

LAPORAN PRAKTIKUM
MATA KULIAH PRAKTIKUM SISTEM OPERASI
MODUL 12 REMASTERING LINUX



Disusun Oleh :
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Laporan Praktikum Modul 12

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| NIM : L200210249 Nama : Afifah Nur Nabila Dosen Pengampu : Heru Setiya Nugraha, S.T, M.Kom Tanggal Praktikum : 3 Januari 2023 | Nilai praktek : Tanda tangan : |
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LANGKAH KERJA

1. Melakukan instalasi Cubic

- Buka terminal pada ubuntu, ketik `$sudo apt-add-repository ppa:cubic-wizard/release`

```
afifah@afifah-VirtualBox:~$ sudo apt-add-repository ppa:cubic-wizard/release
Repository: 'deb https://ppa.launchpadcontent.net/cubic-wizard/release/ubuntu/
jammy main'
Description:
PPA for Cubic release branch

      //      //
     //      //
    //      //
   //      //
  //      //
 //      //
//      //
Custom Ubuntu ISO Creator

Cubic (Custom Ubuntu ISO Creator) is a GUI wizard to create a customized Ubuntu Live ISO image.

More info: https://launchpad.net/cubic
More info: https://launchpad.net/~cubic-wizard/+archive/ubuntu/release
Adding repository.
Press [ENTER] to continue or Ctrl-c to cancel.
Found existing deb entry in /etc/apt/sources.list.d/cubic-wizard-ubuntu-release-jammy.list
Adding deb entry to /etc/apt/sources.list.d/cubic-wizard-ubuntu-release-jammy.list
Found existing deb-src entry in /etc/apt/sources.list.d/cubic-wizard-ubuntu-release-jammy.list
```

- Ketik `$sudo apt update`

```
afifah@afifah-VirtualBox:~$ sudo apt update
Hit:1 http://id.archive.ubuntu.com/ubuntu jammy InRelease
Hit:2 http://id.archive.ubuntu.com/ubuntu jammy-updates InRelease
Hit:3 http://id.archive.ubuntu.com/ubuntu jammy-backports InRelease
Hit:4 https://ppa.launchpadcontent.net/cubic-wizard/release/ubuntu jammy InRelease
Hit:5 http://security.ubuntu.com/ubuntu jammy-security InRelease
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
235 packages can be upgraded. Run 'apt list --upgradable' to see them.
afifah@afifah-VirtualBox:~$
```

- c. Ketik `$sudo apt -y install cubic`

```
afifah@afifah-VirtualBox:~$ sudo apt -y install cubic
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
cubic is already the newest version (2022.12-74-release-202212012321~ubuntu22.04.1).
The following packages were automatically installed and are no longer required:
  blt fonts-lyx freeglut3 libafflib0v5 libbfio1 libboost1.74-dev
  libreoffice-ogltrans libtk8.6 tk8.6-blt2.5
Use 'sudo apt autoremove' to remove them.
Suggested packages:
  libboost1.74-doc libboost-atomic1.74-dev libboost-chrono1.74-dev
  libboost-container1.74-dev libboost-context1.74-dev
  libboost-contract1.74-dev libboost-coroutine1.74-dev
  libboost-date-time1.74-dev libboost-exception1.74-dev
  libboost-fiber1.74-dev libboost-filesystem1.74-dev libboost-graph1.74-dev
  libboost-graph-parallel1.74-dev libboost-iostreams1.74-dev
  libboost-locale1.74-dev libboost-log1.74-dev libboost-math1.74-dev
  libboost-mpi1.74-dev libboost-mpi-python1.74-dev libboost-numpy1.74-dev
  libboost-program-options1.74-dev libboost-python1.74-dev
  libboost-random1.74-dev libboost-regex1.74-dev
  libboost-serialization1.74-dev libboost-stacktrace1.74-dev
  libboost-system1.74-dev libboost-test1.74-dev libboost-thread1.74-dev
  libboost-timer1.74-dev libboost-type-erasure1.74-dev libboost-wave1.74-dev
  libboost1.74-tools-dev libmpfrc++-dev libntl-dev libboost-nowide1.74-dev
The following packages will be upgraded:
```

2. Siapkan file ISO Linux Ubuntu yang digunakan untuk remastering

Link download : <https://ubuntu.com/download/desktop>

3. Menjalankan Cubic

- a. Buka aplikasi Cubic yang telah di-install sebelumnya



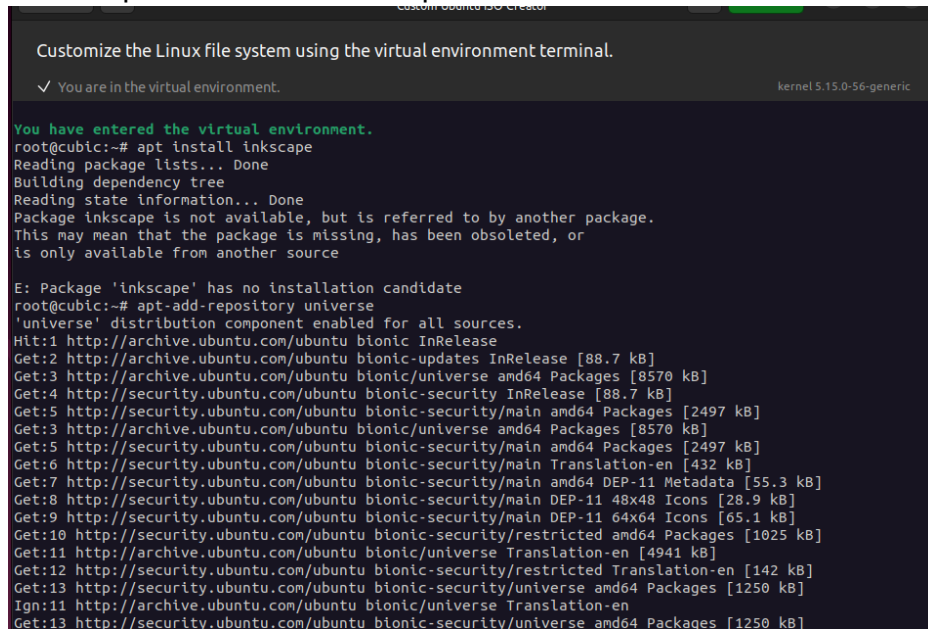
- b. Klik lanjutkan

- c. Masukkan file Ubuntu yang original untuk diremastering
- d. Melakukan kustomisasi sesuai dengan kemauan Anda di bagian kanan custom disk

- e. Tunggu proses

f. Masuk ke virtual environment, Anda dapat menambahkan atau mengurangi aplikasi di Linux

- Untuk aplikasi yang saya tambahkan adalah **Inkscape**
Ketik `$apt install inkscape`



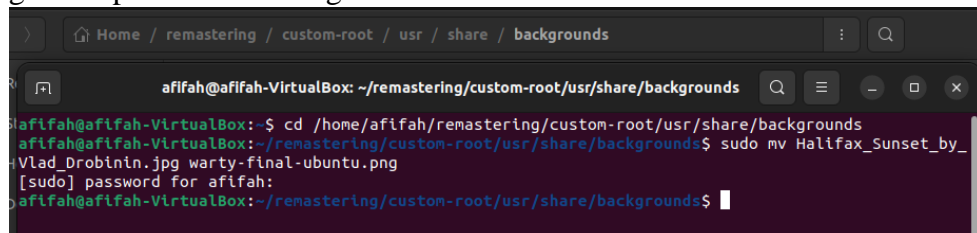
```
Customize the Linux file system using the virtual environment terminal.
✓ You are in the virtual environment. kernel 5.15.0-56-generic

You have entered the virtual environment.
root@cubic:~# apt install inkscape
Reading package lists... Done
Building dependency tree
Reading state information... Done
Package inkscape is not available, but is referred to by another package.
This may mean that the package is missing, has been obsoleted, or
is only available from another source

E: Package 'inkscape' has no installation candidate
root@cubic:~# apt-add-repository universe
'universe' distribution component enabled for all sources.
Hit:1 http://archive.ubuntu.com/ubuntu bionic InRelease
Get:2 http://archive.ubuntu.com/ubuntu bionic-updates InRelease [88.7 kB]
Get:3 http://archive.ubuntu.com/ubuntu bionic/universe amd64 Packages [8570 kB]
Get:4 http://security.ubuntu.com/ubuntu bionic-security InRelease [88.7 kB]
Get:5 http://security.ubuntu.com/ubuntu bionic-security/main amd64 Packages [2497 kB]
Get:3 http://archive.ubuntu.com/ubuntu bionic/universe amd64 Packages [8570 kB]
Get:5 http://security.ubuntu.com/ubuntu bionic-security/main amd64 Packages [2497 kB]
Get:6 http://security.ubuntu.com/ubuntu bionic-security/main Translation-en [432 kB]
Get:7 http://security.ubuntu.com/ubuntu bionic-security/main amd64 DEP-11 Metadata [55.3 kB]
Get:8 http://security.ubuntu.com/ubuntu bionic-security/main DEP-11 48x48 Icons [28.9 kB]
Get:9 http://security.ubuntu.com/ubuntu bionic-security/main DEP-11 64x64 Icons [65.1 kB]
Get:10 http://security.ubuntu.com/ubuntu bionic-security/restricted amd64 Packages [1025 kB]
Get:11 http://archive.ubuntu.com/ubuntu bionic/universe Translation-en [4941 kB]
Get:12 http://security.ubuntu.com/ubuntu bionic-security/restricted Translation-en [142 kB]
Get:13 http://security.ubuntu.com/ubuntu bionic-security/universe amd64 Packages [1250 kB]
Ign:11 http://archive.ubuntu.com/ubuntu bionic/universe Translation-en
Get:13 http://security.ubuntu.com/ubuntu bionic-security/universe amd64 Packages [1250 kB]
```

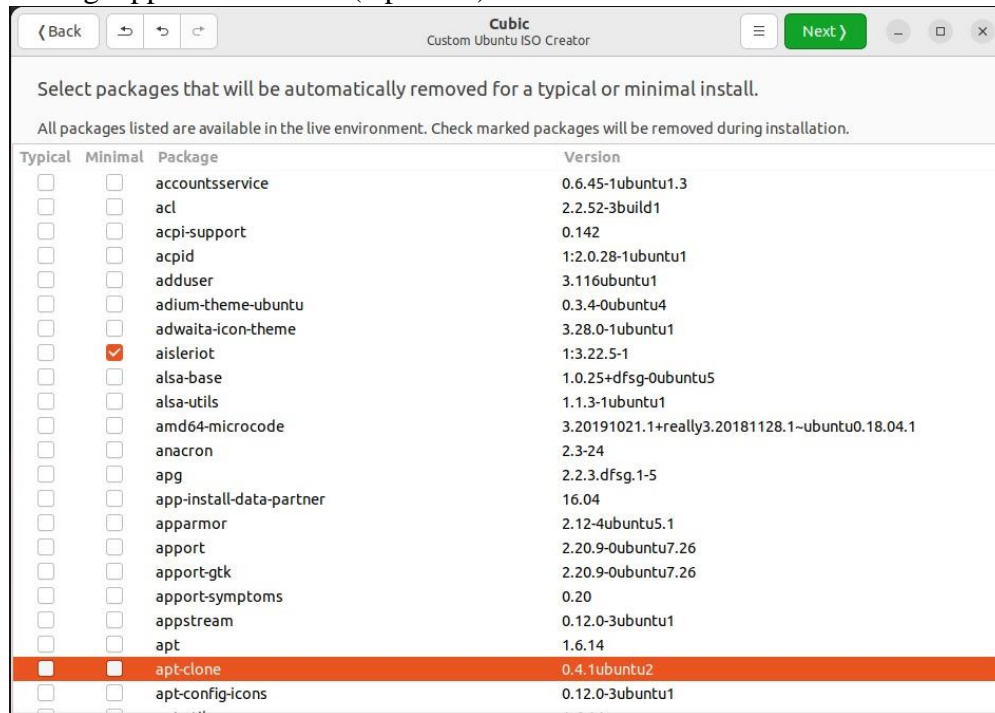
4. Mengganti wallpaper Linux untuk diremastering

- Pindahkan gambar .png ke dalam penyimpanan yang awal sudah dibuat
- Home/Documents/cubic/custom-root/usr/share/background lalu simpan gambar pada folder background

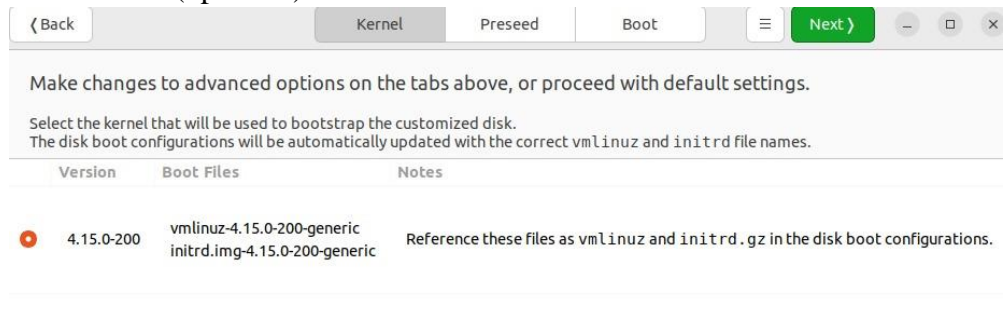


```
afifah@afifah-VirtualBox: ~/remastering/custom-root/usr/share/backgrounds
afifah@afifah-VirtualBox:~/remastering/custom-root/usr/share/backgrounds$ cd /home/afifah/remastering/custom-root/usr/share/backgrounds
afifah@afifah-VirtualBox:~/remastering/custom-root/usr/share/backgrounds$ sudo mv Halifax_Sunset_by_
Vlad_Drobinin.jpg warty-final-ubuntu.png
[sudo] password for afifah:
afifah@afifah-VirtualBox:~/remastering/custom-root/usr/share/backgrounds$
```

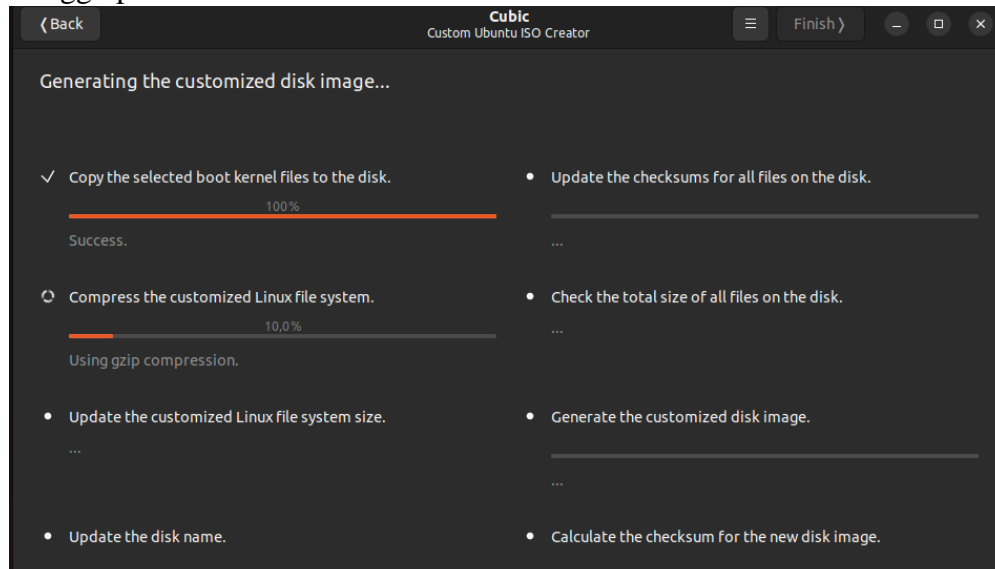
c. Setting Apps Autoremove (Opsional)



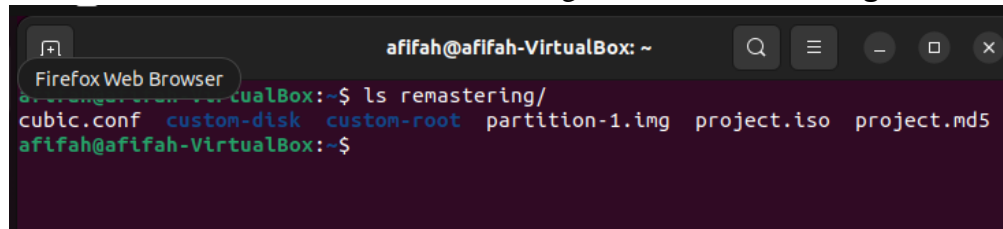
d. Ubah kernel (opsional)



e. Tunggu proses



- f. Jika sudah selesai cek melalui terminal dengan `$ls remastering/`



```
afifah@afifah-VirtualBox: ~  
afifah@afifah-VirtualBox:~$ ls remastering/  
cubic.conf  custom-disk  custom-root  partition-1.img  project.iso  project.md5  
afifah@afifah-VirtualBox:~$
```