

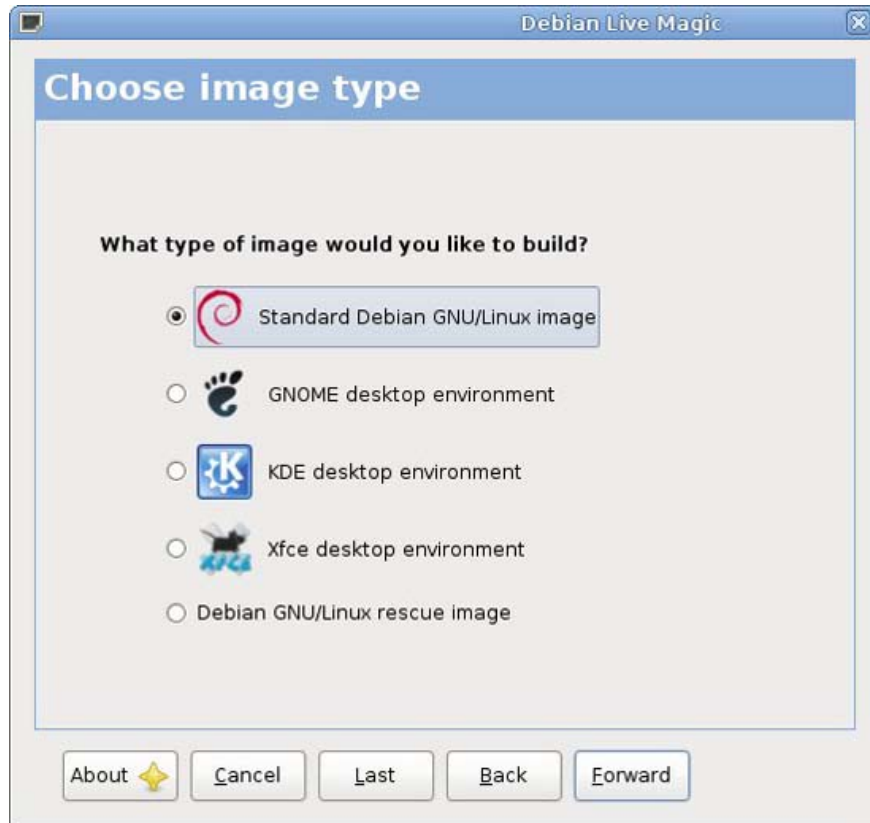
8 easy tools to create your own Linux Distro

You want to create your own distribution but don't know where to start and what tools to use, so read this article to learn about distro-creating tools yourself!

Network administration - It's hard to say there isn't enough Linux distribution for users at this time, but it's hard to say if there's a distribution that has everything for everyone . There are many reasons for the need to have a separate distribution of each person, but users are still afraid and do not dare to customize a distribution for their own, this is a very difficult job. However, with the help of modern software today, you can completely create new distributions, mix in some of the necessary products, customize the configuration to best suit you only. in minutes, instead of months like before. In this article we list you 8 software tools that can help make this customization easy.

1. Live-Magic

This is a Debian / Ubuntu tool that can create CD, USB, and network boot images. It is also much simpler to use than Remastersys, but do not use the running system to create an image but instead you have to follow a 'wizard' and choose your configuration options. The program will retrieve the packets from the repository and install them into your image. Live-Magic can be installed through package managers. Ubuntu users can [click here](#).



2. Instalinix.com

One really interesting thing about Instalinix is that it allows you to create an ISO image online. At the website, you can choose which distribution to build the platform as well as the software package. Instalinix will create a small boot ISO (approx. 30mb), when booted, this iso will install and load other software packages from the Internet. This is a pretty flexible tool in the list of utilities introduced in the article, in addition to the web interface makes it easy to use. However, one thing is that it does not provide you with a comprehensive desktop environment.

Instalinux

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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:

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3. Susestudio.com

Somewhat similar to Instalinux, SUSE studio allows you to use the web interface to create custom distribution. However, it is a program that needs to be invited and you can request an invitation from its website.

Start Software Configuration Overlay files Build

Welcome to SUSE Studio!

Configure your appliance using the tabs above.

When you're finally done making everything the way you want, [visit the Build tab](#) to generate your appliance.

But first, give your appliance a name! It will be used in the boot screen, and in several other places.

Appliance name:

4. Linuxrespin.org

Linux Respin is part of Remastersys that has ceased operations. Years ago, Remastersys was one of the most popular tools for creating Linux distributions and / or backing up operating systems. Linux Respin does not offer as many features as Remastersys, but there are still tools for creating distributions of Debian, Mint and Trisquel.




5. Linux-live.org


The Linux Live Kit is another tool you can use to create your own distribution or backup your system. It primarily creates Debian distributions but can also run on other distributions, as long as it supports squashfs kernel and aufs modules. The Linux Live Kit has a great wizard on how to build a distribution, just follow the steps and you've got a custom distro.

Linux Live Kit


the ultimate way to bring your linux to life



howtos



download



changes

Linux Live Kit is a set of shell scripts which allows you to create your own Live Linux from an already installed Linux distribution. The Live system you create will be bootable from CD-ROM or a disk device, for example USB Flash Drive, USB Pen Drive, Camera connected to USB port, and so on. People use Linux Live Kit to boot Linux from iPod as well.

How to build a Live distro:

- 1) Install your favourite distro to disk partition, or into a folder on your existing system.
Debian is recommended but not required.
- 2) Make sure that **aufs** and **squashfs** kernel modules are supported by your kernel.
Debian Jessie has both included automatically.
You may need to install aufs-dkms package on newer versions of Debian.
- 3) Now remove all unnecessary files (for example man pages and all other files you don't need), to make your Live Linux system as small as possible (this step is optional).
It is recommended to remove udev's persistent net rules and other settings of your distro, which may prevent it from functioning correctly on different hardware.
- 4) Download Linux Live Kit from [github](#) and put it in /tmp

6. Ubuntu Imager

Ubuntu Imager is a good tool for creating Ubuntu distributions. It is not the only application for Ubuntu, but the best tool. Read the article [Create your own Linux distribution with Ubuntu Imager](#) to know how to create a distribution with Ubuntu Imager.

Distroshare / distroshare-ubuntu-imager

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Creates an installable live CD from an installed Ubuntu or derivative distribution

59 commits 2 branches 16 releases 1 contributor GPL-2.0

Branch: master New pull request Find file Clone or download

File	Commit Message	Time Ago
LICENSE	Initial commit	3 years ago
README.md	readme update	3 years ago
distroshare-ubuntu-imager.config	Fixed errors in the comments	2 years ago
distroshare-ubuntu-imager.sh	Bug fixes	2 years ago
plugininstall.patch	A fix for a possible installer crash	3 years ago
ubiquity.patch	Spacing in patch was wrong	3 years ago
ubiquity_frontend_gtk_dialog_size.patch	Bug fixes	2 years ago
user-setup-apply.patch	Added support for distroshare updater	2 years ago

7. Linuxfromscratch.org

If you want absolute control over what is created in a distribution, you can view a Linux project from Scratch. LFS has very extensive documentation and is a great learning resource for Linux in general, not just how to create distributions. Linux from Scratch allows building a custom Linux system entirely from source code. LFS is not a tool, like other tools on this list, but you can still use it for the same purpose of creating Linux distributions.

linux from scratch

Google Search

LFS BLFS ALFS CLFS

What is Linux From Scratch?

Linux From Scratch (LFS) is a project that provides you with step by step instructions for building your own customized Linux system entirely from source.

Why would I want an LFS system?

Many wonder why they should go through the hassle of building a Linux system from scratch when they could just download an existing Linux distribution. However, there are several benefits of building LFS. Consider the following:

- LFS teaches people how a Linux system works internally**
Building LFS teaches you about all that makes Linux tick, how things work together and depend on each other. And most importantly, how to customize it to your own tastes and needs.
- Building LFS produces a very compact Linux system**
When you install a regular distribution, you often end up installing a lot of programs that you would probably never use. They're just sitting there taking up (precious) disk space. It's not hard to get an LFS system installed under 100 MB. Does that still sound like a lot? A few of us have been working on creating a very small embedded LFS system. We installed a system that was just enough to run the Apache web server; total disk space usage was approximately 8 MB. With further stripping, that can be brought down to 5 MB or less. Try that with a regular distribution.
- LFS is extremely flexible**
Building LFS could be compared to a finished house. LFS will give you the skeleton of a house, but it's up to you to install plumbing, electrical outlets, kitchen, bath, wallpaper, etc. You have the ability to turn it into whatever type of system you need it to be, customized completely for you.
- LFS offers you added security**
You will compile the entire system from source, thus allowing you to audit everything. If you wish to do so, and apply all the security patches you want or need to apply. You don't have to wait for someone else to provide a new binary package that (hopefully) fixes a security hole. Often, you never truly know whether a security hole is fixed or not unless you do it yourself.

What can I do with my LFS system?

A by-the-book LFS system is fairly minimal, but is designed to provide a strong base on which you can add any packages you want. See the [BLFS project](#) for a selection of commonly used packages.

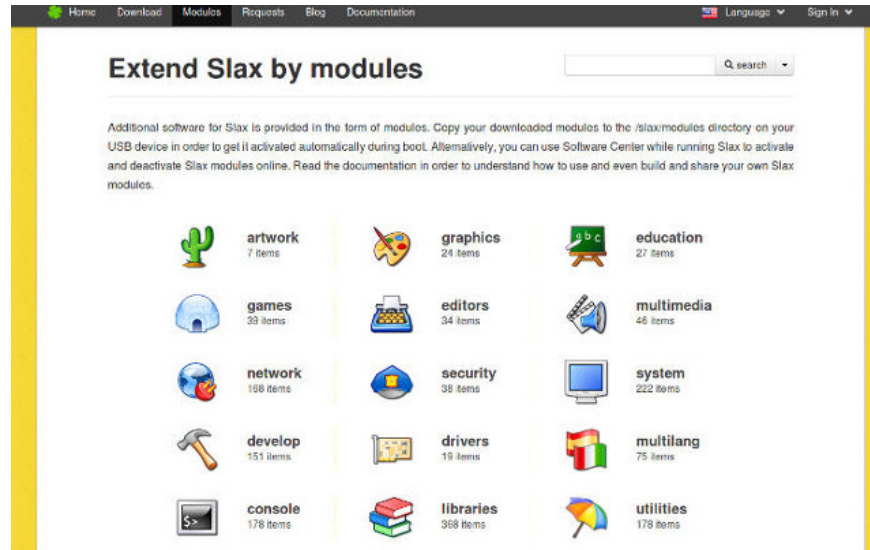
Who's who:

- Project Leader: Gerard Beekmans
- Project Co-leader: Matthew Burgess
- Project Co-leader: Bruce Dubbs
- Plus numerous people who contribute to the book and its side projects.

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8. Modules Slax Tools

If you're looking for an easy-to-use tool and prefer Slax - a lightweight laptop based on Slackware, you'll be lucky because it has an online tool to select modules in the distribution. Look over the types of software and select the applications you want, add them to the project. Don't worry if you miss one or two apps, because you can always add more apps after building and running it.



I wish you all success!

You finished reading the article "**8 easy tools to create your own Linux Distro**" edited by the [TipsMake](#) team. We hope this article has provided you with many useful tech tips and tricks. You can search for similar articles on tips and guides. Thank you for reading and for following us regularly.