UDEMY COURSE MATERIAL

COMPLETE GUIDE TO INSTALL
UBUNTU LINUX WITH OPENBOX

UbuntuOpenbox.com/udemy

Section 3 – Install Ubuntu Operating System

1. Repositories:
A repository is a server storing packages that are suitable to be installed right away (packages as well as all of their dependencies)

/etc/apt/source.list file will have a list of repository addresses.

*PPA:
A Personal Package Archives (PPA) is a repository maintained by an individual or an independent group; as oppose to the official repository maintained by Ubuntu.

2. Update apt information (from source.list file)
sudo apt-get update
It will go to the addresses listed in the /apt/etc/source.list file and update the information about *what are on there (which packages are on there) and what have been changed (what the current packages' versions are).*
You need to execute this command whenever you want to install any package.
3. Install packages
sudo apt-get install [packages' name]
For example:
sudo apt-get install firefox openbox
will install both firefox and openbox at the same time.
4. Remove packages
sudo apt-get remove firefox
* remove packages and all their configuration file.
sudo apt-get remove --purge firefox
5. nano to edit text file
sudo nano /directory/to/text/file
Navigate through the text file using up/down/left/right keys.
* shortcut keys:
"Ctrl + X" to exit nano, "Y" to save and "N" to abort the saving.

Section 4 – Install Openbox And Configure It

A. Install packages

Copy paste: *The commands to install all of the packages for this section.*
sudo apt-get install xorg openbox firefox tint2 terminator geany gksu

Xorg, the foundation of GUI: **xorg**
     *if for any reason that "the **startx** command are not found". Please install **xinit** package:*
     sudo apt-get install xinit
Firefox browser: **firefox**
     For accessing online materials while install Ubuntu Openbox.
Tint2 taskbar: **tint2**
Geany text editor: **geany**
Terminator terminal: **terminator**
For using GUI application with root privilege: **gksu**
     For example: **gksu geany /directory/to/text/file** or **gksu thunar**

*Install VboxGuestAdditions
For testing only. IF you are installing on a real machine, this virtualbox guest additions package is not needed.
Mount VboxGuestAdditions.iso file in to virtual machine
sudo apt-get install build-essential module-assistant
sudo m-a prepare
sudo blkid #To find where the iso file is in your system (often at /dev/sr0)
mkdir cdrom
sudo mount /dev/sr0 cdrom
cd cdrom
sudo ./VBoxLinuxAdditions.run

B. Configure Openbox
Copy configuration files to user's home folder:
cp -R /etc/xdg/openbox ~/.config/
*Notice that because you are working on your home folder. You do not need to use **sudo***

Edit configureation files:
geany ~/.config/openbox/rc.xml
geany ~/.config/openbox/autostart.xml
geany ~/.config/openbox/menu.xml
Replace the content of these file with ones below:

My recommended Openbox configuration files:
rc.xml file: *http://pastebin.com/ajfTFaay*
autostart file: *http://pastebin.com/EmY8gx9c*

menu.xml file: *http://pastebin.com/5Cixsqpa*

* We have to edit the **/etc/sudoer** file for the two last entry (for *shutdown* and *restart)* of right click menu can work:

Open sudo configuration file (sudoer) in nano text editor by this command:

sudo visudo

Add this line to the end of sudoer file:

user_name ALL=(ALL) NOPASSWD: /sbin/poweroff, /sbin/reboot

Ctrl + X and "Y" to confirm.

Section 5 – Essential Feature Of A Operating System

Copy paste: The commands to install all of the packages for this section.

sudo apt-get install thunar thunar-volman thunar-archive-plugin thunar-media-tags-plugin humanity-icon-theme gvfs gvfs-backends file-roller rar unrar p7zip zip unzip p7zip-full p7zip-rar wicd htop scrot slim i3lock libnotify-bin xfce4-notifyd software-properties-common

Details:

File manager: **thunar thunar-volman thunar-archive-plugin thunar-media-tags-plugin humanity-icon-theme gvfs gvfs-backends**

Archieve manager: **file-roller rar unrar p7zip zip unzip p7zip-full p7zip-rar**

The network manager: **wicd**

The system mornitor: **htop**

The screen capture: **scrot**

The screen locker: **i3lock**

The notification: **libnotify-bin & xfce4-notifyd**

For adding PPA: **software-properties-common**

The login manager:

I have not used login manager anymore. Just plainly entering username and password.

We will add some lines into **~/.profile** file in your home folder:

geany ~/.profile

add these line to the end of that file:

startx after login

if [[-z $DISPLAY]] && [[$(tty) = /dev/tty1]]; then

exec startx

fi

From now on, the GUI will autostart (without the need of **startx** command) as soon as you enter your

username and password.

(Optional – if you want to use Openbox with other Desktop Environments or Window Managers. You will need a good login manager)

Use --no-install-recommends flag to prevent unecessary package to be installed.

*lxdm
sudo apt-get install lxdm --no-install-recommends
Please go here for more information and instruction:
https://wiki.archlinux.org/index.php/LXDM

OR

*lightdm
sudo apt-get install lightdm lightdm-gtk-greeter --no-install-recommends
For more information and instruction
https://wiki.archlinux.org/index.php/LightDM

Section 6 – Install Internet Applications

Add PPA for Uget (this is the official PPA from the developer of Uget)
sudo add-apt-repository ppa:plushuang-tw/uget-stable
sudo apt update

Copy paste: *The commands to install all of the packages for this section.*
sudo apt-get install thunderbird pidgin uget

Details:

Firefox for internet browser: **firefox (already installed)**
Thunderbird for email client: **thunderbird**
Pidgin for multi-platform chat client: **pidgin**
Uget for download manager (Official PPA from developer): **uget**

Dropbox for cloud storage (proprietary software)
Go to: *https://www.dropbox.com/install?os=lnx*
for download the .deb package
and install with this command
sudo dpkg -i [.deb package]

Section 7 – Install Multimedia Applications

Add PPA for Viewnior (for Ubuntu 14.04 only. If you are using newer version of Ubuntu, it has already been in repository)
sudo add-apt-repository ppa:skellat/flow1
Add PPA for Caffeine (for Ubuntu 15.04 and earlier. It has already been in the repository for Ubuntu 15.10)
sudo add-apt-repository ppa:caffeine-developers/ppa

sudo apt-get update

Copy paste: The commands to install all of the packages for this section.
sudo apt-get alsa-base alsa-utils volti install vlc audacious ffmpeg gimp shutter viewnior

<u>Details:</u>

Alsa sound cards driver: **alsa-base alsa-utils**
If your sound card does not work right after installing the above packages, please do as following:
sudo alsactl init
to make alsa guess the audio card(s) on your system
sudo adduser [username] audio
to add your username to autio group
Then, reboot your computer for the change to take effect.
Volti for sound applet: **volti**
VLC for playing videos: **vlc**
Audacious for playing music: **audacious**
FFmpeg for converting audio and video: **ffmpeg**
Gimp as image suite (like Photoshop): **gimp**
Shutter for screen capture: **shutter**
Viewnior as image viewer: **viewnior**

Section 8 – Install Office Applications

Add PPA for LibreOffice (from the developer of LibreOffice)
sudo add-apt-repository ppa:libreoffice/ppa
sudo apt-get update

Copy paste: The commands to install all of the packages for this section.
sudo apt-get install fbreader libreoffice-calc libreoffice-writer libreoffice-gtk

Details:

LibreOffice Writer (word processor): **libreoffice-writer**
LibreOffice Calc (spreadsheet): **libreoffice-calc**
* OPTIONAL: for other applications of Libreoffice
LibreOffice Base (database): l**ibreoffice-base**
LibreOffice Draw (drawing): **libreoffice-draw**
LibreOffice Impress (presentation): **libreoffice-impress**
LibreOffice Math (equation editor): **libreoffice-math**

Theme for LibreOffice: **libreoffice-gtk libreoffice-style-sifr**
FB Reader for reading ebook: **fbreader**

*Foxit as Pdf reader (proprietary software)
https://www.foxitsoftware.com/downloads/
go to the link to download the .run package for Linux 64 bit platform. Open it and follow the instruction.

Section 9 – Customize The Look

Copy paste: *The commands to install all of the packages for this section.*
sudo apt-get install nitrogen conky obconf lxappearnce obconf

Details:

Set wallpaper: **nitrogen**
Show system information on screen: **conky**
Change Openbox theme and more: using **obconf**
        Theme: Mistral
        Download at: http://phobi4n.deviantart.com/art/Mistral-Openbox-543910044
Change GTK theme: using **lxappearance**
        Theme: Breeze-gtk
        Download at: https://github.com/dirruk1/gnome-breeze
Change Icon theme: using **lxappearance**
        Theme: AwOken
        Information at: http://alecive.deviantart.com/art/AwOken-163570862
        By PPA:
                • *sudo add-apt-repository ppa:alecive/antigone*
                • *sudo apt-get update*
                • *sudo apt-get install awoken-icon-theme*

Change Cursor theme: using **lxappearance**
Theme: Breeze
Download at: http://gnome-look.org/content/show.php/Breeze+Serie?content=169316