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MODUL 12

```
resya@resya-VirtualBox:~$ sudo apt-add-repository ppa:cubic-wizard/release
[sudo] password for resya:
PPARepository: '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.
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 B7579F80E494ED3406A59DF9081525E2B4F1283B
Get:1 https://ppa.launchpadcontent.net/cubic-wizard/release/ubuntu jammy InRelease [18,1 kB]
```

```
resya@resya-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
Get:5 http://security.ubuntu.com/ubuntu jammy-security InRelease [110 kB]
Fetched 110 kB in 11s (10,3 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
14 packages can be upgraded. Run 'apt list --upgradable' to see them.
resya@resya-VirtualBox:~$ sudo apt -y install cubic
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following packages were automatically installed and are no longer required:
  libflashrom1 libftdi1-2
Use 'sudo apt autoremove' to remove them.
The following additional packages will be installed:
  arj binwalk blt cpu-checker cramfsswap fonts-lyx freeglut3 g++ g++-11
  genisoimage ibverbs-providers ipxe-qemu ipxe-qemu-256k-compat-efi-roms
  isolinux javascript-common libafflib0v5 libaio1 libbfio1 libblas3
  libboost-dev libboost-iostreams1.74.0 libboost-thread1.74.0
  libboost1.74-dev libburn4 libcacard0 libdate-manip-perl libdaxctl1
  libdecor-0-0 libdecor-0-plugin-1-cairo libdouble-conversion3 libewf2
  libexpat1-dev libfdt1 libgfapi0 libgfortran5 libgfrpc0 libgfxdr0
  libglusterfs0 libibverbs1 libini-parser1 libiscsi7 libisoburn1 libisofs6
  libjs-jquery libjs-jquery-ui libjs-sphinxdoc libjs-underscore libjte2
```



Custom Ubuntu ISO Creator

Version 2022.12.74

/home/resya/Documents/cubic



E

A new Cubic project will be created using this directory.

```
root@cubic:~# add-apt-repository universe
'universe' distribution component enabled for all sources.
Get:1 http://security.ubuntu.com/ubuntu bionic-security InRelease [88.7 kB]
Hit:2 http://archive.ubuntu.com/ubuntu bionic InRelease
Get:3 http://archive.ubuntu.com/ubuntu bionic-updates InRelease [88.7 kB]
Get:4 http://archive.ubuntu.com/ubuntu bionic/universe amd64 Packages [8570 kB]
Get:1 http://security.ubuntu.com/ubuntu bionic-security InRelease [88.7 kB]
Get:4 http://archive.ubuntu.com/ubuntu bionic/universe amd64 Packages [8570 kB]
Get:5 http://security.ubuntu.com/ubuntu bionic-security/main amd64 Packages [2518 kB]
Get:5 http://security.ubuntu.com/ubuntu bionic-security/main amd64 Packages [2518 kB]
Get:4 http://archive.ubuntu.com/ubuntu bionic/universe amd64 Packages [8570 kB]
Get:4 http://archive.ubuntu.com/ubuntu bionic/universe amd64 Packages [8570 kB]
Get:5 http://security.ubuntu.com/ubuntu bionic-security/main amd64 Packages [2518 kB]
```



```

root@cubic:~# apt install inkscape
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following additional packages will be installed:
  fig2dev gawk imagemagick-6-common libblas3 libgfortran4 libgsl23 libgslcblas0 libgtkspell0
  libimage-magick-perl libimage-magick-q16-perl liblapack3 libmagick++-6.q16-7 libperl5.26 libpotrace0
  libquadmath0 libsigsegv2 libwmf-bin perl perl-base perl-modules-5.26 python-bs4 python-chardet
  python-html5lib python-lxml python-numpy python-pkg-resources python-scour python-six
  python-webencodings python3-scour scour transfig
Suggested packages:
  xfig gawk-doc dia libsvg-perl libxml-xql-perl pstoeedit python-uniconvertor ruby gsl-ref-psdoc
  | gsl-doc-pdf | gsl-doc-info | gsl-ref-html imagemagick-doc perl-doc libterm-readline-gnu-perl
  | libterm-readline-perl-perl make python-genshi python-lxml-dbg python-lxml-doc gcc gfortran
  python-dev python-nose python-numpy-dbg python-numpy-doc python-setuptools
The following NEW packages will be installed:
  fig2dev gawk inkscape libblas3 libgfortran4 libgsl23 libgslcblas0 libgtkspell0 libimage-magick-perl
  libimage-magick-q16-perl liblapack3 libmagick++-6.q16-7 libpotrace0 libquadmath0 libsigsegv2
  libwmf-bin python-bs4 python-chardet python-html5lib python-lxml python-numpy python-pkg-resources
  python-scour python-six python-webencodings python3-scour scour transfig
The following packages will be upgraded:
  imagemagick-6-common libperl5.26 perl perl-base perl-modules-5.26
5 upgraded, 28 newly installed, 0 to remove and 304 not upgraded.
Need to get 33.1 MB of archives.
After this operation, 164 MB of additional disk space will be used.
Do you want to continue? [Y/n] y

```

Preparing options...

✓ Identify disk boot kernels.

Found no initrd files

Search for initrd files in source-disk/casper

Found one initrd file

Identify version for initrd

Identify correct compression format for initrd

Consolidated kernel files

Found one valid disk boot kernel.

• Create the package manifest for a typical install.

...

• Create the package manifest for a minimal install.

...

• Identify installed packages.

...

• Save the package manifest.

...

| Typical | Minimal | Package | Version |
|-------------------------------------|-------------------------------------|--------------------------|-------------------------------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | accountsservice | 0.6.45-1ubuntu1.3 |
| <input type="checkbox"/> | <input type="checkbox"/> | acl | 2.2.52-3build1 |
| <input type="checkbox"/> | <input type="checkbox"/> | acpi-support | 0.142 |
| <input type="checkbox"/> | <input type="checkbox"/> | acpid | 1:2.0.28-1ubuntu1 |
| <input type="checkbox"/> | <input type="checkbox"/> | adduser | 3.116ubuntu1 |
| <input type="checkbox"/> | <input type="checkbox"/> | adium-theme-ubuntu | 0.3.4-0ubuntu4 |
| <input type="checkbox"/> | <input type="checkbox"/> | adwaita-icon-theme | 3.28.0-1ubuntu1 |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | aisleriot | 1:3.22.5-1 |
| <input type="checkbox"/> | <input type="checkbox"/> | alsa-base | 1.0.25+dfsg-0ubuntu5 |
| <input type="checkbox"/> | <input type="checkbox"/> | alsa-utils | 1.1.3-1ubuntu1 |
| <input type="checkbox"/> | <input type="checkbox"/> | amd64-microcode | 3.20191021.1+really3.20181128.1~ubuntu0.18.04.1 |
| <input type="checkbox"/> | <input type="checkbox"/> | anacron | 2.3-24 |
| <input type="checkbox"/> | <input type="checkbox"/> | apg | 2.2.3.dfsg.1-5 |
| <input type="checkbox"/> | <input type="checkbox"/> | app-install-data-partner | 16.04 |
| <input type="checkbox"/> | <input type="checkbox"/> | apparmor | 2.12-4ubuntu5.1 |
| <input type="checkbox"/> | <input type="checkbox"/> | appport | 2.20.9-0ubuntu7.26 |
| <input type="checkbox"/> | <input type="checkbox"/> | appport-gtk | 2.20.9-0ubuntu7.26 |
| <input type="checkbox"/> | <input type="checkbox"/> | appport-symptoms | 0.20 |
| <input type="checkbox"/> | <input type="checkbox"/> | appstream | 0.12.0-3ubuntu1 |
| <input type="checkbox"/> | <input type="checkbox"/> | apt | 1.6.14 |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | apt-clone | 0.4.1ubuntu2 |
| <input type="checkbox"/> | <input type="checkbox"/> | apt-config-icons | 0.12.0-3ubuntu1 |

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Kernel

Preseed

Boot

☰

Next ⏩

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Make changes to advanced options on the tabs above, or proceed with default settings.

Select the kernel that will be used to bootstrap the customized disk.
The disk boot configurations will be automatically updated with the correct `vmlinuz` and `initrd` file names.

| | Version | Boot Files | Notes |
|---|----------|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ● | 5.4.0-84 | <div>vmlinuz</div> <div>initrd</div> | This kernel is used to bootstrap the original disk. Reference these files as <code>vmlinuz</code> and <code>initrd.lz</code> in the disk boot configurations. |

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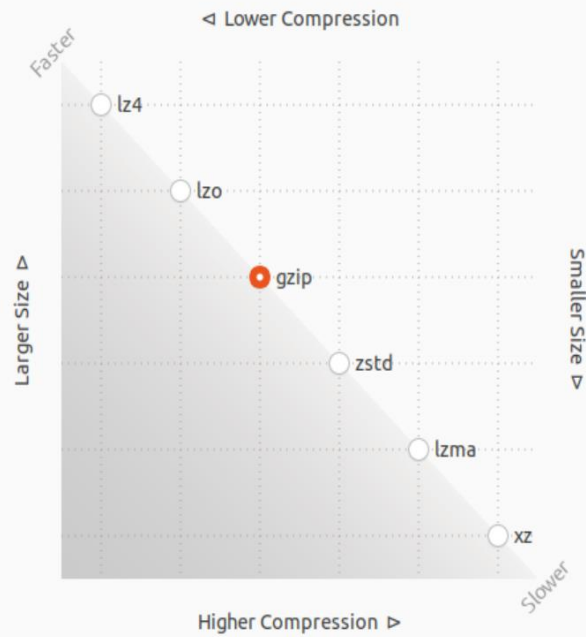
Cubic
Custom Ubuntu ISO Creator



Generate >



Select the compression for the Linux file system.
Click the Generate button to begin creating the customized disk image.



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☰

Finish ⏩

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⌵

✕

Generating the customized disk image...

✓

Copy the selected boot kernel files to the disk.

100%

Success.

•

Update the checksums for all files on the disk.

...

🔄

Compress the customized Linux file system.

2,3%

Using gzip compression.

•

Check the total size of all files on the disk.

...

•

Update the customized Linux file system size.

...

•

Generate the customized disk image.

...

•

Update the disk name.

...

•

Calculate the checksum for the new disk image.

...

Back

Test

Cubic
Custom Ubuntu ISO Creator

Close

The following customized disk image has been successfully created.

Custom Disk

jeno.iso

Size

2,47 GiB (2.654.556.160 bytes)

Directory

/home/resya/Documents/cubic

Checksum

f15f63b081fb931a689c19741c4bba7d

Checksum File

jeno.md5

Version

2023.01.09

Volume ID

haechan 1.1 LTS

Release

mark's

Disk Name

haechan 1.1 LTS "mark's"

☐

Delete all project files, except the generated disk image and the corresponding checksum file.