

PRAKTIKUM SISTEM OPERASI
MODUL 12



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E

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FAKULTAS KOMUNIKASI DAN INFORMATIKA
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```
First installation detected...
Checking NSS setup...
Setting up libpam-systemd:amd64 (245.4-4ubuntu3.19) ...
Processing triggers for install-info (6.7.0.dfsg.2-5) ...
Processing triggers for fontconfig (2.13.1-2ubuntu3) ...
Processing triggers for desktop-file-utils (0.24-1ubuntu2) ...
Processing triggers for mime-support (3.64ubuntu1) ...
Processing triggers for hicolor-icon-theme (0.17-2) ...
Processing triggers for gnome-menus (3.36.0-1ubuntu1) ...
Processing triggers for libc-bin (2.31-0ubuntu9) ...
Processing triggers for man-db (2.9.1-1) ...
Processing triggers for dbus (1.12.16-2ubuntu2) ...
pooh@pooh-VirtualBox:~$ mkdir -p /home/pooh/Pooh-Nux
mkdir: invalid option -- '/'
Try 'mkdir --help' for more information.
pooh@pooh-VirtualBox:~$ mkdir -p /home/pooh/Pooh-Nux
pooh@pooh-VirtualBox:~$ cubic

(cubic:12535): Gtk-WARNING **: 03:48:50.662: Content added to the action area of a dialog using header bars
(cubic:12535): Gtk-WARNING **: 03:48:50.663: Content added to the action area of a dialog using header bars
(cubic:12535): Gtk-WARNING **: 03:48:50.785: Content added to the action area of a dialog using header bars
(cubic:12535): Gtk-WARNING **: 03:48:50.786: Content added to the action area of a dialog using header bars
(cubic:12535): Gtk-WARNING **: 03:48:50.923: Content added to the action area of a dialog using header bars
(cubic:12535): Gtk-WARNING **: 03:48:50.924: Content added to the action area of a dialog using header bars
```

Activities Cubic Jan 5 03:52

Custom Ubuntu ISO Creator

Next

Select the original disk image to customize.

Original Disk...	Custom Disk...
Version	2023.01.05
Filename	ubuntu-20.04-desktop-amd64_4.iso
Directory	/home/pooh/WindowsShare
Volume ID	Ubuntu 20.04 LTS amd64
Release	Focal Fossa
Disk Name	Ubuntu 20.04 LTS "Focal Fossa" - Release amd64
Release URL	http://www.ubuntu.com/getubuntu/release
OS Release	<input checked="" type="checkbox"/> Update the release description.
Version	2023.01.05
Filename	Pooh.iso
Directory	/home/pooh/Pooh-Nux
Volume ID	Pooh.0 2023.01.05 LTS
Release	Custom Focal Fossa
Disk Name	Pooh.0 2023.01.05 LTS "Custom Focal Fossa"
Release URL	http://www.ubuntu.com/getubuntu/release

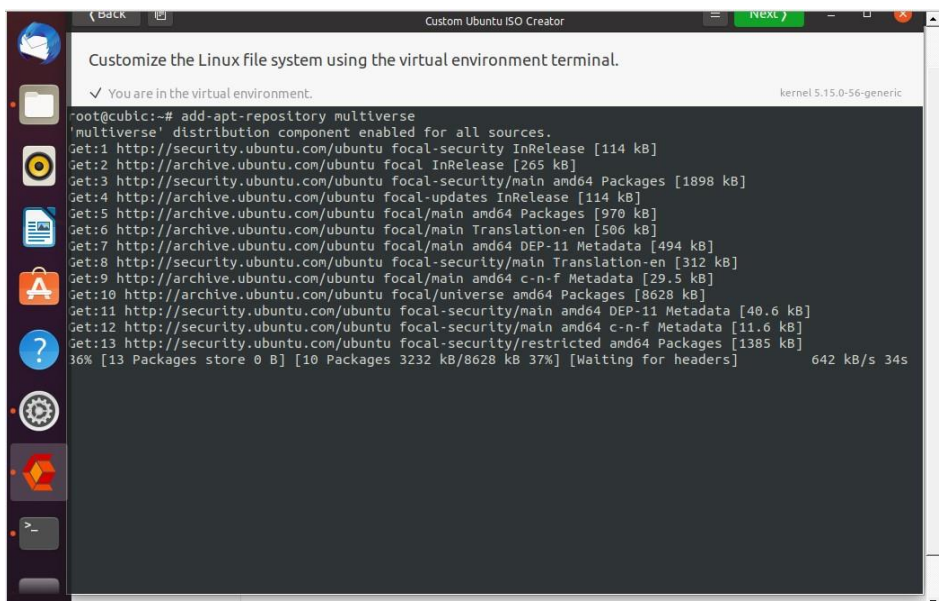
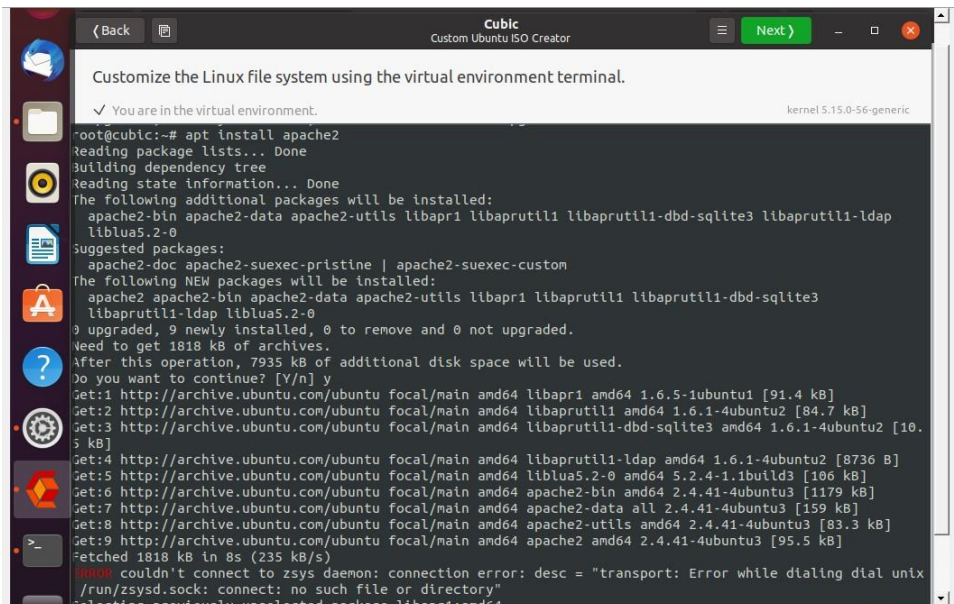
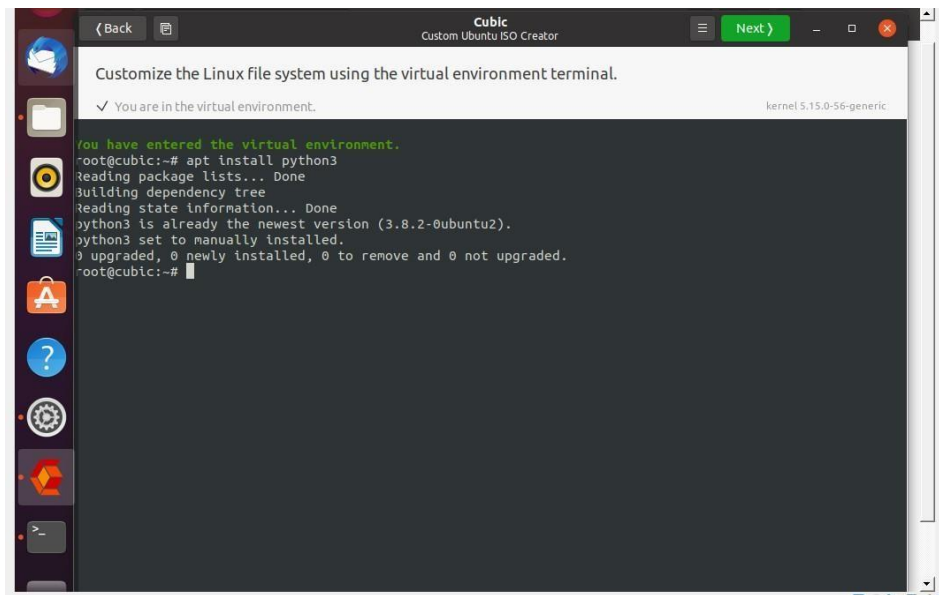
Activities Cubic Jan 5 03:53

Custom Ubuntu ISO Creator

Customize

Extracting the original disk...

- ✓ Analyze the original disk image.
Success.
- Copy important files from the original disk image.
14%
- Extract the compressed Linux file system.
0%



Customize the Linux file system using the virtual environment terminal.

✓ You are in the virtual environment. kernel 5.15.0-56-generic

```
root@cubic:~# apt install apache2
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  apache2-bin apache2-data apache2-utils
Suggested packages:
  apache2-doc apache2-suexec-pristine | apache2-suexec-custom
The following packages will be upgraded:
  apache2 apache2-bin apache2-data apache2-utils
4 upgraded, 0 newly installed, 0 to remove and 763 not upgraded.
Need to get 1520 kB of archives.
After this operation, 14.3 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://security.ubuntu.com/ubuntu focal-security/main amd64 apache2 amd64 2.4.41-4ubuntu3.12 [95.6 kB]
Get:2 http://security.ubuntu.com/ubuntu focal-security/main amd64 apache2-bin amd64 2.4.41-4ubuntu3.12 [181 kB]
Get:3 http://security.ubuntu.com/ubuntu focal-security/main amd64 apache2-data all 2.4.41-4ubuntu3.12 [157 kB]
Get:4 http://security.ubuntu.com/ubuntu focal-security/main amd64 apache2-utils amd64 2.4.41-4ubuntu3.12 [84.5 kB]
Fetched 1520 kB in 4s (352 kB/s)
ERROR: couldn't connect to zsys daemon: connection error: desc = "transport: Error while dialing dial unix /run/zsysd.sock: connect: no such file or directory"
(Reading database ... 188046 files and directories currently installed.)
Preparing to unpack .../apache2_2.4.41-4ubuntu3.12_amd64.deb ...
Unpacking apache2 (2.4.41-4ubuntu3.12) over (2.4.41-4ubuntu3) ...
Preparing to unpack .../apache2-bin_2.4.41-4ubuntu3.12_amd64.deb ...
Unpacking apache2-bin (2.4.41-4ubuntu3.12) over (2.4.41-4ubuntu3) ...
```

Customize the Linux file system using the virtual environment terminal.

✓ You are in the virtual environment. kernel 5.15.0-56-generic

```
root@cubic:~# apt install dia
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  dia-common dia-shapes gsfonts gsfonts-x11 libart-2.0-2
The following NEW packages will be installed:
  dia dia-common dia-shapes gsfonts gsfonts-x11 libart-2.0-2
9 upgraded, 6 newly installed, 0 to remove and 763 not upgraded.
Need to get 11.5 MB of archives.
After this operation, 35.0 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://archive.ubuntu.com/ubuntu focal/universe amd64 libart-2.0-2 amd64 2.3.21-4 [51.8 kB]
Get:2 http://archive.ubuntu.com/ubuntu focal/universe amd64 dia-common all 0.97.3+git20160930-9 [7159 kB]
Get:3 http://archive.ubuntu.com/ubuntu focal/universe amd64 dia amd64 0.97.3+git20160930-9 [902 kB]
Get:4 http://archive.ubuntu.com/ubuntu focal/universe amd64 dia-shapes all 0.6.0-3 [215 kB]
Get:5 http://archive.ubuntu.com/ubuntu focal/universe amd64 gsfonts all 1:8.11+urwcyr1.0.7-pre44-4.4 [3129 kB]
Get:6 http://archive.ubuntu.com/ubuntu focal/universe amd64 gsfonts-x11 all 0.27 [7120 B]
Fetched 11.5 MB in 39s (293 kB/s)
ERROR: couldn't connect to zsys daemon: connection error: desc = "transport: Error while dialing dial unix /run/zsysd.sock: connect: no such file or directory"
Selecting previously unselected package libart-2.0-2:amd64.
(Reading database ... 188046 files and directories currently installed.)
Preparing to unpack .../0-libart-2.0-2_2.3.21-4_amd64.deb ...
Unpacking libart-2.0-2:amd64 (2.3.21-4) ...
Selecting previously unselected package dia-common.
Preparing to unpack .../1-dia-common_0.97.3+git20160930-9_all.deb ...
Unpacking dia-common (0.97.3+git20160930-9) ...
Selecting previously unselected package dia.
Preparing to unpack .../2-dia_0.97.3+git20160930-9_amd64.deb ...
Unpacking dia (0.97.3+git20160930-9) ...
Selecting previously unselected package dia-shapes.
Preparing to unpack .../3-dia-shapes_0.6.0-3_all.deb ...
Unpacking dia-shapes (0.6.0-3) ...
Selecting previously unselected package gsfonts.
Preparing to unpack .../4-gsfonts_1:8.11+urwcyr1.0.7-pre44-4.4_all.deb ...
Unpacking gsfonts (1:8.11+urwcyr1.0.7-pre44-4.4) ...
Selecting previously unselected package gsfonts-x11.
Preparing to unpack .../5-gsfonts-x11_0.27_all.deb ...
Unpacking gsfonts-x11 (0.27) ...
```

```
Custom Ubuntu ISO Creator

Customize the Linux file system using the virtual environment terminal.

✓ You are in the virtual environment. kernel 5.15.0-56-generic

/run/zyssd.sock: connect: no such file or directory"
root@cubic:~# apt install vlc
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  1965-va-driver intel-media-va-driver liba52-0.7.4 libaacs0 libaom0 libaribb24-0 libass9 libavcodec58
  libavformat58 libavutil56 libbasicusageenvironment1 libbdplus0 libbluray2 libcdcb2 libchromaprint1
  libcodecs2-0.9 libdc1394-22 libdca0 libdouble-conversion3 libdrm-amdgpu1 libdvbpsi10 libdvnav4
  libdvread7 libebml4v5 libfaad2 libgme0 libgroupsock8 libgsm1 libigmpmm11 libixml10 libkate1
  liblivemedia77 libllvm12 libmad0 libmatroska6v5 libmpcdec6 libmpeg2-4 libmysofa1 libopenmpt-modplug1
  libopenmpt0 libpcr2-16-0 libplacebo7 libpostproc55 libprotobuf-lite17 libproxy-tools libqt5core5a
  libqt5dbus5 libqt5gui5 libqt5network5 libqt5svg5 libqt5widgets5 libqt5xml5 libqt5xmlpatterns5 libresid-builder0c2a
  libSDL-image1.2 libSDL1.2debian libshine3 libsidplay2 libsnappy1v5 libsndio7.0 libspatialaudio0
  libssh-gcrypt-4 libssh2-1 libswresample3 libswscale5 libunpnp13 libusageenvironment3
  libva-drm2 libva-wayland2 libva-x11-2 libva2 libvdpau1 libvlc-bin libvlc5 libvlccore9 libwebpnmux3
  libx264-155 libx265-179 libxcb-xinerama0 libxcb-xinput0 libxvidcore4 libzvb1-common libzvb10
  mesa-va-drivers mesa-vdpau-drivers ocl-icd-libopencl1 qt5-gtk-platformtheme qttranslations5-l10n
  va-driver-all vdpau-driver-all vlc-bin vlc-data vlc-l10n vlc-plugin-base vlc-plugin-notify
  vlc-plugin-qt vlc-plugin-samba vlc-plugin-skins2 vlc-plugin-video-output vlc-plugin-video-splitter
  vlc-plugin-visualization
Suggested packages:
  1965-va-driver-shaders libbluray-bdj libdvdcss2 qt5-image-formats-plugins qtwayland5 sndiod
  opencl-icd libvdpau-va-gli nvidia-vdpau-driver nvidia-legacy-340xx-vdpau-driver
  nvidia-legacy-384xx-vdpau-driver
The following NEW packages will be installed:
  1965-va-driver intel-media-va-driver liba52-0.7.4 libaacs0 libaom0 libaribb24-0 libass9 libavcodec58
  libavformat58 libavutil56 libbasicusageenvironment1 libbdplus0 libbluray2 libcdcb2 libchromaprint1
  libcodecs2-0.9 libdc1394-22 libdca0 libdouble-conversion3 libdvbpsi10 libdvnav4 libdvread7
  libebml4v5 libfaad2 libgme0 libgroupsock8 libgsm1 libigmpmm11 libixml10 libkate1 liblivemedia77
```

```
Custom Ubuntu ISO Creator

Customize the Linux file system using the virtual environment terminal.

✓ You are in the virtual environment. kernel 5.15.0-56-generic

root@cubic:~# cd /usr/share/icons/hicolor/256x256/apps
root@cubic:/usr/share/icons/hicolor/256x256/apps# mv Icon.jpeg ubuntu-logo-Icon.jpeg
root@cubic:/usr/share/icons/hicolor/256x256/apps# cd
root@cubic:~# cd /usr/share/backgrounds
root@cubic:/usr/share/backgrounds# ls
3G-Jpeg          joshua-coleman-something-yellow.jpg
focal-Fossa_MP_4096x2304_GREY.png  matt-mcnulty-nyc-2nd-ave.jpg
brad-huchteman-stone-mountain.jpg    ryan-stone-skykomish-river.jpg
contest          ubuntu-default-greyscale-wallpaper.png
warty-wallpaper_uhd.png              warty-final-ubuntu.png
root@cubic:/usr/share/backgrounds# mv BG.jpeg warty-final-ubuntu.png
root@cubic:/usr/share/backgrounds# ls
3G-Jpeg          joshua-coleman-something-yellow.jpg
focal-Fossa_MP_4096x2304_GREY.png  matt-mcnulty-nyc-2nd-ave.jpg
brad-huchteman-stone-mountain.jpg    ryan-stone-skykomish-river.jpg
contest          ubuntu-default-greyscale-wallpaper.png
warty-wallpaper_uhd.png              warty-final-ubuntu.png
root@cubic:/usr/share/backgrounds# apt install nordic-themes
Reading package lists... Done
Building dependency tree
Reading state information... Done
E: Unable to locate package nordic-themes
root@cubic:/usr/share/backgrounds# cd
root@cubic:~# apt install nordic-themes
Reading package lists... Done
Building dependency tree
Reading state information... Done
E: Unable to locate package nordic-themes
root@cubic:~# sudo snap install gtk-theme-nordic --edge
sudo: unable to resolve host cubic: Temporary failure in name resolution
(cubic:12535): Gtk-WARNING **: 03:46:50.924: Content added to the action area of a dialog using header b
```

```
Custom Ubuntu ISO Creator

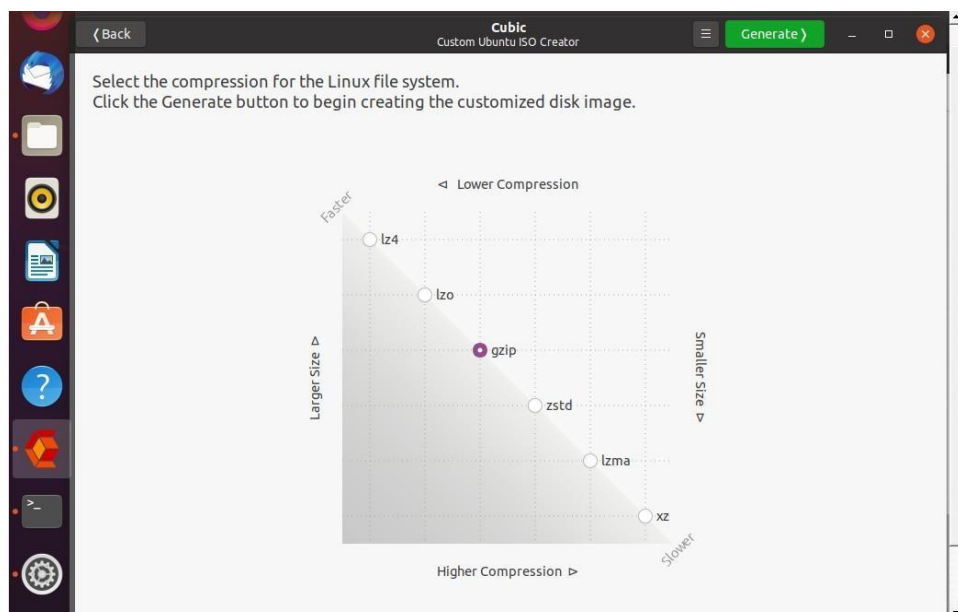
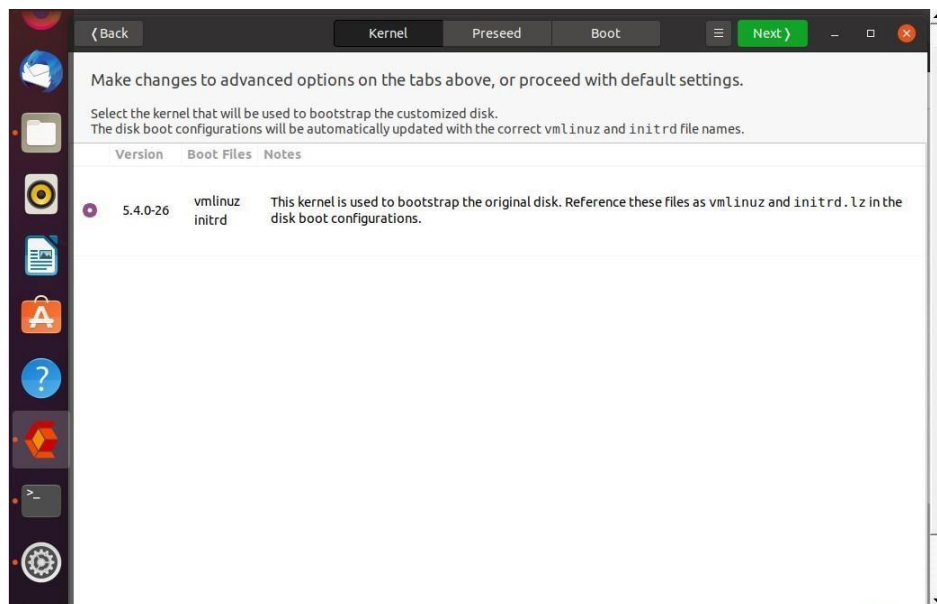
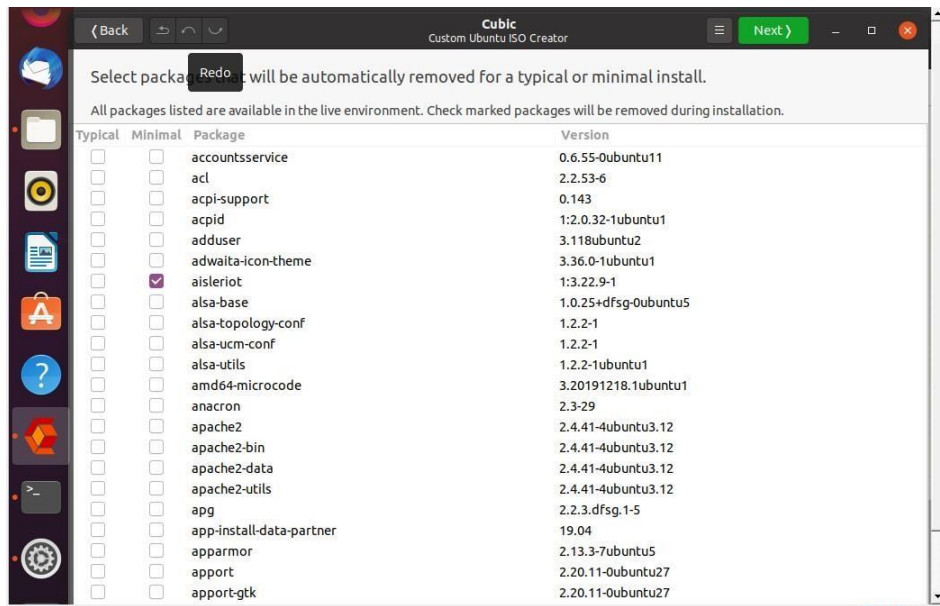
Customize the Linux file system using the virtual environment terminal.

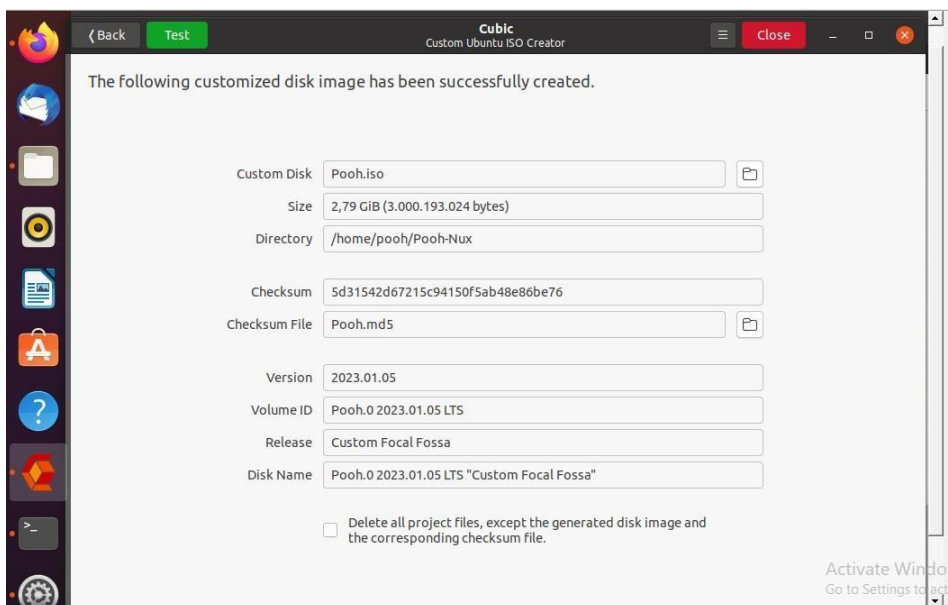
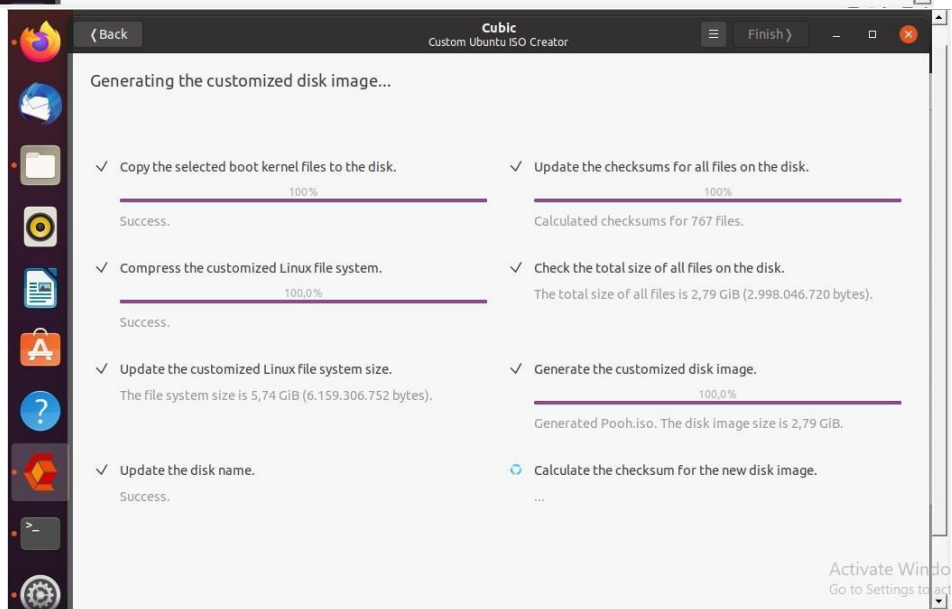
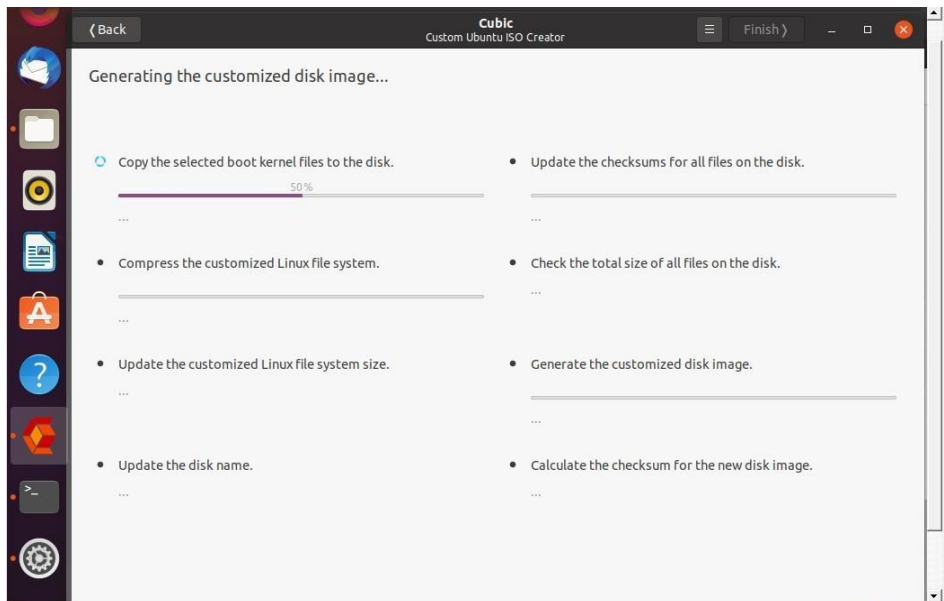
✓ You are in the virtual environment. kernel 5.15.0-56-generic

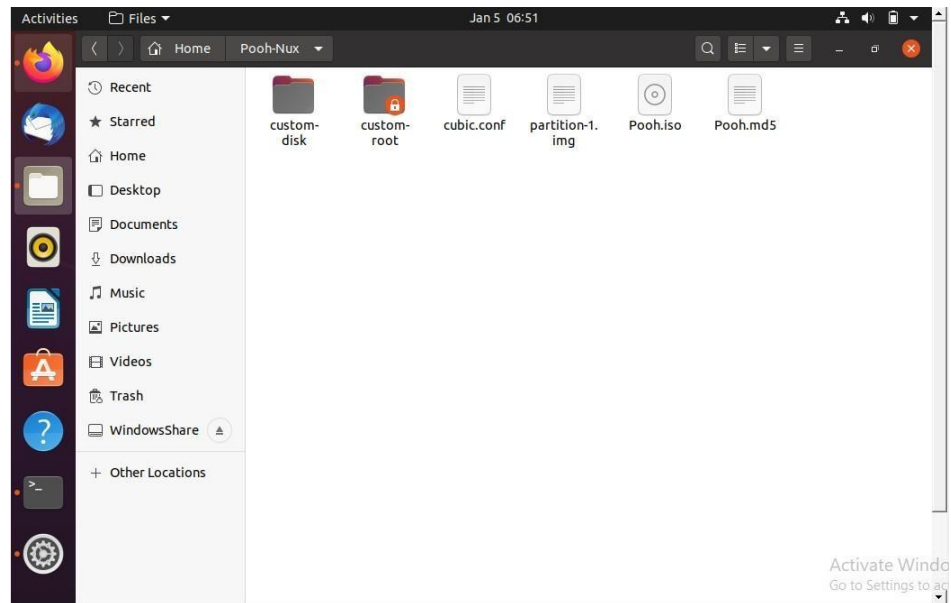
root@cubic:~# sudo add-apt-repository ppa:nordic/ppa
sudo: unable to resolve host cubic: Temporary failure in name resolution
Cannot add PPA: 'ppa:nordic/ubuntu/ppa'.
ERROR: '-nordic' user or team does not exist.
root@cubic:~# sudo add-apt-repository ppa:numix/ppa
sudo: unable to resolve host cubic: Temporary failure in name resolution
The official PPA for the Numix Project - http://numixproject.org

The PPA consists of various artwork packages from the Numix Project.
More info: https://launchpad.net/~numix+archive/ubuntu/ppa
Press [ENTER] to continue or Ctrl-c to cancel adding it.

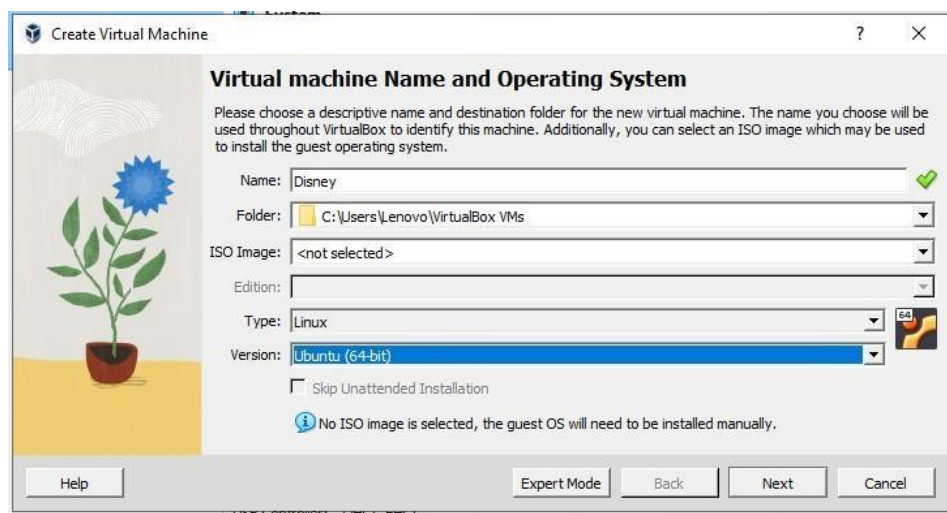
jppg: Warning: using insecure memory!
jppg: Warning: using insecure memory!
Get:1 http://ppa.launchpad.net/~numix/ppa/ubuntu focal InRelease [17.5 kB]
Hit:2 http://security.ubuntu.com/ubuntu focal-security InRelease
Hit:3 http://archive.ubuntu.com/ubuntu focal InRelease
Get:4 http://archive.ubuntu.com/ubuntu focal-updates InRelease [114 kB]
Get:5 http://ppa.launchpad.net/~numix/ppa/ubuntu focal/main amd64 Packages [792 B]
Get:6 http://ppa.launchpad.net/~numix/ppa/ubuntu focal/main Translation-en [428 B]
Get:7 http://archive.ubuntu.com/ubuntu focal-updates/main amd64 DEP-11 Metadata [275 kB]
Get:8 http://archive.ubuntu.com/ubuntu focal-updates/universe amd64 DEP-11 Metadata [408 kB]
Get:9 http://archive.ubuntu.com/ubuntu focal-updates/multiverse amd64 DEP-11 Metadata [944 B]
Fetched 816 kB in 8s (102 kB/s)
Reading package lists... Done
```







ISO yang telah berhasil di buat.



Membuat virtual machine baru.

