



UNS

UNIVERSITAS
SEBELAS MARET

D3 TEKNIK INFORMATIKA



open source

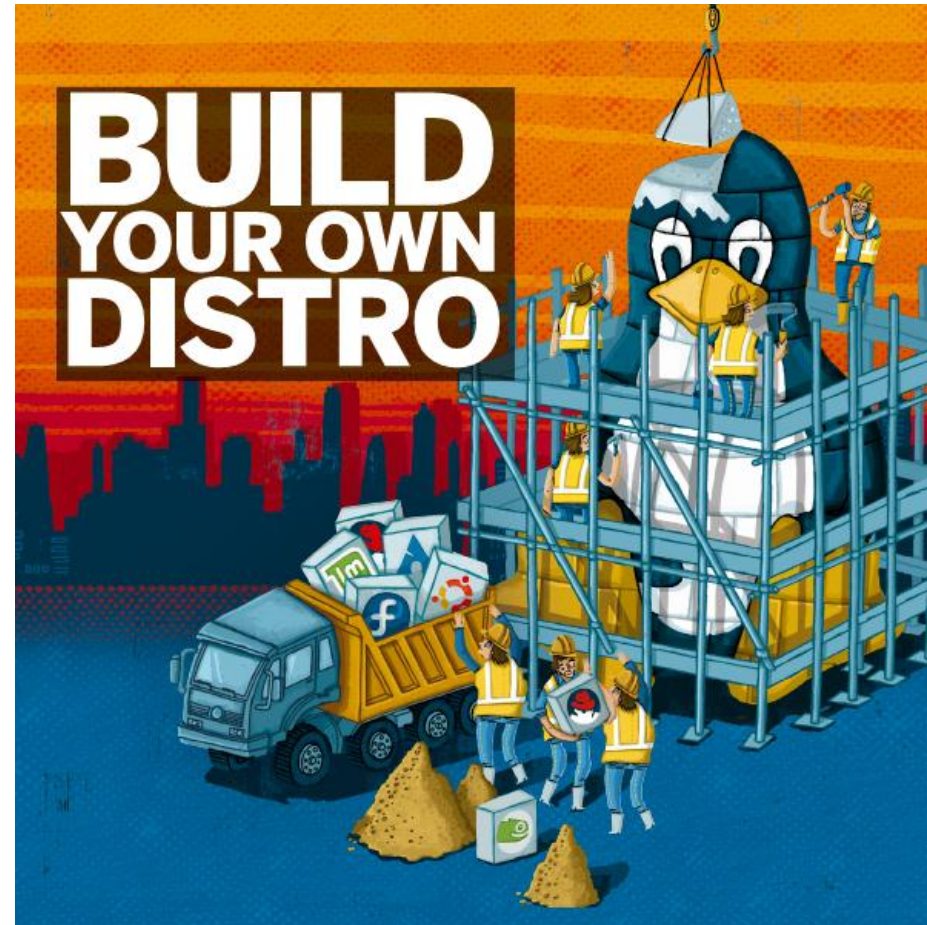
Mata Kuliah : Open Source
Tahun : 2014

Pertemuan 9

Pembuatan Distro Remaster

Latar Belakang

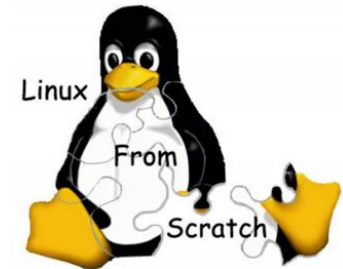
1. Banyaknya Ragam Distro Linux yang beredar (distrowatch.com)
2. Anggapan bahwa Linux itu “tidak mudah”
3. Kebutuhan OS Linux untuk bidang-bidang yang spesifik
4. OS Linux yang Lebih Menarik!



Distro vs Remaster

Distro adalah Hasil

Remaster adalah salah satu cara Proses



Cara Membuat Distro Linux adalah :

1. **REMASTER** (known as redistribution or remix). This only requires the change of a wallpaper, installation of some software, and publication of an ISO image. One of famous remasters is Linux Mint.
2. The second type of distro is **FORK**. Fork is very similar to a remaster, but it has its own repositories, kernel configurations and other changes. A famous fork is Ubuntu.
3. The final type of a distro is an **INDEPENDENT** one. Independent distros are compiled from scratch by builder(s) .A famous example of an independent distro is Debian GNU/Linux. Create using LSF (Linux



Distro Turunan

Sebuah proses untuk membuat sebuah linux baru dari linux yang **sudah ada sebagai dasar atau pondasi sistemnya.**

Distro Turunan bercirikan :

1. Mempunyai repositori sendiri tidak dari distro induknya
2. Mempunyai paket khas yang tidak dimiliki oleh induknya, seperti paket dalam distro BlankON, Sabily dan IGOS
3. Mempunyai pemaket yang memelihara paket aplikasi
4. Mempunyai rebranding paket dari induknya
5. Mempunyai penelusuran bug



Distro Remaster

Proses untuk membuat sebuah linux baru dari linux yang sudah ada. Hasil remastering linux adalah linux yang mirip dengan linux induk namun telah mengalami beberapa modifikasi yang membuatnya berbeda, misal : *tema tampilan, perangkat lunak yang terbundel dengannya dan sebagainya.*

Tujuannya adalah :

- (1) Memenuhi kebutuhan yg tidak tersedia distro induknya.
- (2) Membackup
- (3) Menyebarkan copy Linux yang telah dibuat

Cirinya Remaster adalah :

- (1) Tidak mempunyai repositori
- (2) Tidak mempunyai aplikasi sendiri



Apa itu Remastering

Remastering (istilah diambil dari proses produksi audio) adalah suatu proses mengubah perangkat lunak untuk distribusi pribadi atau penggunaan “off-label”

Berkaitan dengan Linux. Sebagian besar distribusi Linux dimulai dengan *remastering* (terutama Slackware dari SLS Linux dan Yellow Dog Linux, Mandriva dan TurboLinux dari Red Hat Linux serta Ubuntu dari Debian).

Istilah ini di populerkan oleh Klaus Knopper, **pencipta Knoppix Live Distro**, yang secara tradisional telah mendorong para penggunanya untuk meng-hack distro lain. Dengan cara ini diharapkan dapat memenuhi kebutuhan pengguna. Knoppix sendiri merupakan remaster dari Debian.



REMASTER Offline



Tools Offline Remastering

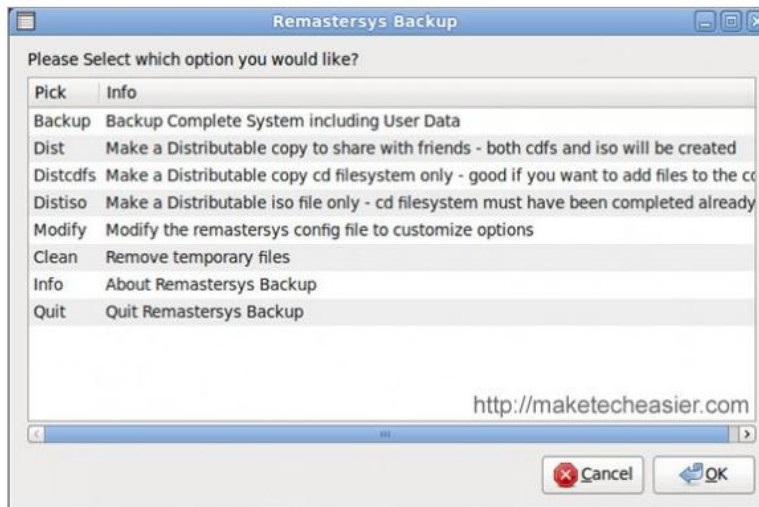
1. Remastersys
2. Reconstructor
3. UCK (*Ubuntu Customisation Kit*)
4. Linux Live Kit
5. Revisor
6. Mklive CD
7. Relinux



(1) Remastersys

Tools Backup untuk Debian dan Ubuntu. Favorit untuk membuat .iso

Remastersys
Reconstructor
UCK (*Ubuntu Customisation Kit*)
Linux Live Kit
Revisor
Mklive CD
Relinux



(2) Reconstructor

Toolkit untuk membuat versi kustom
Debian dan Ubuntu

Remastersys
Reconstructor

UCK (*Ubuntu
Customisation Kit*)

Linux Live Kit

Revisor

Mklive CD

Relinux



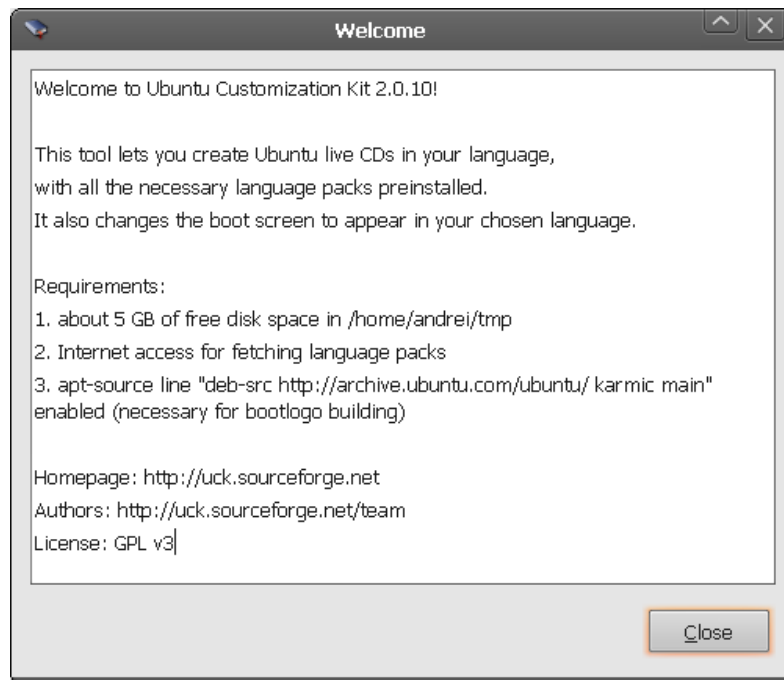
[Reconstructor](#) is a toolkit for creating custom versions of the GNU/Linux operating system, specifically [Debian](#) and [Ubuntu](#). To get started, [login](#).

If you do not have an account [Sign Up](#) - \$5 gets you unlimited usage for the month. There are no recurring charges. Simply re-signup when you need more.

Curious? View some [screenshots](#).

(3) UCK

Ubuntu Customisation Kit



Remastersys
Reconstructor
UCK (Ubuntu
Customisation Kit)
Linux Live Kit
Revisor
Mklive CD
Relinux

(4) Linux Live Kit

www.linux-live.org

Linux Live Kit

the ultimate way to bring your linux to life



howtos



download



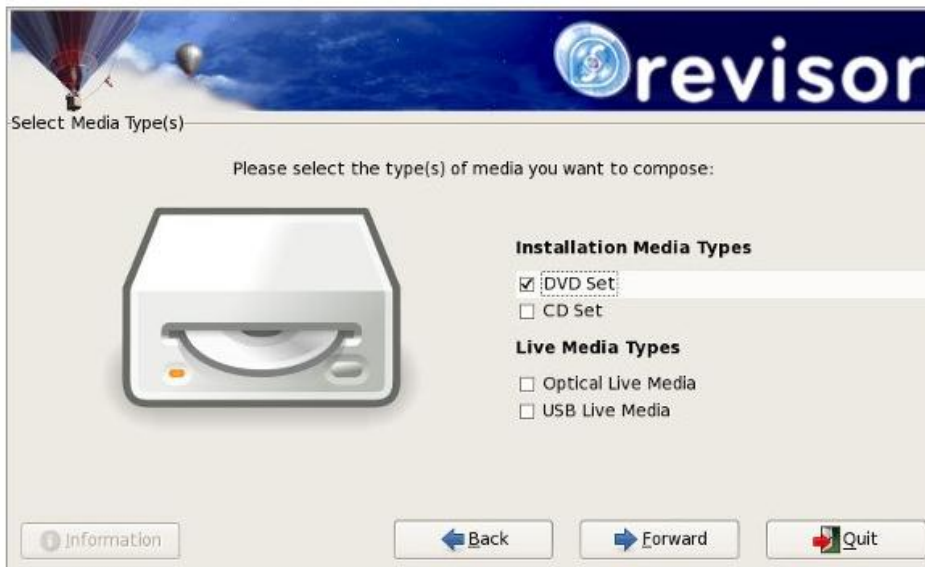
changes

Remastersys
Reconstructor
UCK (*Ubuntu
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Revisor
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Relinux

(4) Revisor

Dari Fedora untuk membuat .iso dan live system

Remastersys
Reconstructor
UCK (*Ubuntu Customisation Kit*)
Linux Live Kit
Revisor
Mklive CD
Relinux



REMASTER Online

- Susestudio (www.susestudio.com)
- Slax (www.slax.org)
- Instalinux (www.instalinux.com)
- LiveBuild (<http://live-build-cgi.debian.net>)
- Porteus (<http://build.porteus.org>)

Susestudio (www.susestudio.com)



Your account

Display name:

Email address:

User name:

Home page:

Bio:

Basic formatting: *bold*, _italic_, +underline+, @code@, More options...

You have accepted the [SUSE Studio Terms of Use](#).

You can access the [SUSE Studio API](#).

☒ I would like to receive emails when users comment on my appliances.

Solobarcode Computama



Profile pictures are provided by [Gravatar](#), and are based on your email address.

[Update your picture...](#)

Public profile: <https://susegallery.com/u/solobarcode>

You've been using SUSE Studio since **2011-11-01** (2 days ago).

You are using **1%** of your space (267MB of 15GB)

Please tell us more... The more we know, the better we can make SUSE Studio for you!



Search for software

Show: [All repositories](#)

Your appliance

To be installed (392) Selected (80) Banned (0) Recommended (161)

All available software

All packages (11783) All patterns (53) Uploaded RPMs (0)


Software groups

Development (3780) Games (110) Graphics (208) Multimedia (298)

Office (418) System (4407) Text (320) Servers (318)

Networking (1013) Desktop (47) Other (1004)
















Slax (www.slax.org)




get slax modules build slax feedback

Users online right now: 433 - [Login](#) Language: [en](#), [more](#) ▼, [translate](#)

Slax modules

 artwork 128 items	 graphics 159 items	 education 88 items
 games 150 items	 editors 115 items	 multimedia 254 items
 network 465 items	 security 117 items	 system 424 items
 develop 281 items	 drivers 194 items	 multilang 115 items
 console 220 items	 libraries 675 items	 utilities 441 items

 [Search](#)

[search in all categories](#)








Show only: [suggested modules](#) [slackware modules](#) [verified modules](#) [sandbox modules](#)

Users online right now: 436 - [Login](#) Language: [en](#), [more](#) ▼, [translate](#)

Build Slax (labeled with a black circle containing the number 3)

Build your own customized Slax with all the modules you need, then download your ISO or TAR directly from this site. You have the following modules selected: ([save your selection](#), [restore it later](#))

suggested modules

 Slax Core 6.1.2	 Slax Xorg 6.1.2	 Slax KDE 6.1.2	 Slax Apps 6.1.2	 Slax KOffice 6.1.2	 Slax Devel 6.1.2	 Slax Firefox 6.1.2
--	--	---	--	---	---	---

[+ Add more modules](#) | [Default selection](#)

To add more modules to this build, click the link above. It will show you all the available modules. Click 'Add to build' next to every module you wish to add. You may imagine this as a shopping cart, you will see your added modules every time you return here to this page. If you need to remove any particular module from this build, even any pre-selected suggested one, click its icon and then click 'undo build' at the detail page, that's all you need.

Estimated total size: 199 MB

[Download ISO](#)

[Download TAR](#)

InstaLinux (www.instalinux.org)



[System Designer](#) - [Designer Pro](#) - [Profile Manager](#) - [Feedback](#) - [Consulting](#) - [News](#) - [Follow us on Twitter](#)

Create a custom Instalinux install image - Step 1

First, provide the target hostname, and select a Linux distribution

Hostname or IP: - Leave blank for DHCP vended hostname

☐ - force use of DHCP and request this hostname (DDNS)

Distro:

Version:

Architecture:

Powered by [LinuxCOE](#) - **Instalinux** - Copyright© 2010 All Rights Reserved .

LiveBuild (<http://live-build-cgi.debian.net>)

Live Systems

BuildWWW

Submit your parameters (**working** email address is required) to generate your very own Debian Live system.

Options

Email Address:

yudhauns@yahoo.co.id

Standard options (click to collapse)

--binary-images:	iso-hybrid
--distribution:	wheezy
--config:	Standard
cgipackages.list.chroot:	

Advanced bootstrap options (click to expand)

Advanced chroot options (click to expand)

Advanced binary options (click to expand)

Advanced source options (click to expand)

Reset

Submit

Yahoo! Messeng

Porteus (http://build.porteus.org)



The screenshot displays the Porteus Build Wizard interface, which is used to create a custom Linux ISO. The interface is divided into several sections:

- SYSTEM**: This section contains three main configuration areas:
 - Select your system architecture**: Offers two options, **32** (32BIT) and **64** (64BIT).
 - Select your system type**: Offers two options, **GUI** (represented by a desktop icon) and **TEXT** (represented by a terminal icon).
 - Select your desktop**: Provides a row of icons for different desktop environments, including Xfce, Gnome, KDE, and LXDE.
- DRIVERS**: A section on the right side for selecting additional components:
 - Video Card Driver**: Includes icons for NVIDIA, AMD, and Linux (Penguin).
 - Printing support**: Includes icons for a printer and a red 'X' (likely for disabling support).
- Summary and Build**: At the bottom, it shows the **Current ISO Size: ~167 MB** and a large blue **BUILD** button.
- Notes**: Two lines of text at the bottom right state: *NOTE : ISO image generated by the wizard will contain Porteus 2.1* and *NOTE : Standalone ISO/modules can be downloaded from build.porteus.org*.

- http://fedoraproject.org/wiki/How_to_create_and_use_a_Live_CD
- <http://www.intestate.com/pilfs/>
- <http://www.linux-magazine.com/Online/Blogs/Productivity-Sauce/Build-Your-Own-Portable-Linux-Distro-with-Porteus>
- <http://www.tuxradar.com/content/build-your-own-linux-distribution-easy-way/>
- <http://build.porteus.org/>
- <http://www.linuxuser.co.uk/news/build-your-own-distro-part-one>
- <http://www.linuxuser.co.uk/news/build-your-own-distro-part-two>
- <http://www.wikihow.com/Build-Your-Own-Linux-Distro>



thank you.