

Linux 101 class by Brian Byrne, draft instructions.

[**NB:** All users are responsible for their own data, this process should be executed on a SPARE laptop, first. Take extra care when partitioning, it is YOUR responsibility to do it correctly.]

There are two parts:

- the inspection of the laptop and partition with System Rescue
- the installation of LXLE

1. Inspection and partition with System Rescue

- Switch off your laptop
- Insert boot media
- Set your laptop to boot from the USB or CD, whatever is appropriate in the BIOS or use F12 key

1.1 Boot from System Rescue

At the menu take the defaults – hit the **Enter key**
Watch the small version of Linux, System Rescue, start up

1.2 At the prompt type: **startx**

- In the terminal windows type: **lspci**

Q: Write down the name of Graphics adapter, Ethernet device and the Wireless controller.

- In the terminal windows type: **lsusb**

Q: Write down the name any external Wireless controller

- In the terminal windows type: **lscpu**

Q: Write down the Architecture type

Keep these for later on.

1.3 In the terminal windows type: **gparted**

[If blank, click on New]

- Resize existing partitions to make space for Linux, about 16+ GB
- Create a Linux swap partition of about 2-4 Gb (leave more than 12 for Linux, adjust according with common sense)
- Create a Linux Ext3 partition in the spare space.
- Write down the numbers of the Linux swap and Ext3 partitions.
- Exit gparted and in the terminal window type: **halt**

Remove the media

2. Install LXLE

2.1 Insert the LXLE 16.04 media and reboot from it. [F12, etc]

Pick a language and hit **enter**

2.2 **Select** try LXLE without installing

When the desktop has appeared connected to wireless [right hand corner]

- SSID:
- Password:

2.3 After that has been successful, selection the Install LXLE LTS, right click and open

- Welcome ->**Continue** [take all sensible defaults]
- Preparing to install LXLE -> **Continue** [nothing else]
- Installation type ->**Something else**-> **Continue**

2.4 **Select** the Ext3 partition you created before

- Change – Use as – **Ext3 journalling file system**
- **Select** format this partition
- **Mount point** /
- **OK**
- Wait a few seconds -> **Continue**
- Wait a minute or so → **Install now**

2.5 Fill in details

- Where are you?-> select your city -> **Continue**
- Keyboard layout ->Whatever you want ->**Continue**
- Who are you -> Your name ? Fill in as appropriate, etc, but probably best to use **Log in automatically.**
- Avoid encrypting your home folder too ->**Continue**

Wait until the final message: **Installation Complete**

2.6 **Click on** Continue Testing and shutdown from menu [bottom left]

[remove the media and give back to Brian]