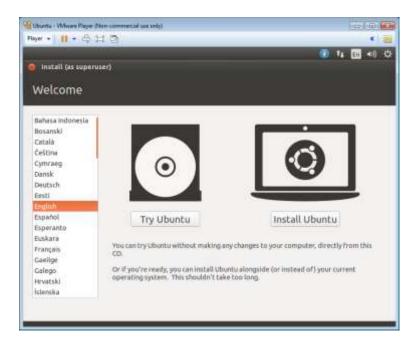
d. Change memory to 4GB, set storage to 8GB



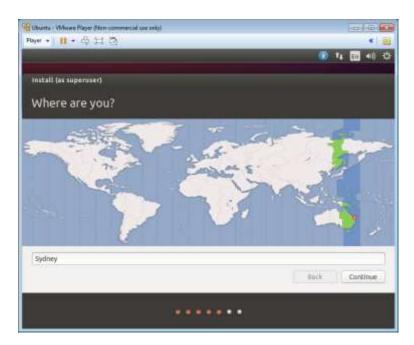
e. Set Ubuntu ISO to CD ROM



- 3. Start Ubuntu installation
 - a. Erase disk and install



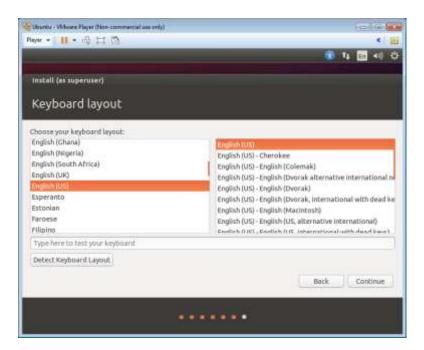
b. Select time zone



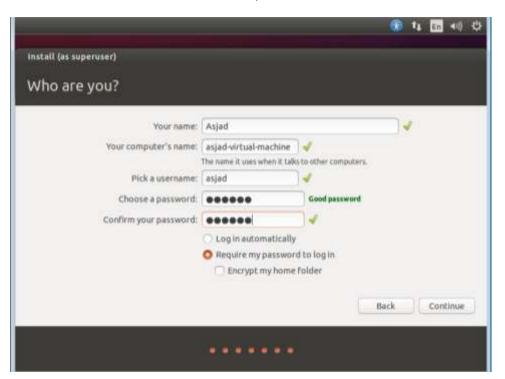
c. Select English as language and keyboard layout

Name: Mohamed Asjad Athick

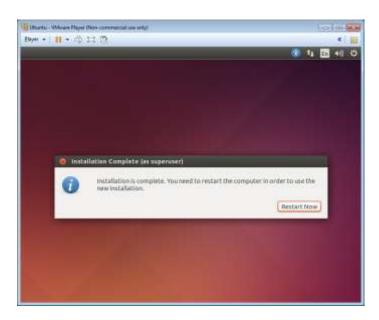
Student: 4970512



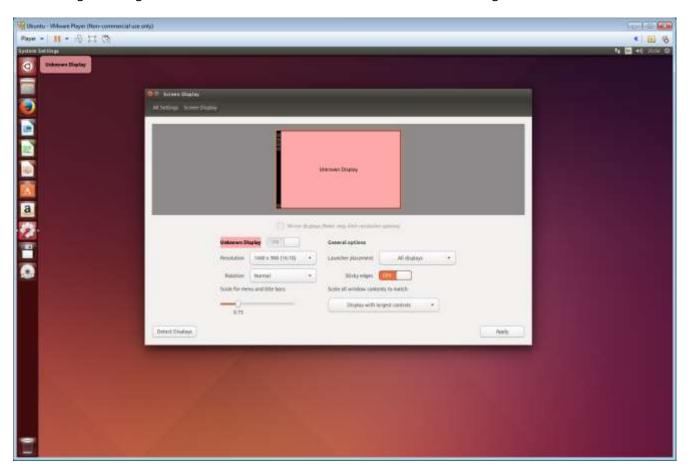
d. Provide username and password for the account



e. Finish Ubuntu installation



4. Login, change screen resolution and scale to a more suitable setting



- 5. Run sudo –u root bash
 - a. Get build essentials by running sudo apt-get install build-essential

```
Popularised-virtual-machine:~

root@asjad-virtual-machine:~# sudo apt-get install build-essential

Reading package lists... Done

Building dependency tree

Reading state information... Done

build-essential is already the newest version.

⊕ to upgrade, ⊕ to newly install, ⊕ to remove and 213 not to upgrade.

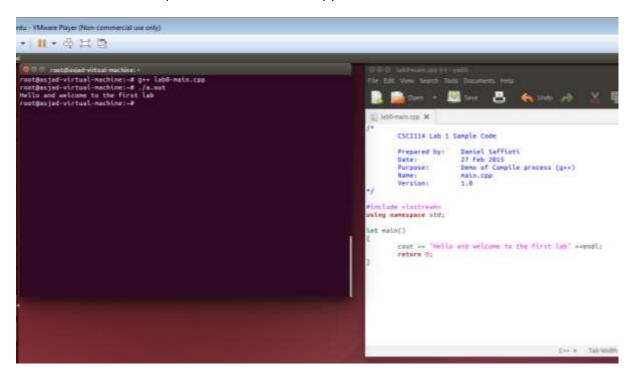
root@asjad-virtual-machine:~# ■
```

6. Demonstrate G++ compiler is installed by compiling/running a sample program

```
root@asjad-virtual-machine:-

[1]+ Done gedit main.cpp
root@asjad-virtual-machine:-# g++ main.cpp
root@asjad-virtual-machine:-# ./a.out
Hello Worldroot@asjad-virtual-machine:-#
```

7. Download, compile and run lab0-main.cpp



8. Copy lab0-main.cpp using SFTP + put command to banshee

```
root@asjad-virtual-machine:-/CSCI114

root@asjad-virtual-machine:-/CSCI114# sftp mama158@banshee.cs.uow.edu.au

Password:

Connected to banshee.cs.uow.edu.au.

sftp> put lab0-main.cpp

Uploading lab0-main.cpp to /home/ug/i/mama158/lab0-main.cpp

lab0-main.cpp

sftp>

100% 281 0.3KB/s 00:00
```

Student: 4970512

9. Submit lab0-main.cpp using SSH + submit command to banshee

```
on cot@asjad-virtual-machine: ~/CSCI114
root@asjad-virtual-machine:~/CSCI114# sftp mama158@banshee.cs.uow.edu.au
Password:
Connected to banshee.cs.uow.edu.au.
sftp> put lab0-main.cpp
Uploading lab0-main.cpp to /home/ug/i/mama158/lab0-main.cpp
lab0-main.cpp
                                                               100% 281
                                                                                0.3KB/s
                                                                                             00:00
sftp> exit
root@asjad-virtual-machine:~/CSCI114# ssh mama158@banshee.cs.uow.edu.au
Password:
Last login: Thu Mar 12 09:27:21 2015 from mega-pc02.adeis
$ submit -c csci114 -u mama158 -a lab0-test lab0-main.cpp
Remote Password:
Preparing to submit ... /
Connecting ... |
Submission in progress ... 100% \
Submission completed successfully.
REMEMBER: your submission receipt will be emailed to you.
```