

ubuntu MATE X1000

Here are the installation instructions for ubuntu MATE 15.10 (based on A-EON Linux manual Version 2.5.1.4):

The installation instructions cover installing ubuntu MATE 15.10 from a "netboot over the internet" installation from a single install image.

1. Download and extract the kernel image, vmlinuz-4.2

Download: http://www.xenosoft.de/vmlinux-4.2-AMIGA_one_X1000.tar.bz2

2. Download the Ubuntu ramdisk image (initrd.gz) from:

Download: <http://ports.ubuntu.com/ubuntu-ports/dists/wily/main/installer-powerpc/current/images/powerpc64/netboot/initrd.gz>

and copy them to a USB stick

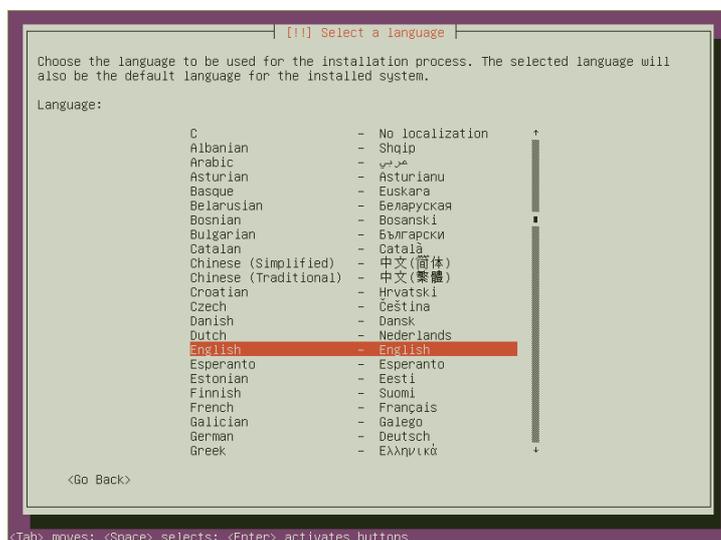
3. Turn on the AmigaONE X1000 and press F to boot to enter CFE prompt. Insert the USB stick.
4. You can boot the installer using the commands below:

```
CFE> ramdisk -z -addr=0x24000000 -fatfs usbdisk0:initrd.gz
```

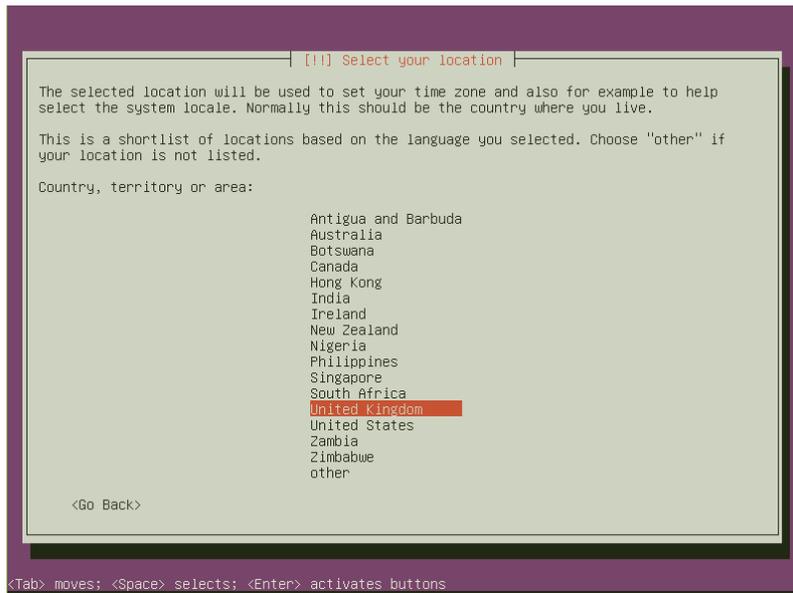
```
CFE> setenv bootargs "root=/dev/ramdisk"
```

```
CFE> boot -elf -noints -fatfs usbdisk0:vmlinuz-4.2
```

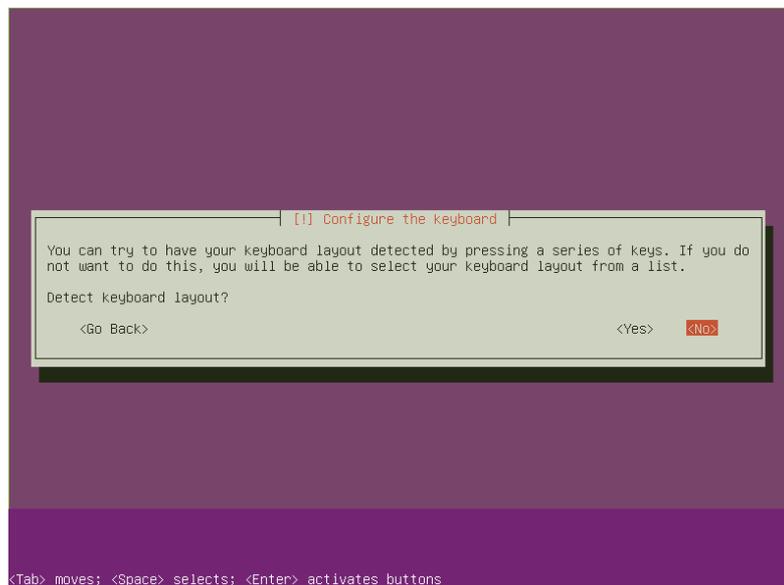
5. Select Language



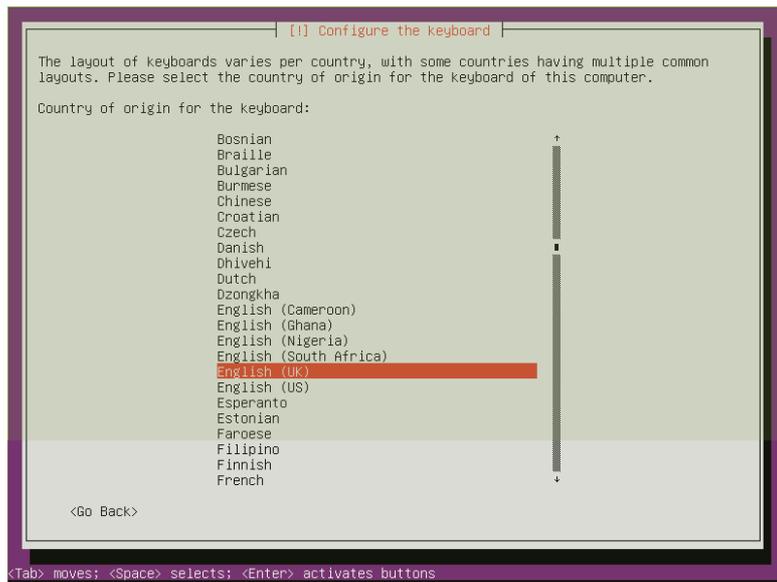
6. Select Your Location



7. Detect Keyboard Layout. Select No and Pick from the list

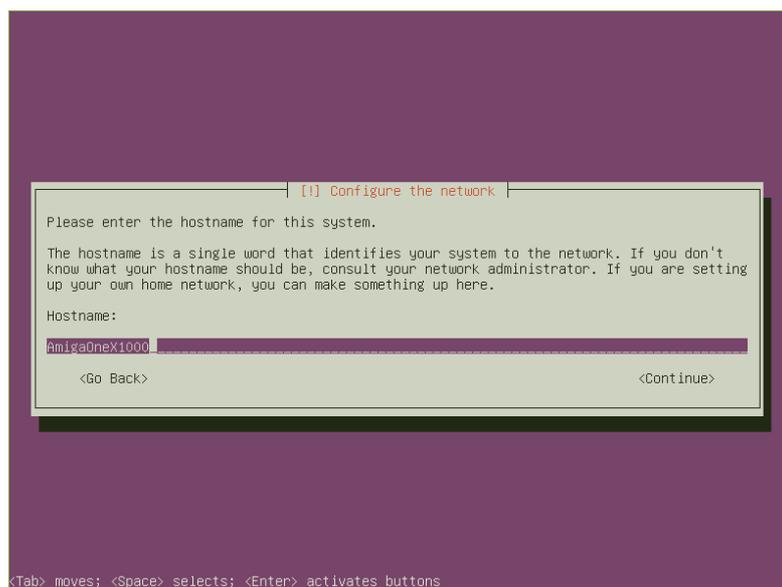


8. Pick from the list:

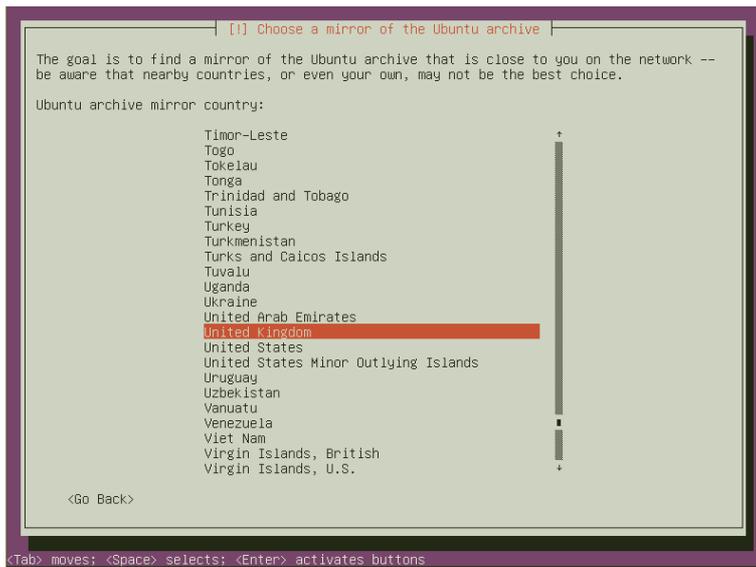


9. Configure Network

10. Enter Hostname



11. Select the Ubuntu Archive Mirror Country - [it is configured for the UK]



12. Leave the HTTP Proxy parameter blank and start the installation shell with ctrl+alt+F2 and create a directory in "/lib/modules/" with the name of your used kernel, i.e.

```
mkdir /lib/modules/<name_of_your_kernel>
```

e.g.

```
mkdir /lib/modules/4.2.0_A-EON_AMIGA_one_X1000_Nemo
```

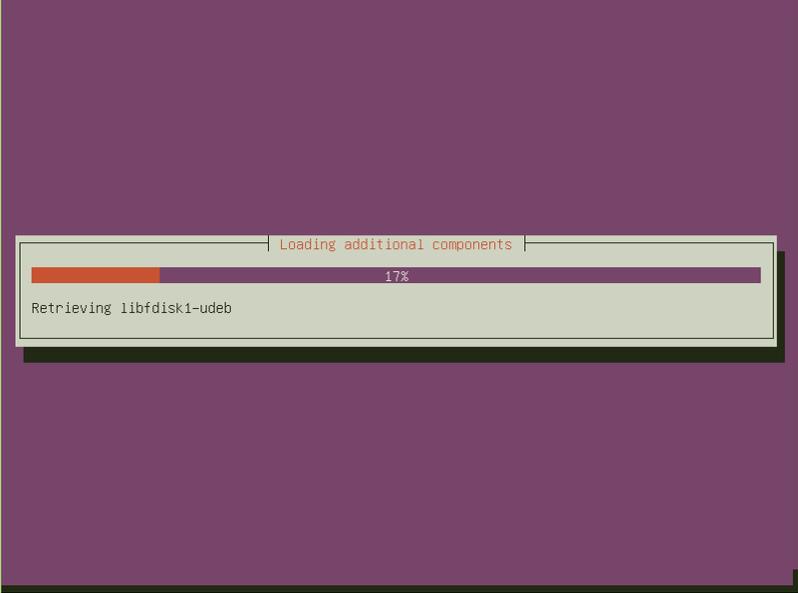


```
Please press Enter to activate this console.

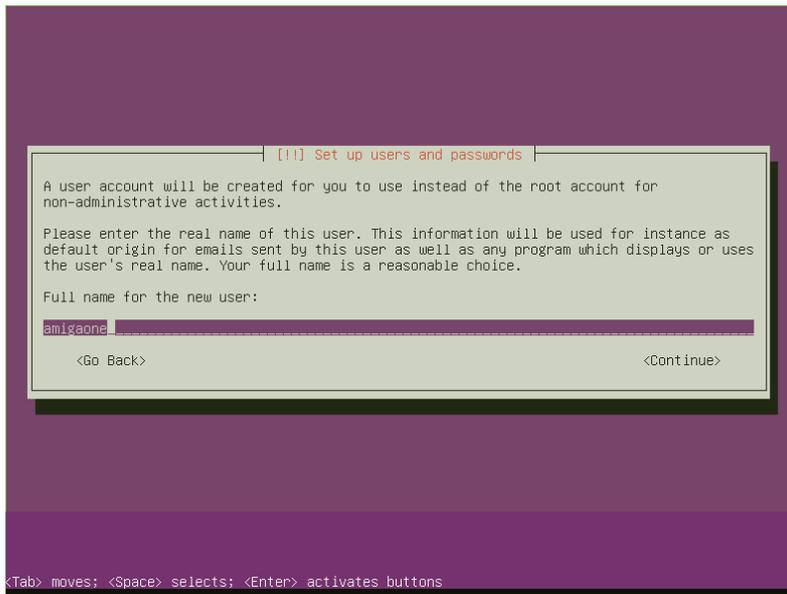
BusyBox v1.22.1 (Ubuntu 1:1.22.0-15ubuntu1) built-in shell (ash)
Enter 'help' for a list of built-in commands.

~ # mkdir /lib/modules/4.2.0_A-EON_AMIGA_one_X1000_Nemo
~ #
```

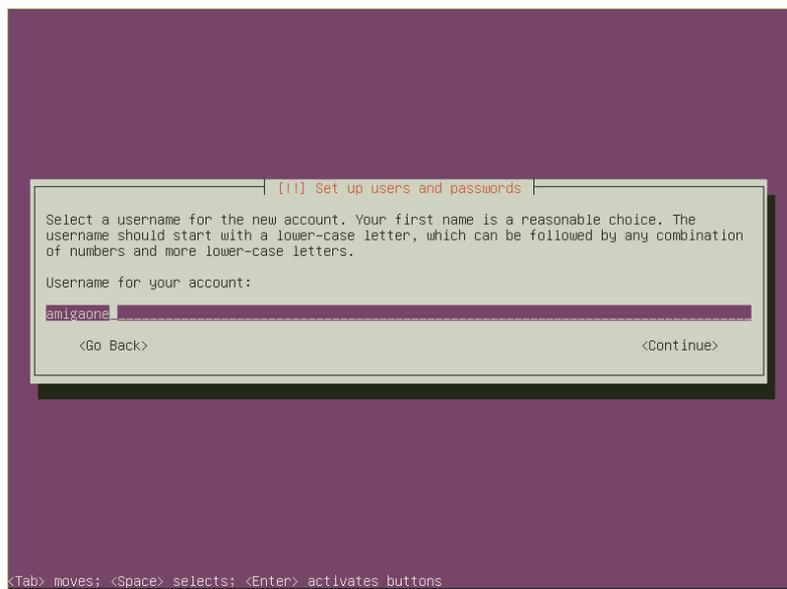
- 13. With ctrl+alt+F1 you can switch back to the installer
- 14. When prompted that no kernel modules were found select Yes to continue without loading them.
- 15. The installer components will be retrieved from the Ubuntu mirror [this will take a long time]



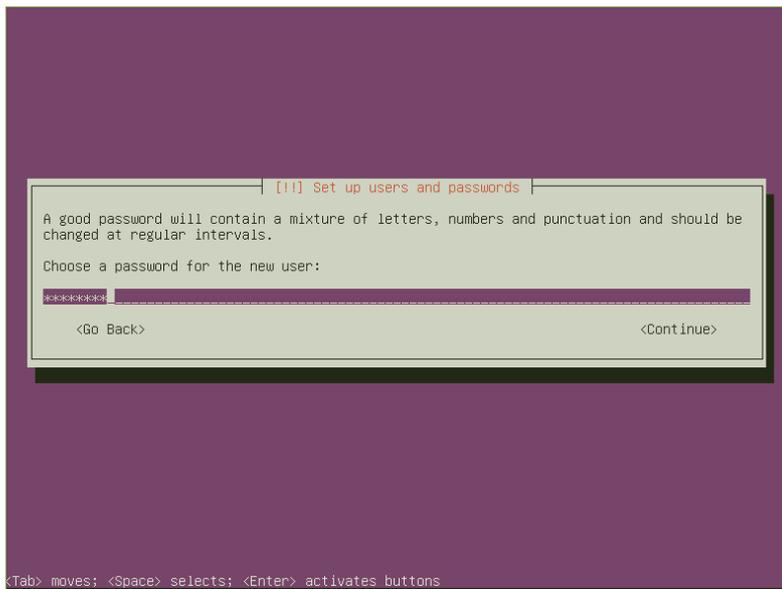
16. Enter your Full Name



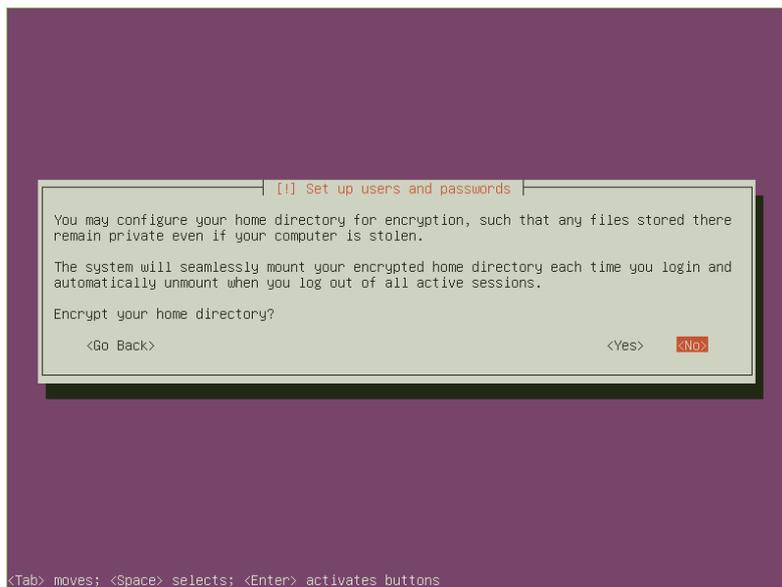
17. Enter your username for your account



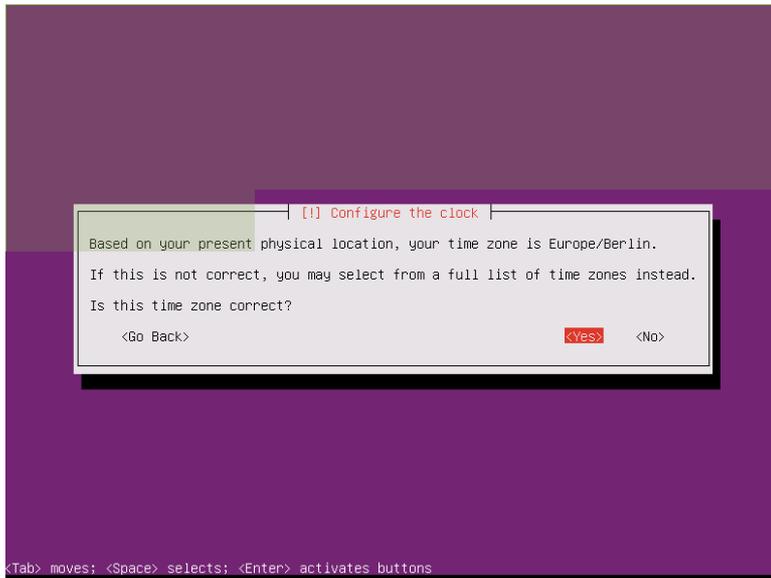
18. Enter your password and confirm



19. Select No to Encrypt your home directory



20. Confirm your time zone

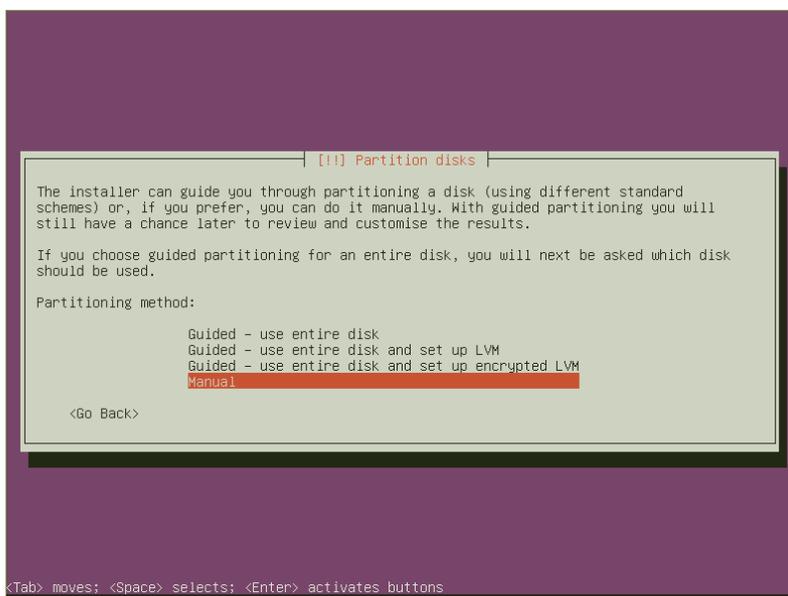


21. When prompted for module dm-mod leave the parameter blank and select continue

22. Click Continue at the warning of "Software RAID not available"

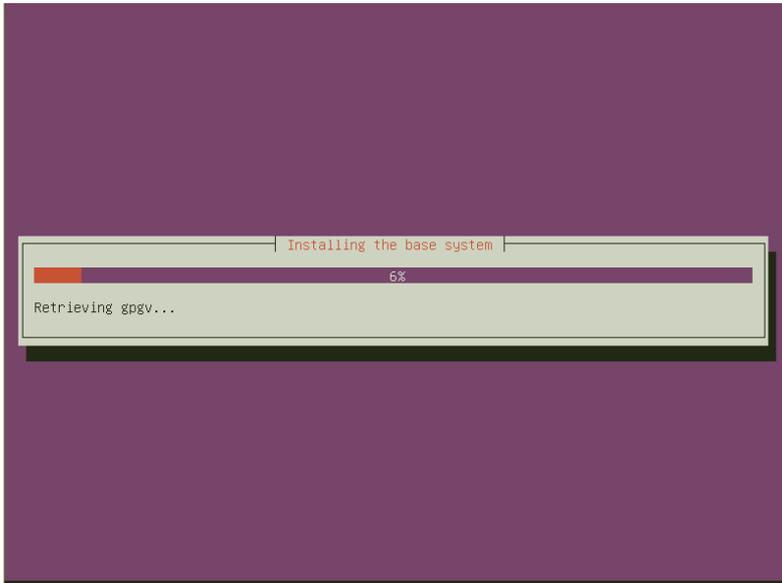
23. Click Continue at the warning of "Logical Volume Manager not available"

24. You can now partition your disk.

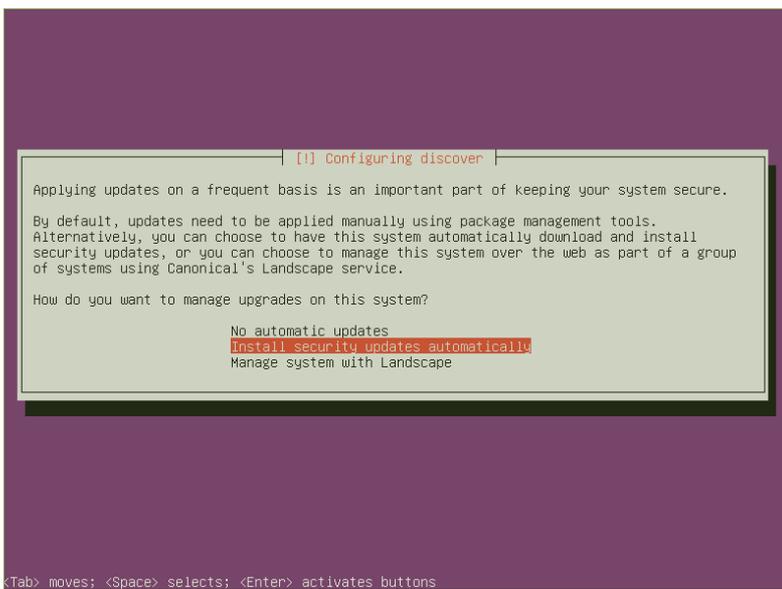


You must exercise caution when modifying your partition tables!

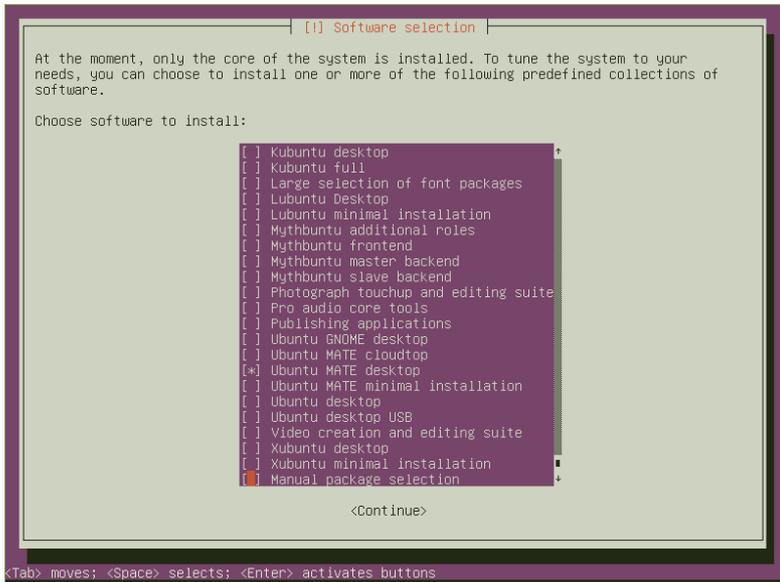
25. The base system will now be retrieved from the mirror site and installed



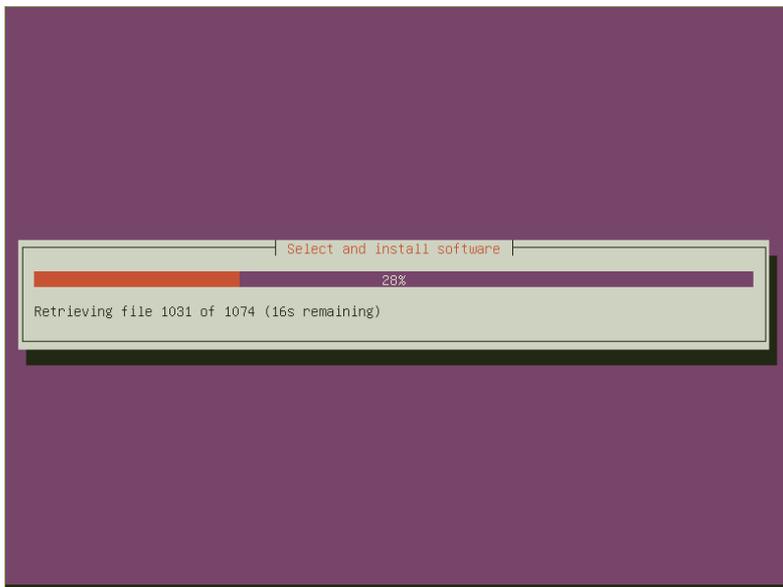
26. Select "Install security updates automatically"



27. At the software selection screen you will be asked to select which *buntu flavour(s) you would like to install. You can install as many as you like. To install ubuntu MATE arrow down to the "Ubuntu MATE desktop" option and press the space bar to mark the option. Now press return to continue.

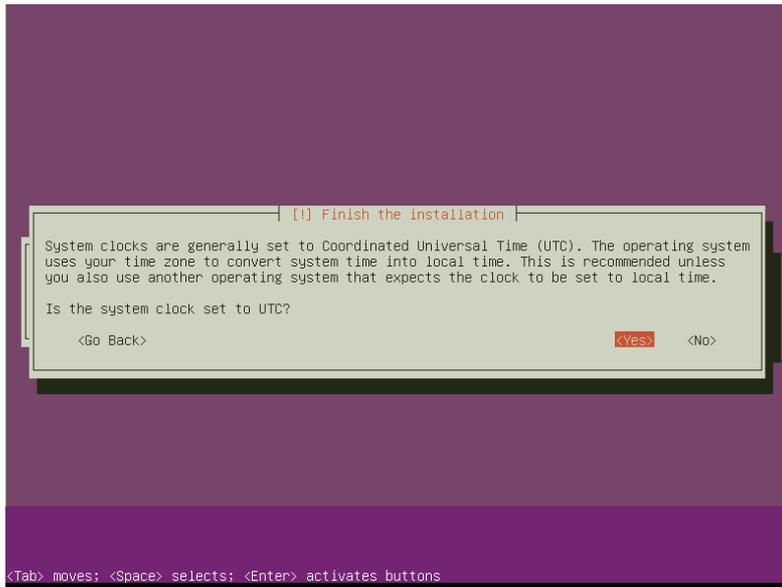


28. The additional packages required to install the full desktop will be retrieved and installed. - [this will take some time to complete depending on the speed of your internet connection]



29. At "Continue without boot loader" take note of your root partition.

30. Select Yes to set confirm the system clock is set as UTC.



31. Select Continue to finish the installation and reboot!

32. Press F to boot to enter CFE prompt. Remove if necessary and re-insert the USB stick containing the vmlinux-4.2 kernel. Enter the following commands replacing the root partition (sdb9) with the ID of the partition where you installed ubuntu MATE.

```
CFE> setenv bootargs "root=/dev/sdb9"
```

```
CFE> boot -elf -noints -fatfs usbdisk0:vmlinux-4.2
```

33. Later, you could copy the kernel vmlinux-4.2 to the CF card and configure a CFE menu entry.

```
CFE> setenv -p MENU_2_LABEL "ubuntu MATE 15.10 with kernel 4.2"
```

```
CFE> setenv -p MENU_2_COMMAND 'set pmu -astate=A4 ;  
setenv bootargs "root=/dev/sdb9 quiet ro splash" ;  
boot -elf -noints -fatfs cf0:vmlinux-4.2'
```

