

**PRAKTIKUM SISTEM OPERASI
MODUL 12: REMASTERING**

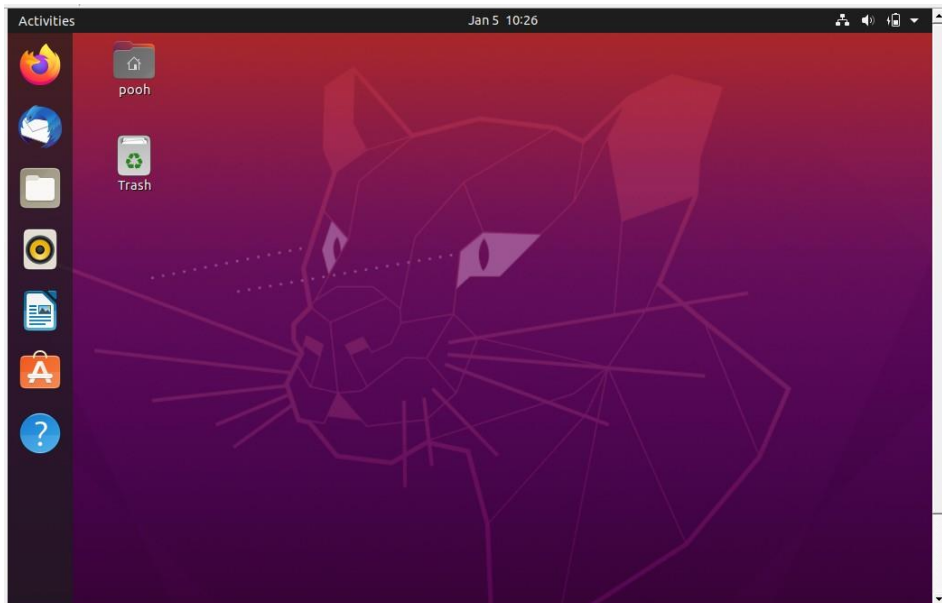


Disusun Oleh:
DWIKI REZA NOVA ALVIANTO
L200210235
KELAS E

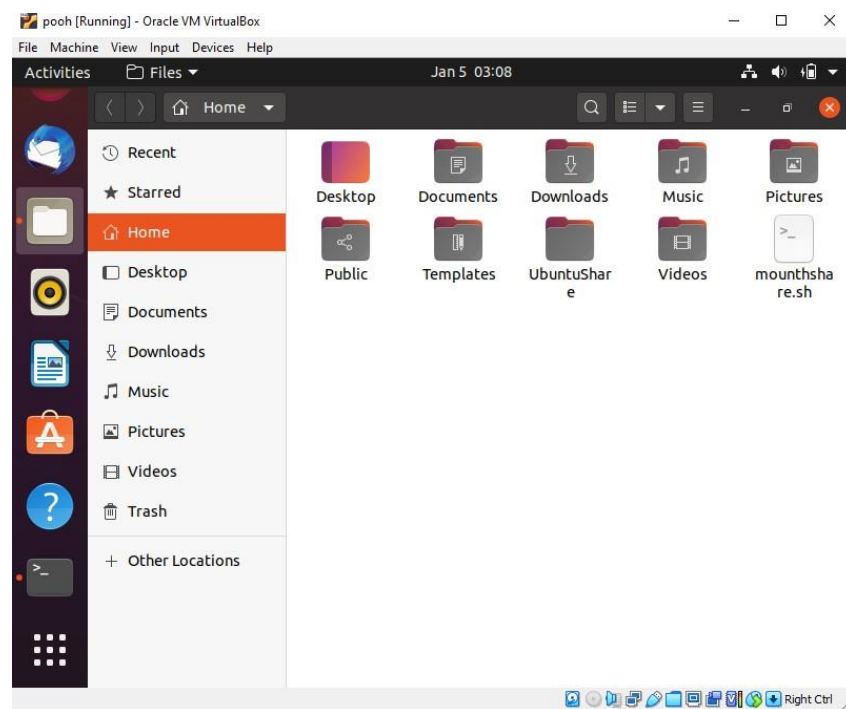
**PROGRAM STUDI TEKNIK INFORMATIKA
FAKULTAS KOMUNIKASI DAN INFORMATIKA
UNIVERSITAS MUHAMMADIYAH SURAKARTA
TAHUN 2022/2023**

BERIKUT ADALAH REMASTERING YANG DIJALANKAN:

- Berikut adalah tampilan sebelum di remastering:

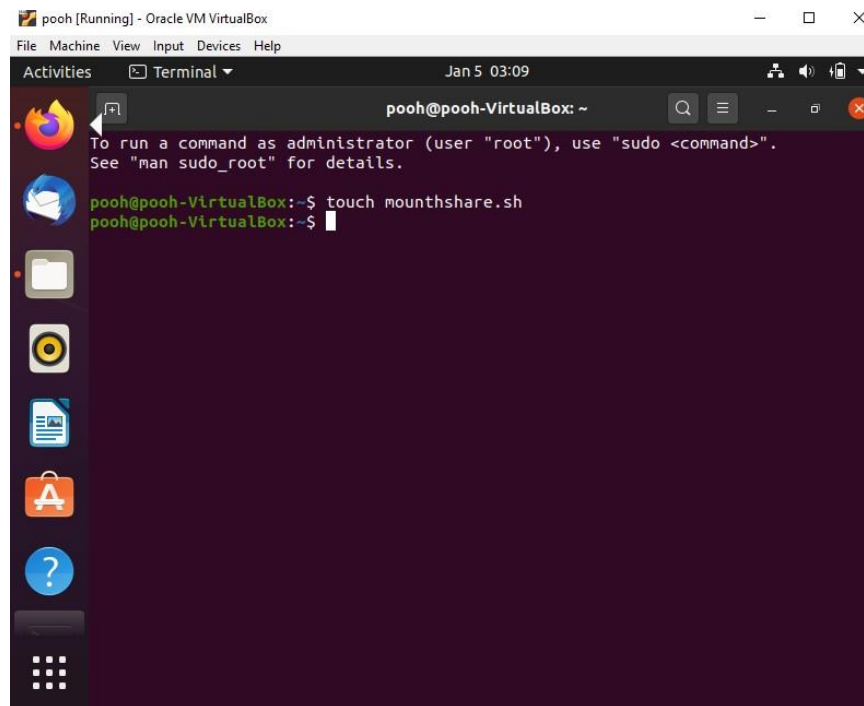


Tampilan sebelum di remastering



Tampilan sebelum di remastering

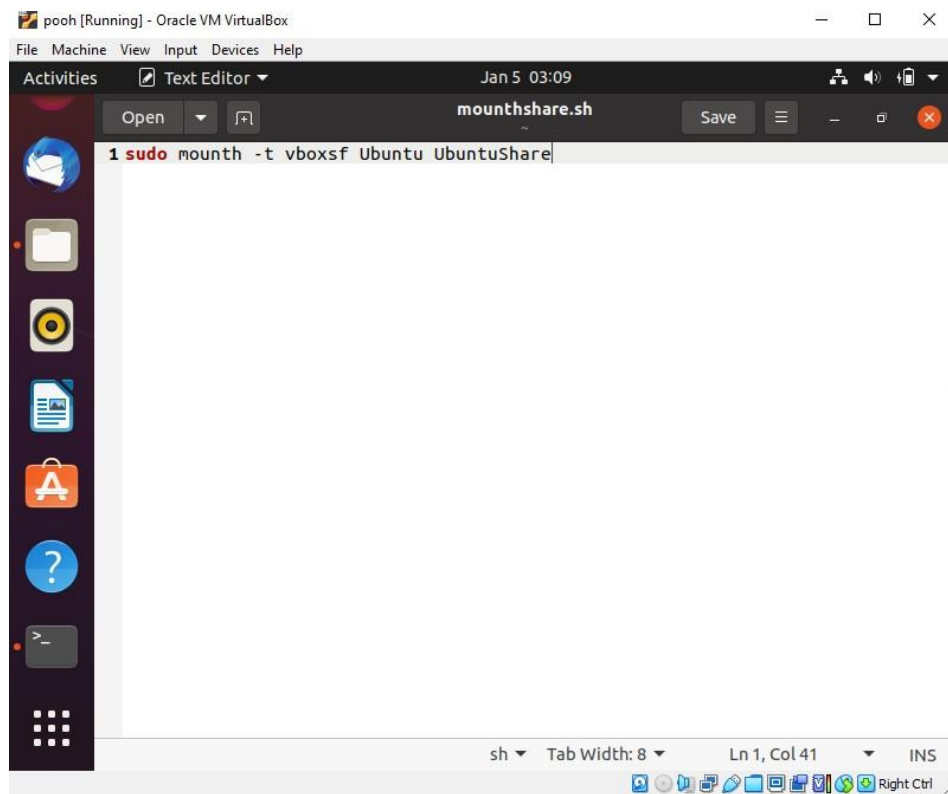
Proses penginstalan:



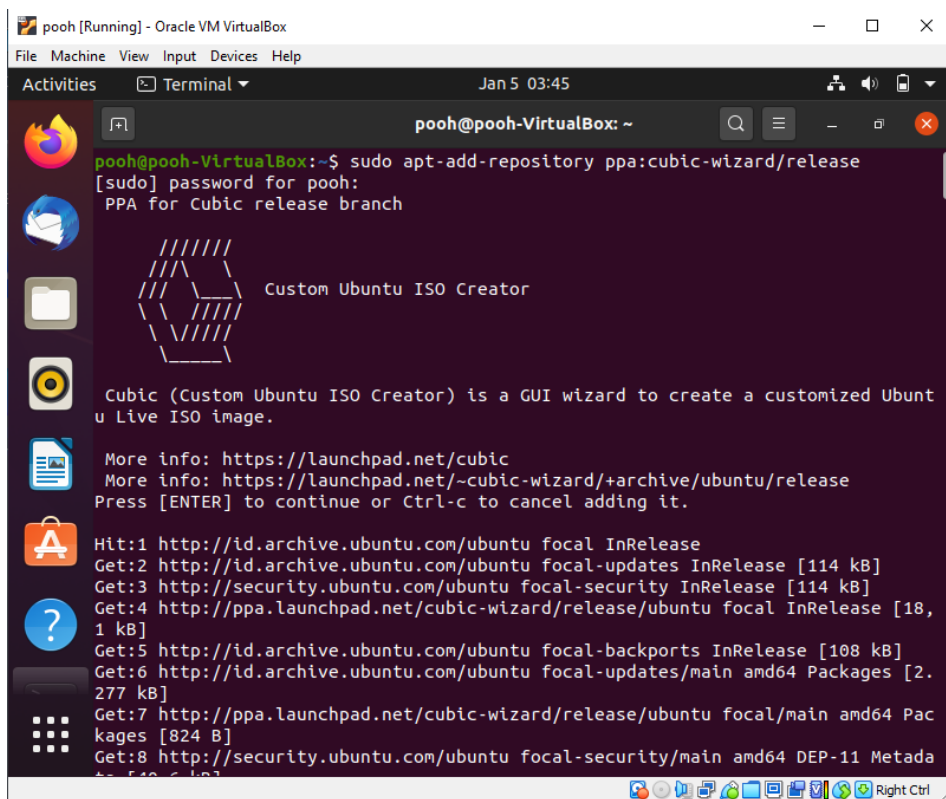
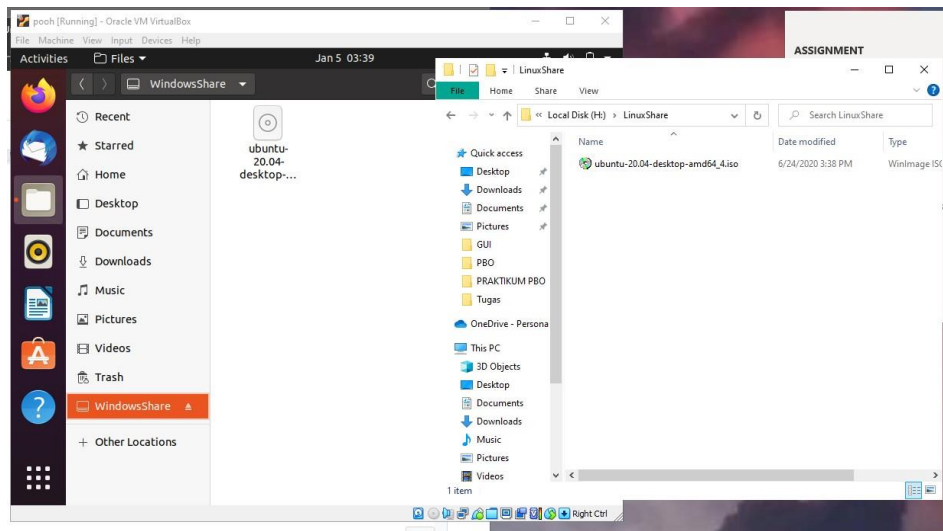
The screenshot shows a terminal window titled "pooh [Running] - Oracle VM VirtualBox". The window has a menu bar with "File", "Machine", "View", "Input", "Devices", and "Help". Below the menu bar, there is a status bar showing "Jan 5 03:09". The terminal itself has a title bar "pooh@pooh-VirtualBox: ~" and a search icon. The terminal output shows a message: "To run a command as administrator (user \"root\"), use \"sudo <command>\". See \"man sudo_root\" for details." followed by the command "pooh@pooh-VirtualBox:~\$ touch mounthshare.sh" and the prompt "pooh@pooh-VirtualBox:~\$".

```
pooh@pooh-VirtualBox: ~  
To run a command as administrator (user "root"), use "sudo <command>".  
See "man sudo_root" for details.  
pooh@pooh-VirtualBox:~$ touch mounthshare.sh  
pooh@pooh-VirtualBox:~$
```

Touch mounthshare.sh di gunakan untuk mengetik perintah untuk membuat file baru.



```
pooh@pooh-VirtualBox:~$ ./mountshare.sh
[sudo] password for pooh:
pooh@pooh-VirtualBox:~$
```



Untuk menginstal repository cubic.

A screenshot of a Virtual Machine running Ubuntu, accessed via Oracle VM VirtualBox. The terminal window shows the user 'pooh' at the prompt 'pooh@pooh-VirtualBox: ~'. The user runs 'sudo apt update', which updates package lists from various sources like archive.ubuntu.com and security.ubuntu.com. Then, they run 'sudo apt install cubic', which lists 622 packages that can be upgraded and proceeds to install 'cubic'. A long list of additional packages to be installed is shown, including binutils, gcc, g++-9, libblas3, and many others. The window title bar indicates it's a 'pooh [Running] - Oracle VM VirtualBox' session. The top menu bar includes File, Machine, View, Input, Devices, and Help. The bottom status bar shows system icons and a 'Right Ctrl' key indicator.

```
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 (2.13.1-2ubuntu2) ...
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 b
ars

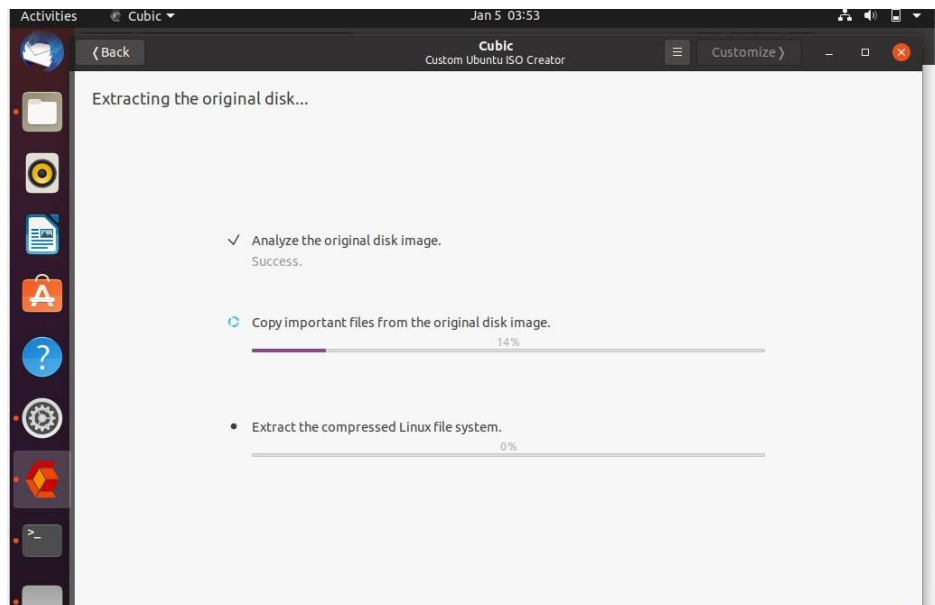
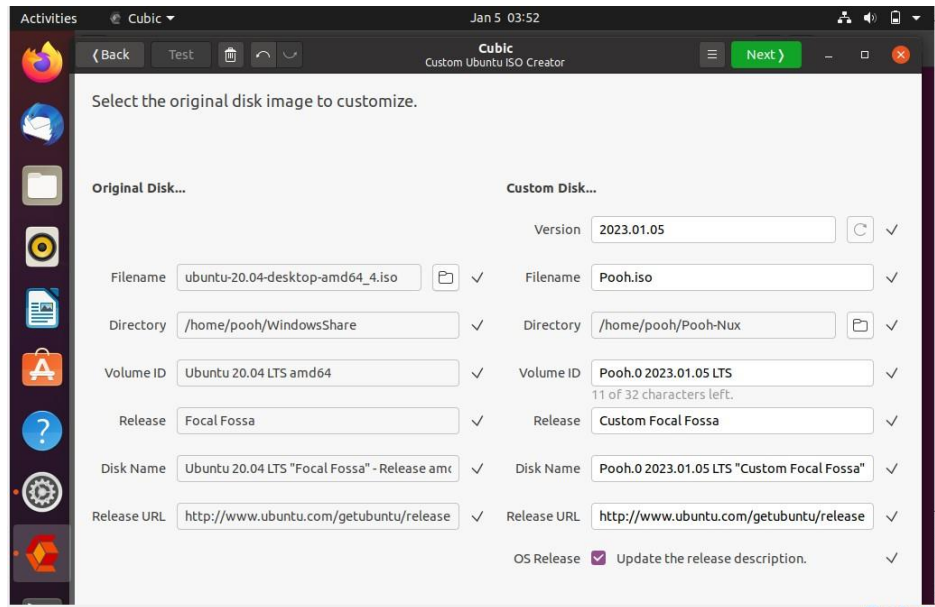
(cubic:12535): Gtk-WARNING **: 03:48:50.663: Content added to the action area of a dialog using header b
ars

(cubic:12535): Gtk-WARNING **: 03:48:50.785: Content added to the action area of a dialog using header b
ars

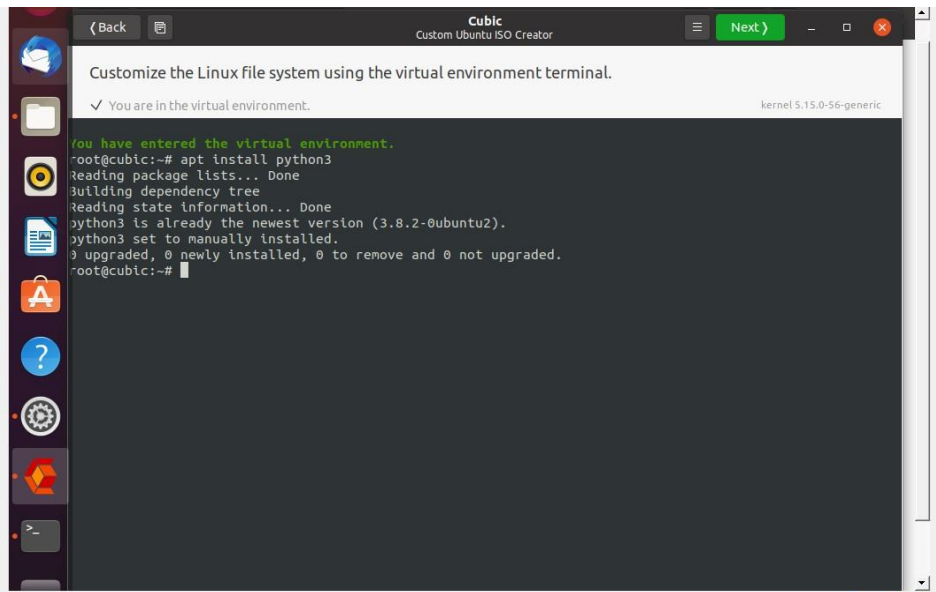
(cubic:12535): Gtk-WARNING **: 03:48:50.786: Content added to the action area of a dialog using header b
ars

(cubic:12535): Gtk-WARNING **: 03:48:50.923: Content added to the action area of a dialog using header b
ars

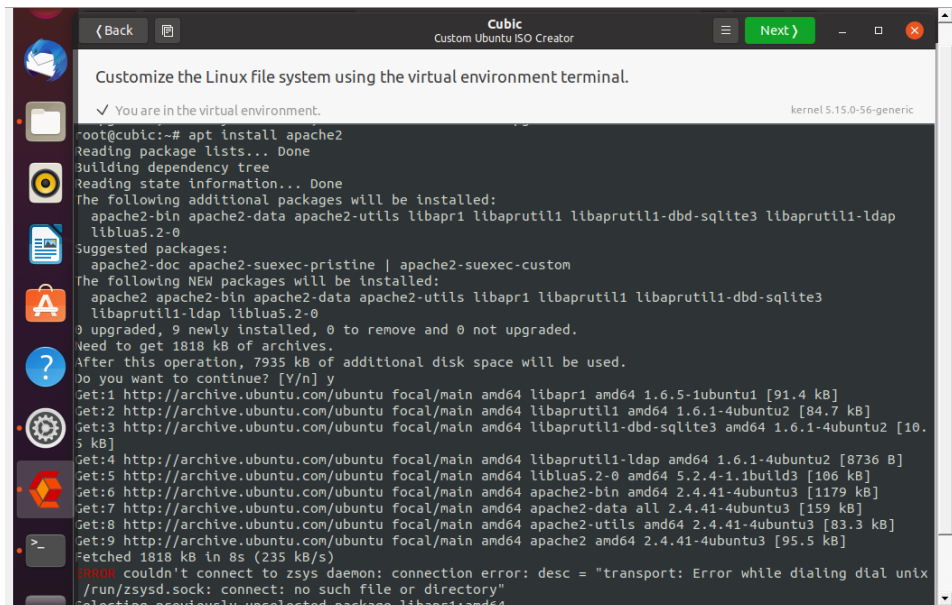
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ars
```



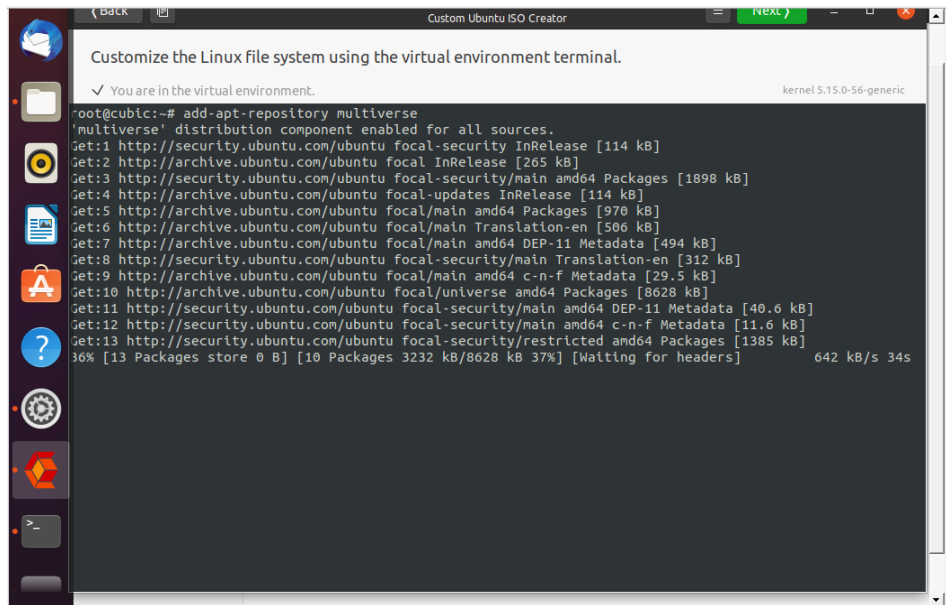
Install aplikasi



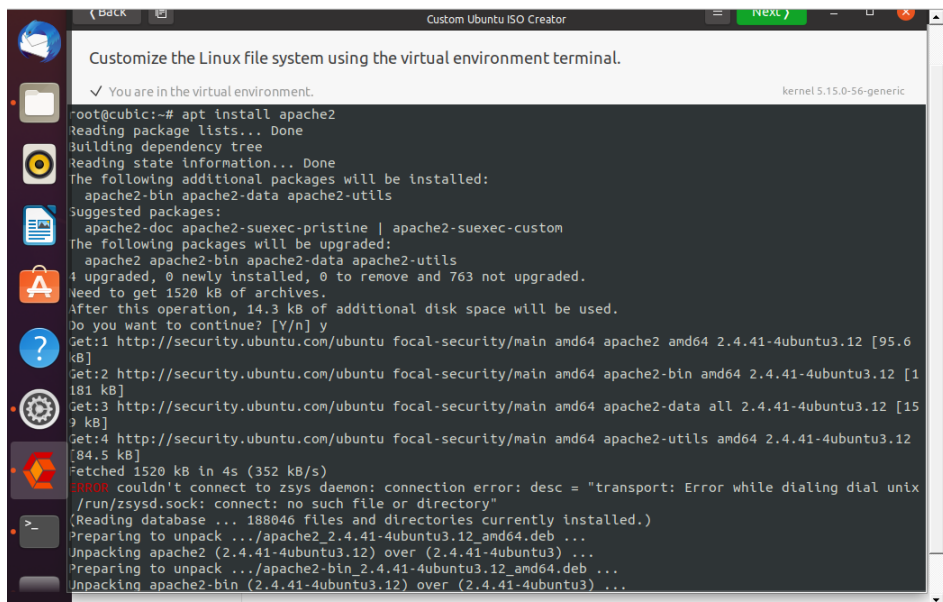
Install aplikasi



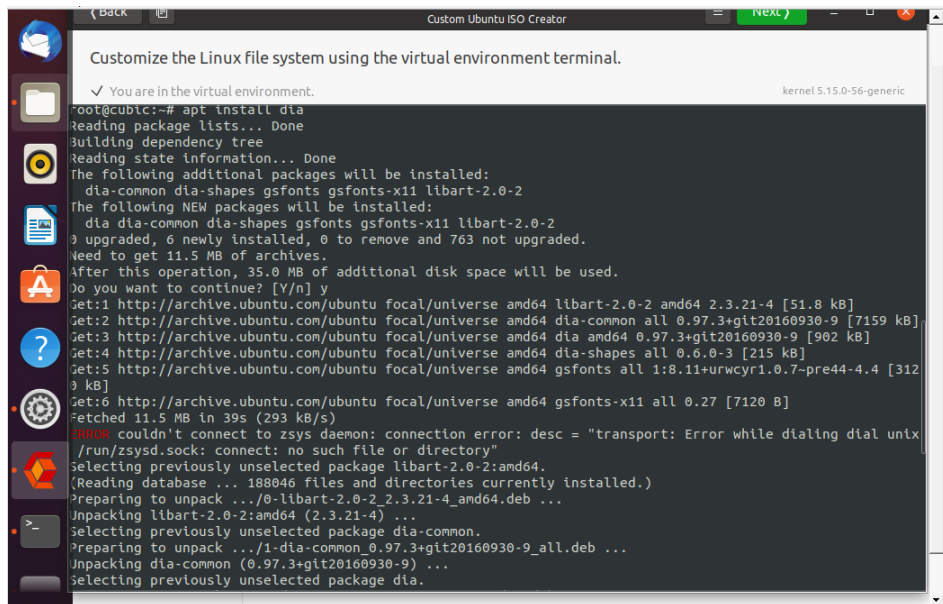
Install aplikasi



Untuk mengaktifkan repository multiverse



Install aplikasi

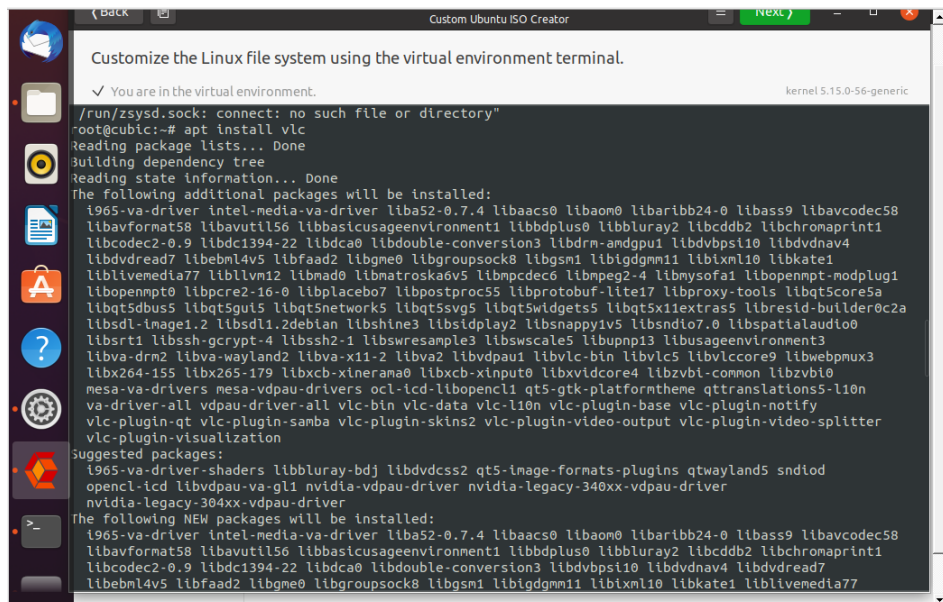


Customize the Linux file system using the virtual environment terminal.

✓ 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 gsfonst gsfonst-x11 libart-2.0-2
The following NEW packages will be installed:
  dia dia-common dia-shapes gsfonst gsfonst-x11 libart-2.0-2
3 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 gsfonst all 1:8.11+urwcyr1.0.7-pre44-4.4 [312
3 kB]
Get:6 http://archive.ubuntu.com/ubuntu focal/universe amd64 gsfonst-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.
```

Install aplikasi

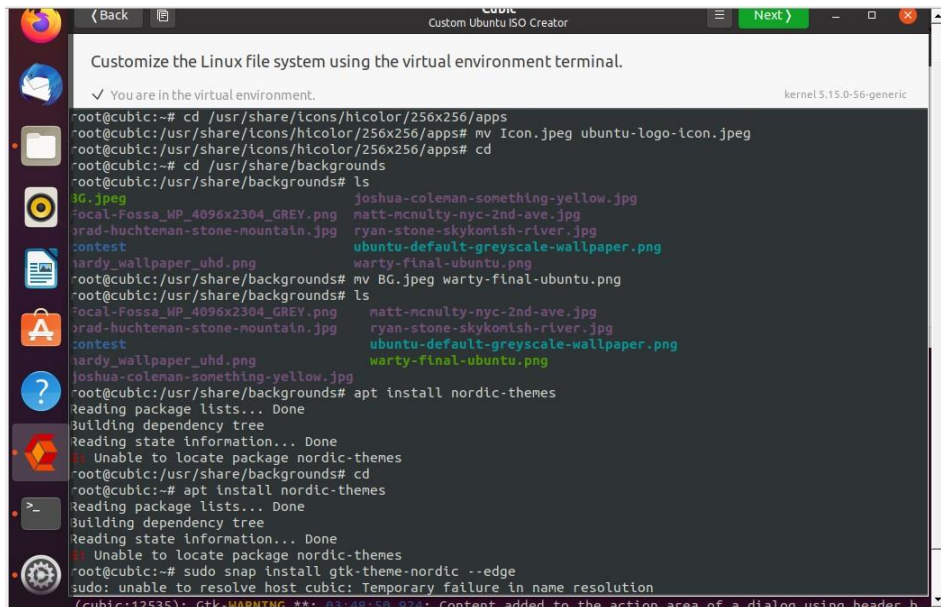


Customize the Linux file system using the virtual environment terminal.

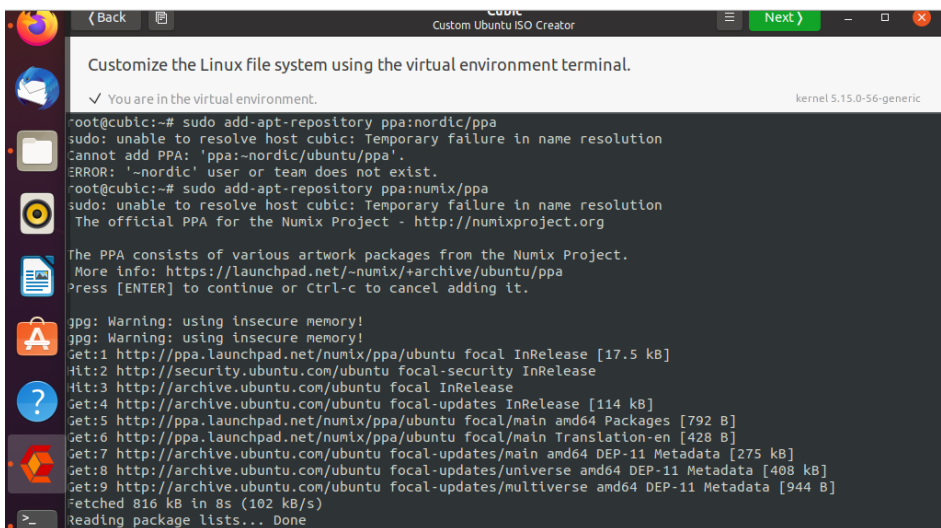
✓ You are in the virtual environment. kernel 5.15.0-56-generic

```
/run/zsysd.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:
  i965-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 libigmpmm1 libixml10 libkate1
liblivesmedia77 liblvm12 libmad0 libmatroska6v5 libmpcdec6 libmpeg2-4 libmysofa1 libopenmpt-modplug1
libopenmpt0 libpcre2-16-0 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
libssh1 libssh-gcrypt-4 libssh2-1 libswresample3 libswscale5 libupnp3 libusageenvironment3
libva-drm2 libva-wayland2 libva-x11-2 libva2 libvdpau1 libvlc-bin libvlc5 libvlccore9 libwebpnmux3
libx264-155 libx265-179 libxcb-xinerama0 libxcb-xinput0 libxvidcore4 libzvt-common libzvt0
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:
  i965-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:
  i965-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 libigmpmm1 libixml10 libkate1 liblivesmedia77
```

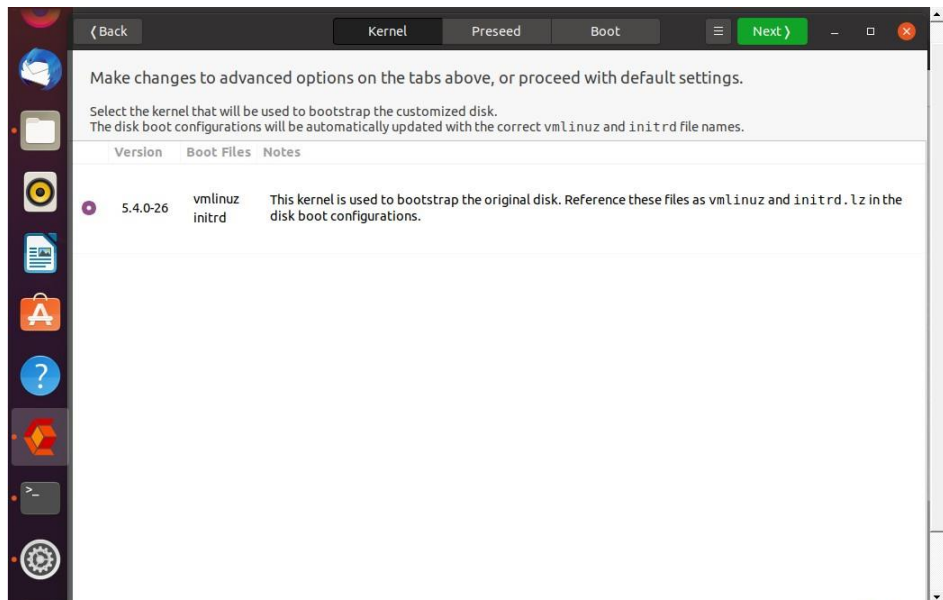
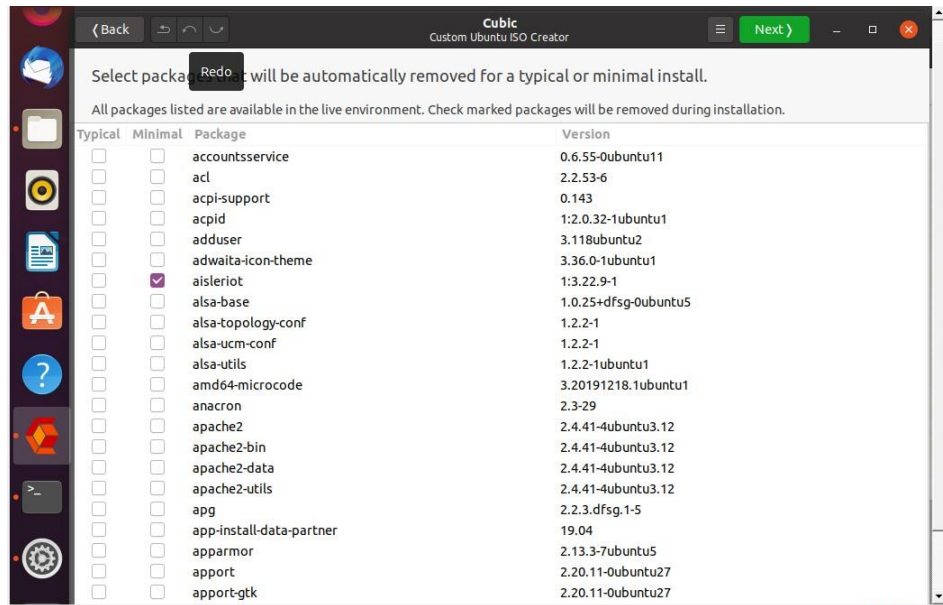
Install aplikasi

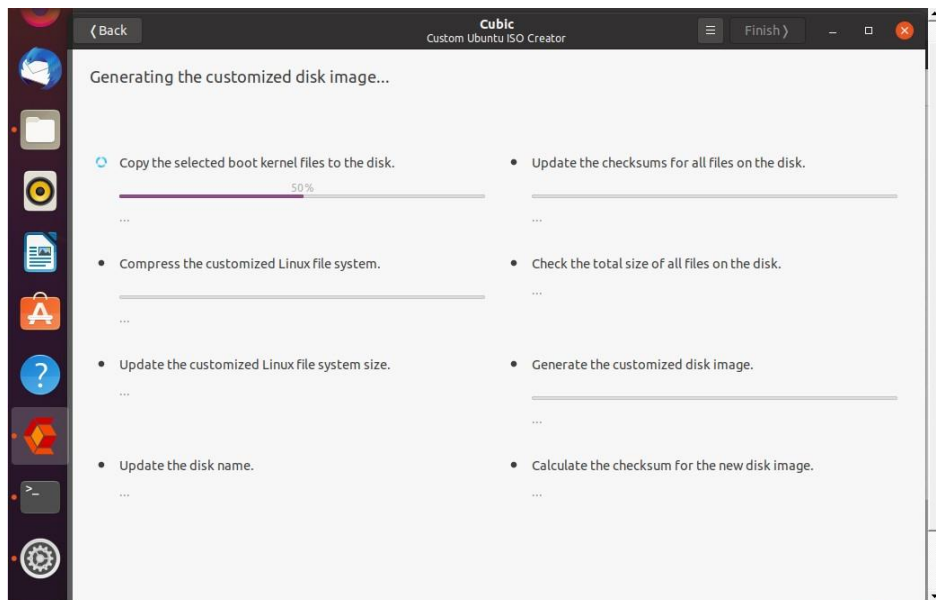
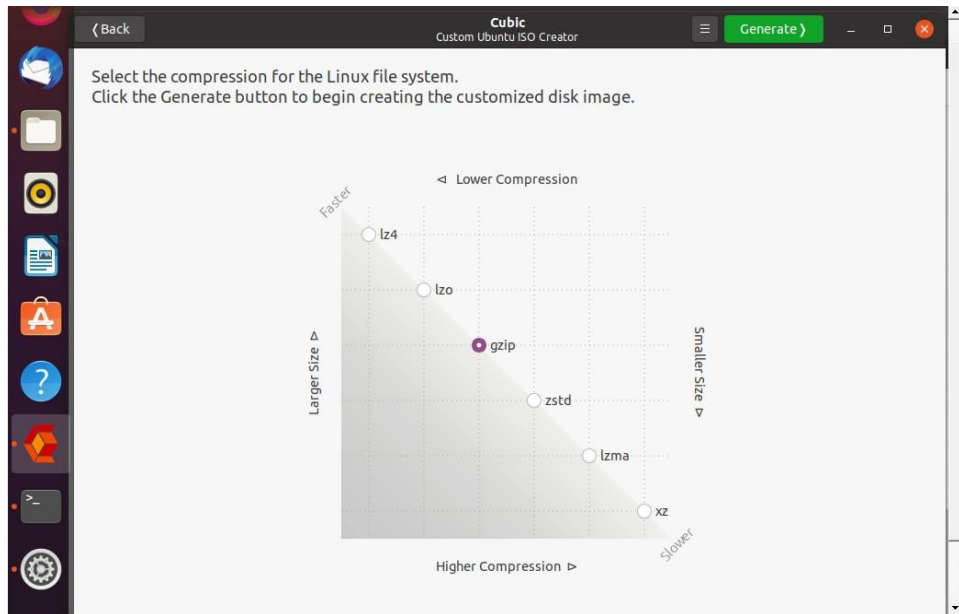


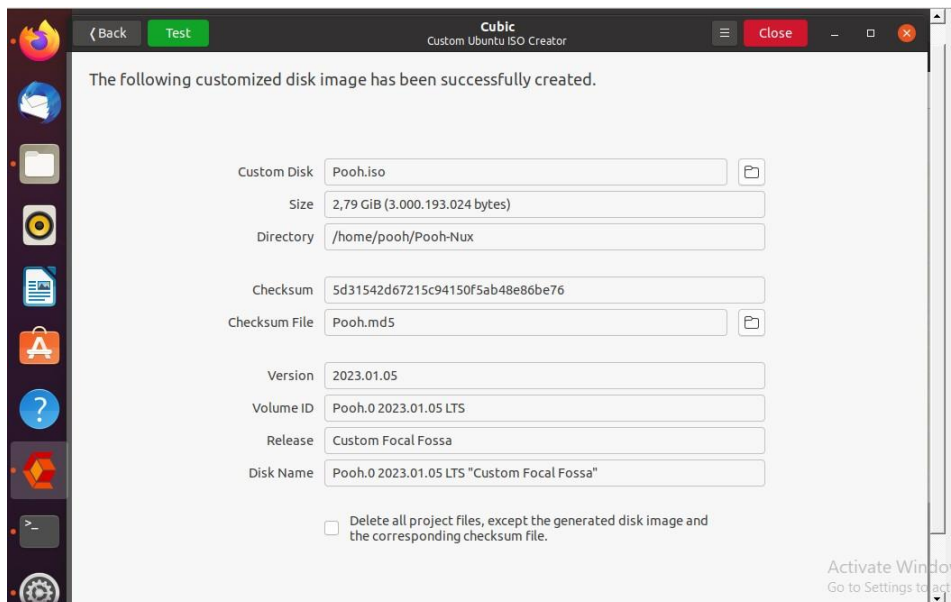
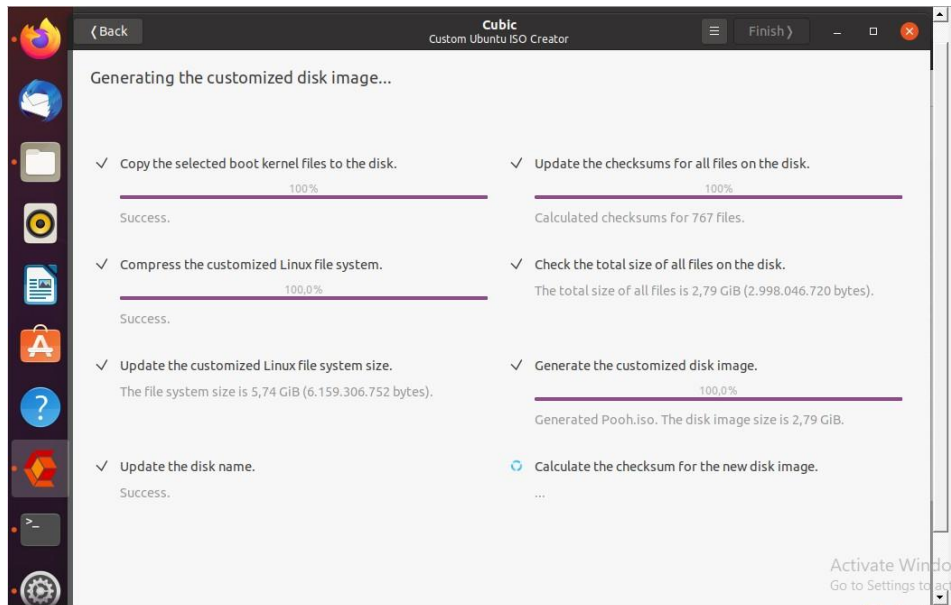
Mengubah icon

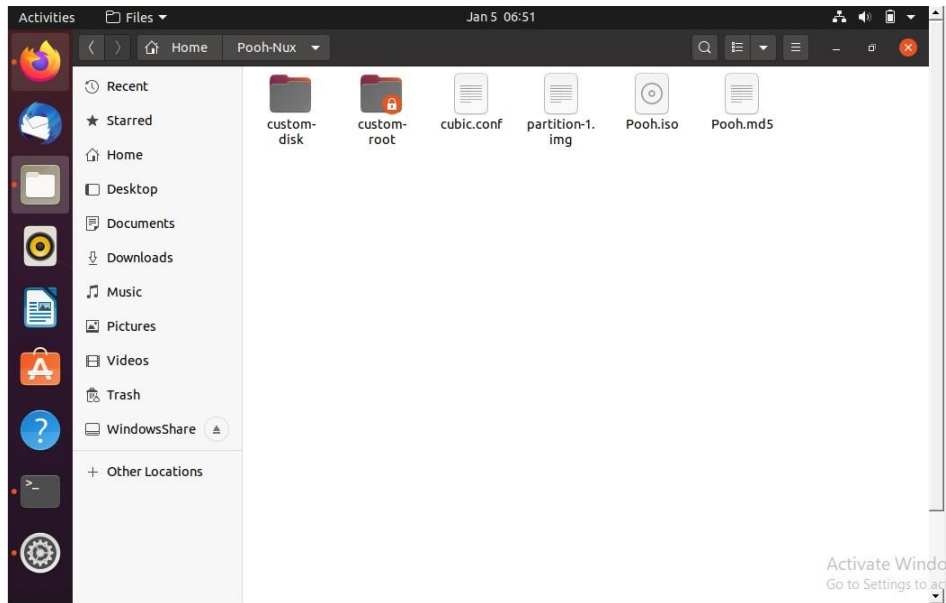


Mengganti tema dan wallpaper

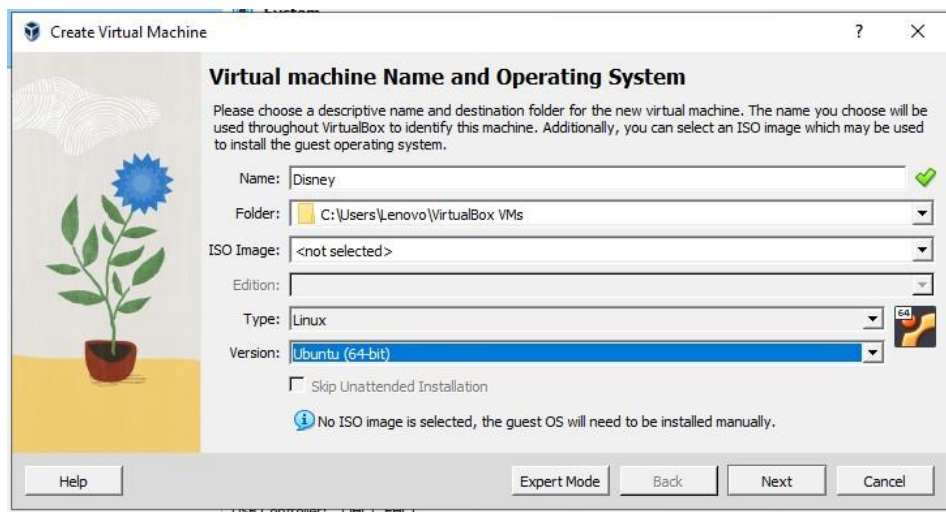




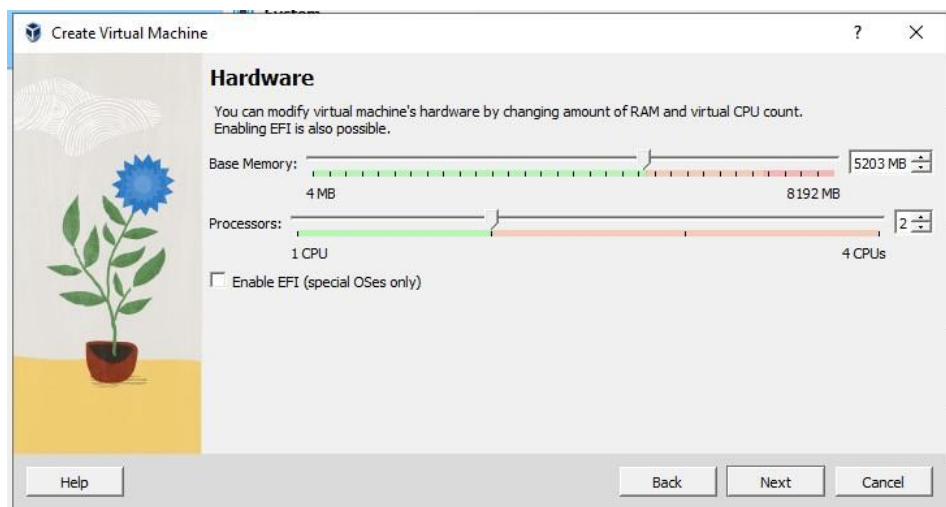




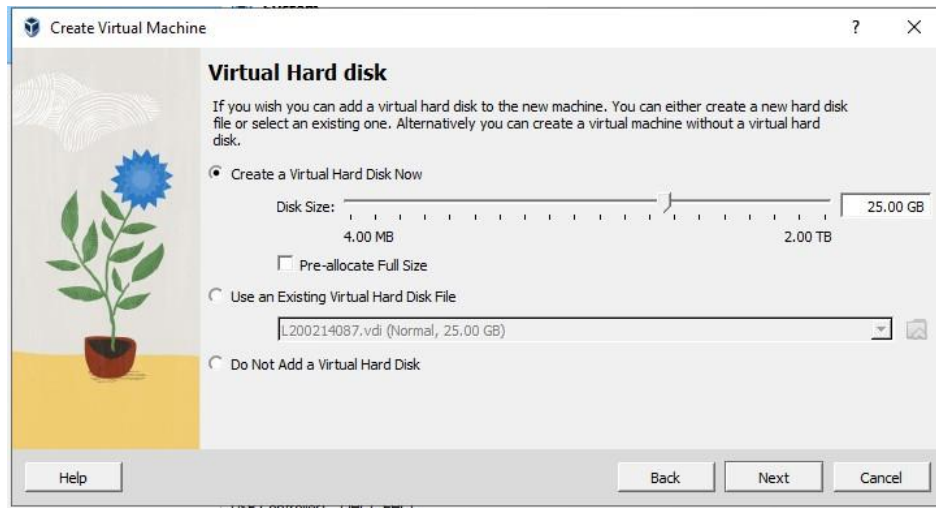
ISO yang telah berhasil di buat.



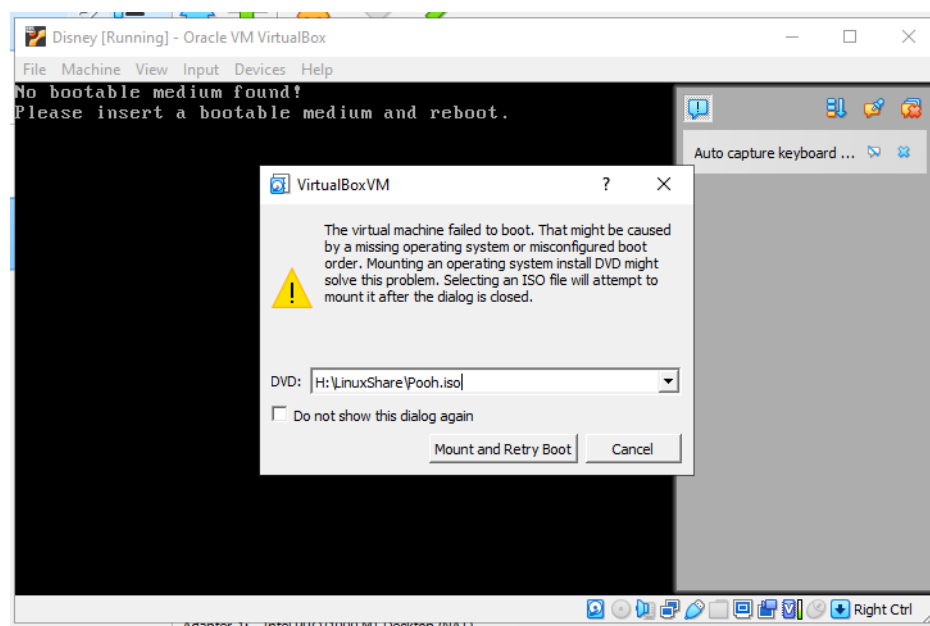
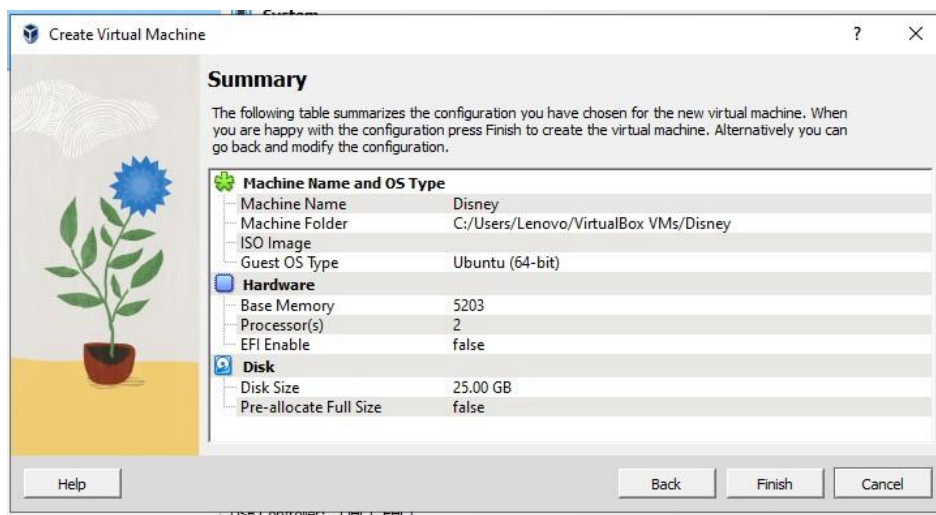
Membuat virtual machine baru.



Menggunakan base memory 5203 MB dan processors 2.



Menggunakan Virtual hard disk 25.00 GB.



Tampilan setelah pengaplyan:

