

PRAKTIKUM SISTEM OPERASI

Modul 12: Remastering Linux Ubuntu



PRODI TEKNIK INFORMATIKA FAKULTAS KOMUNIKASI DAN INFORMATIKA

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Tanggal Praktikum	: 3 January 2023	
Mata Kuliah	: Praktikum Sistem Operasi	

Remastering Linux Ubuntu 20.04 Menggunakan tools : Cubic

A. Melakukan install cubic

1. \$sudo apt-add-repository ppa:cubic-wizard/release

```

annisa@annisa-VirtualBox: ~$ sudo apt-add-repository ppa:cubic-wizard/release
[sudo] password for annisa:
Unable to handle repository shortcut 'ppa:cubic-wizard/release'
annisa@annisa-VirtualBox: ~$ sudo apt-add-repository ppa:cubic-wizard/release
Unable to handle repository shortcut 'ppa:cubic-wizard/release'
annisa@annisa-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
Press [ENTER] to continue or Ctrl-C to cancel.
Adding repository.
Adding deb entry to /etc/apt/sources.list.d/cubic-wizard-ubuntu-release-jammy.list
Adding disabled deb-src entry to /etc/apt/sources.list.d/cubic-wizard-ubuntu-release-jammy.list
Adding key to /etc/apt/trusted.gpg.d/cubic-wizard-ubuntu-release.gpg with fingerprint 87579F80E494ED346A590F908152E2B4F1283B
Hit:1 http://id.archive.ubuntu.com/ubuntu jammy InRelease
Hit:2 http://security.ubuntu.com/ubuntu jammy-security InRelease
Hit:3 http://id.archive.ubuntu.com/ubuntu jammy-updates InRelease
Hit:4 http://id.archive.ubuntu.com/ubuntu jammy-backports InRelease
Get:5 https://ppa.launchpadcontent.net/cubic-wizard/release/ubuntu jammy InRelease [18,1 kB]
Get:6 https://ppa.launchpadcontent.net/cubic-wizard/release/ubuntu jammy/main amd64 Packages [824 B]
Get:7 https://ppa.launchpadcontent.net/cubic-wizard/release/ubuntu jammy/main i386 Packages [824 B]
Get:8 https://ppa.launchpadcontent.net/cubic-wizard/release/ubuntu jammy/main Translation-en [580 B]
Fetched 20,2 kB in 12s (1.707 B/s)
Reading package lists... Done
annisa@annisa-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 http://security.ubuntu.com/ubuntu jammy-security InRelease
Hit:5 https://ppa.launchpadcontent.net/cubic-wizard/release/ubuntu jammy InRelease
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
228 packages can be upgraded. Run 'apt list --upgradable' to see them.

```

2. \$sudo apt update

```

annisa@annisa-VirtualBox: ~$ sudo apt update
Hit:1 https://ppa.launchpadcontent.net/cubic-wizard/release/ubuntu jammy InRelease
Fetched 20,2 kB in 12s (1.707 B/s)
Reading package lists... Done
annisa@annisa-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 http://security.ubuntu.com/ubuntu jammy-security InRelease
Hit:5 https://ppa.launchpadcontent.net/cubic-wizard/release/ubuntu jammy InRelease
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
228 packages can be upgraded. Run 'apt list --upgradable' to see them.

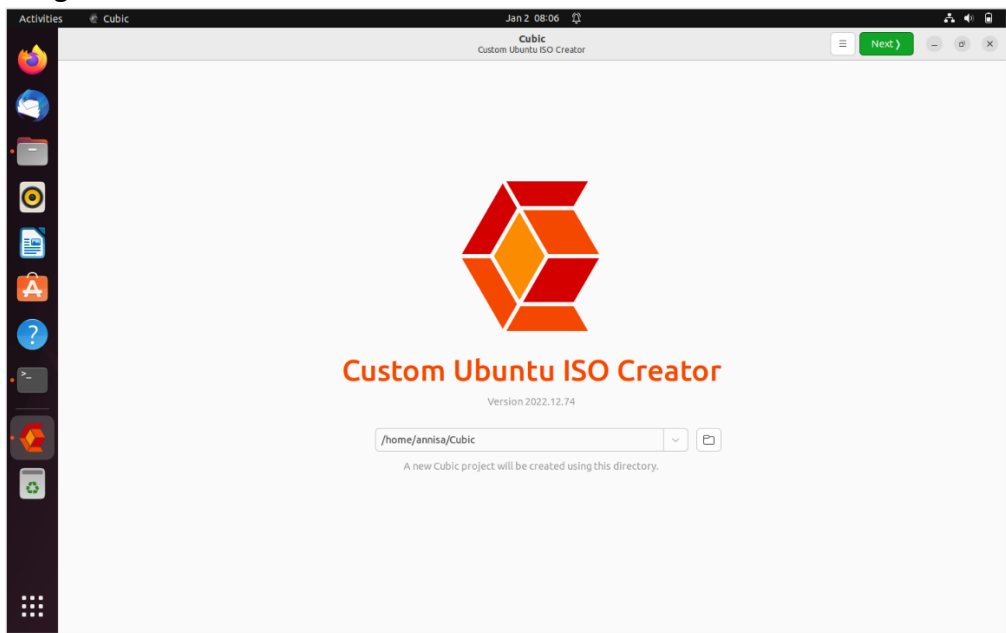
```

3. sudo apt -y install cubic

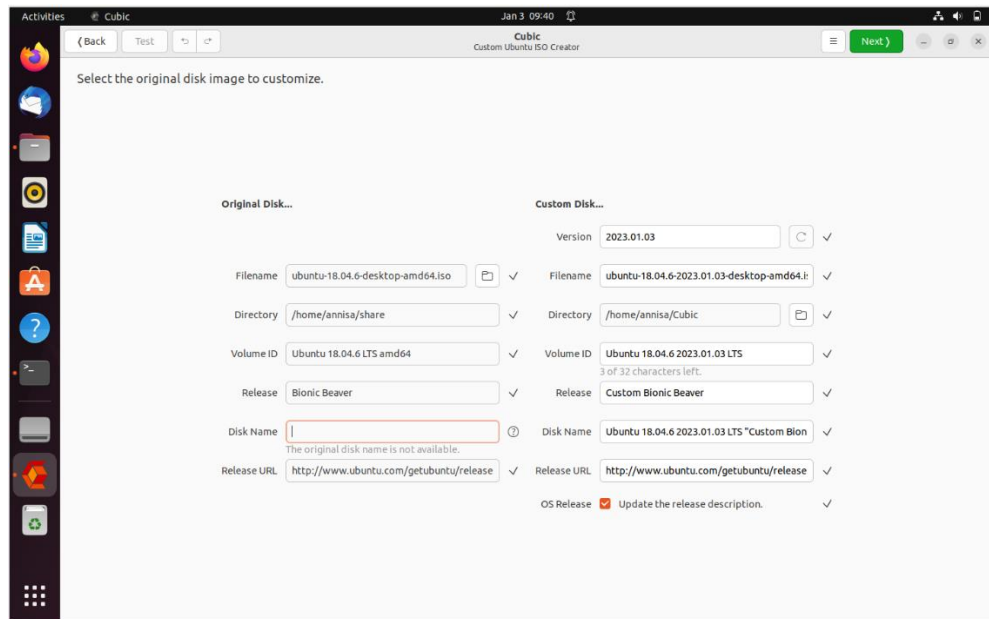
```
annisa@annisa-VirtualBox:~$ sudo apt install cubic
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  arj binwalk bit cpu-checker cranfsswap fonts-lyx freeglut3 g++ g++-11 libverbs-providers ipxe-qemu ipxe-qemu-256k-compat-efi-roms isolinux
  javascript-common libaflibb0v5 libalio1 libbftio libboost-dev libboost1.74-dev libburn4 libcacard0 libdate-manip-perl libdaxctl1 libdwf2 libexpati
  libexpat1:amd64 libexpat1-dev libfdt1 libgfortran5 libgfortran5:amd64 libgfortran5:armv7l libgfortran5:armv8t64 libgfortran5:ppc64le libgfortran5:s390x
  libjs-jquery libjs-jquery-ui libjs-sphinxdoc libjs-underscore libjte2 liblibfsgs0 libndctl0 libnss-mymachines libopenblas-dev
  libopenblas-pthread-dev libopenblas0 libopenblas0-pthread libpnm1 libpnm1:amd64 libpython3-dev libpython3-stdlib libpython3.10-dev
  libpython3.10-minimal libpython3.10-stdlib libqhull-r8.0 libqt5designer5 libqt5help5 libqt5opengl5 libqt5sprintsupports libqt5sql5
  libqt5sql5-sqlite libqt5tests libqt5xml5 librados2 librbdi librdmacm1 libslirp0 libspice-server1 libstdc++-11-dev libtk8.6 libtks19 liburing2
  libusbredirparser1 libvhd1 libvirtglrenderer1 libvndk1 libxtd-dev nmr-tools ntd-utils ncompress ovmf p7zip p7zip-full pyqt5-dev-tools
  python-matplotlib-data python3 python3-appdirs python3-argcomplete python3-attr python3-beniget python3-binwalk python3-brotli python3-cycler
  python3-decorator python3-dev python3-distutils python3-fonttools python3-fs python3-gast python3-icu python3-kiwisolver python3-lib2to3
  python3-lz4 python3-magic python3-matplotlib python3-minimal python3-mpmath python3-opengl python3-packaging python3-pil python3-pil.imagetk
  python3-ply python3-psutil python3-pydbus python3-pynotify python3-pyqt5 python3-pyqt5.qtopengl python3-pyqt5.sip python3-pyqtgraph
  python3-pyqt5.qtwebkit python3-sctpy python3-sympy python3-tk python3-ufolib2 python3-unicodedata2 python3.10 python3.10-dev python3.10-minimal
  qemu-block-extra qemu-system-common qemu-system-data qemu-system-gui qemu-system-x86 qemu-utils qtbase5-dev-tools qtchooser seabios sleuthkit
  syslinux-common systemd-container tk8.6-bit2.5 unicode-data xorriso zlib1g-dev
Suggested packages:
  bit-demo g++-multilib g++-11-multilib gcc-11-doc apache2 | lighttpd | httpd libboost-doc 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-numeric1.74-dev libboost-program-options1.74-dev libboost-python1.74-dev libboost-random1.74-dev
```

B. Menjalankan Cubic

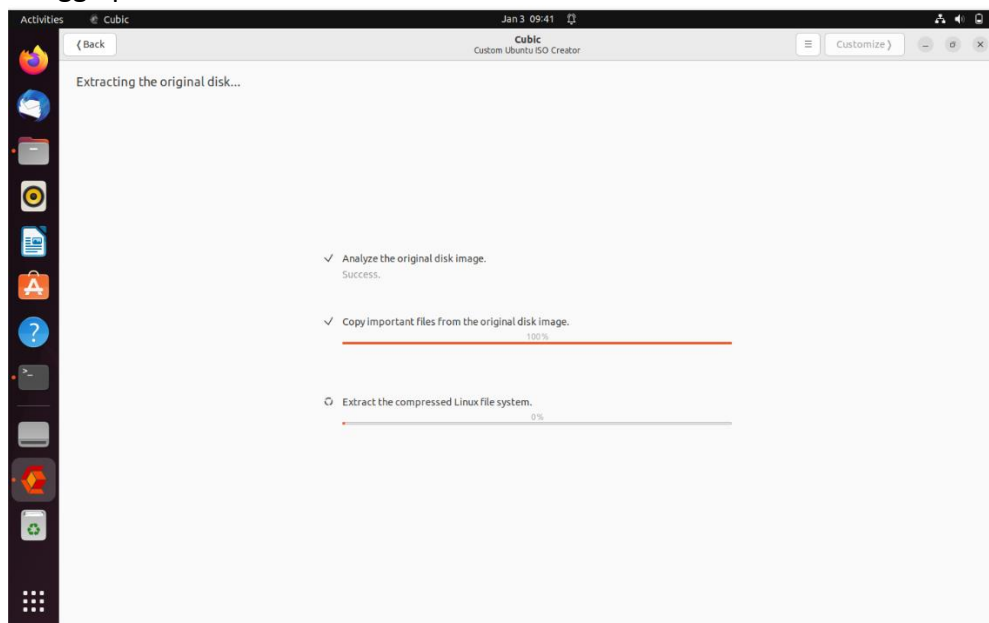
1. Membuka aplikasi cubic dan menentukan alamat di dokumen sesuai yang diinginkan.



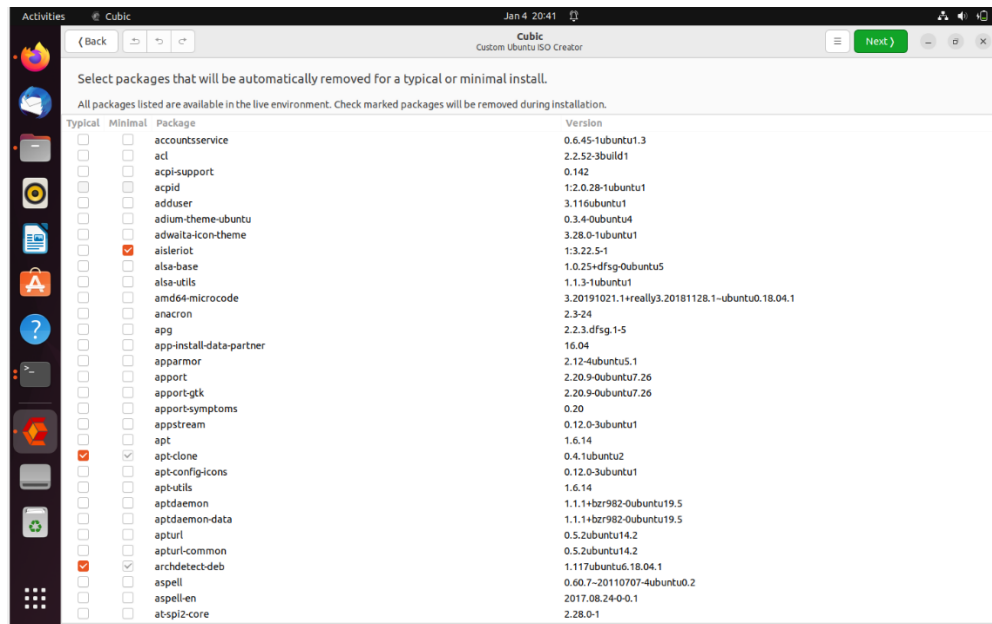
2. Siapkan file iso linux ubuntu yang digunakan untuk remastering.
3. Klik lanjutkan. Memasukan file ubuntu yang original untuk diremastering.



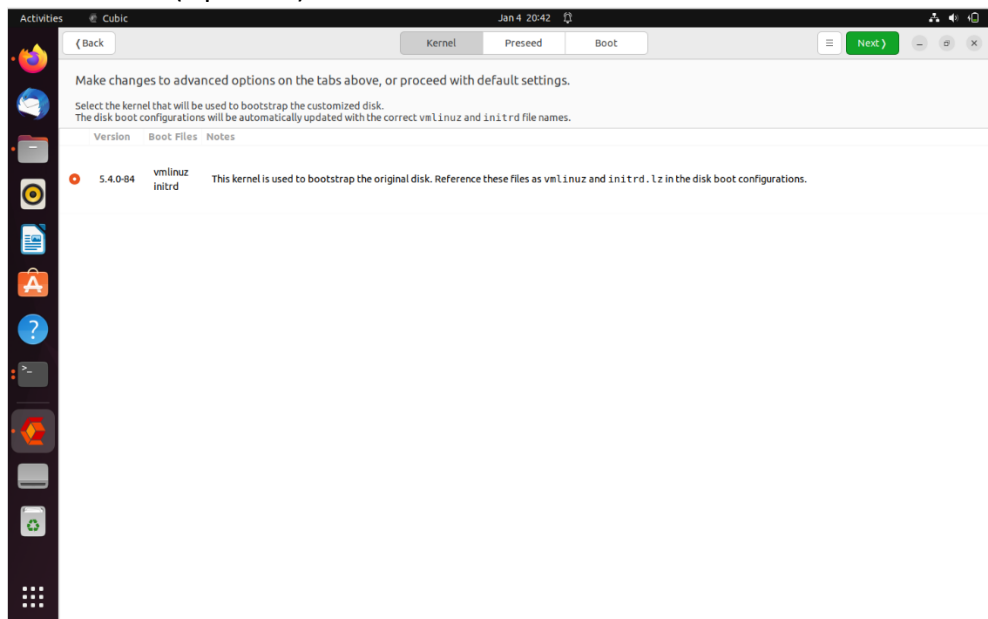
4. Tunggu proses



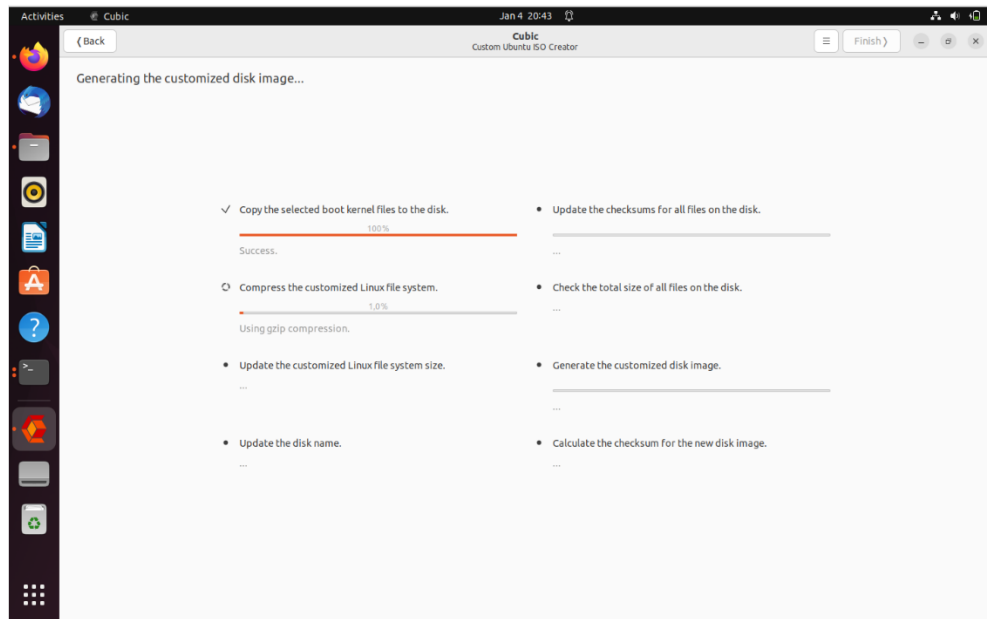
5. Masuk ke virtual environment, di virtual environment dapat menambahkan atau mengurangi aplikasi di Linux



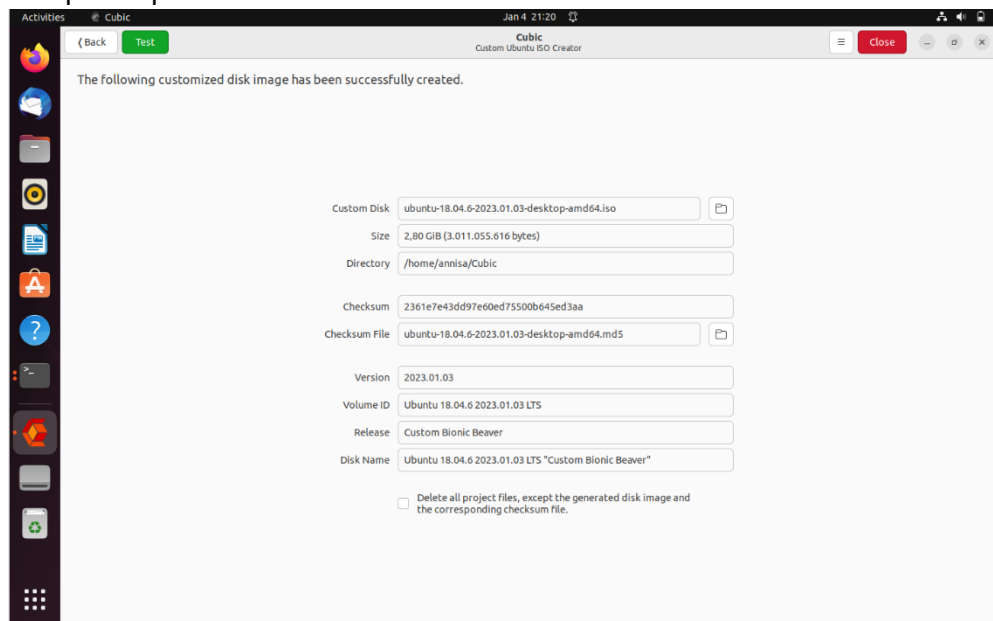
4. Ubah kernel (Opsional)



5. Ubah Compression (Opsional). Tunggu Proses.



6. Tampilan apabila sudah selesai.



7. Tampilan setelah file iso di jalankan.

