There are 115 distributions derived from Debian.

AbulÉdu • Adamantix • AGNULA GNU/Linux Audio Distribution • ANTEMIUM Linux • Arabbix • ARMA aka Omoikane GNU/Linux • ASLinux • Auditor Security Linux • Augustux • B2D Linux • BEERnx • Biadix • BIG LINUX • Bioknoppix • BlackRhino • Bluewall GNU/Linux • Bonzai Linux • BrlSpeak • Càtix • CensorNet • Clusterix • ClusterKNOPPIX • Condorux • Damn Small Linux • Danix • DebXPde • eduKnoppix • ERPOSS • ESware • Euronode • FAMELIX • Feather Linux • Flonix • Vital Data Forensic or Rescue Kit (FoRK) • Freeduc-cd • GEOLivre Linux • Gibraltar Firewall • GNIX-Vivo • Gnoppix Linux • gnuLinEx • GNU/Linux Kinneret • GNUstep Live CD • grml • Guadalinex • Helix • Hiweed Linux • Impi Linux • Julex • K-DEMar • Kaella • Knoppix Linux Azur • Kalango Linux • KANOTIX • KlusTriX • knopILS • Knoppel • Knoppix • Knoppix 64 • Knoppix STD • KnoppixXMAME • KnoppMyth • Kurumin Linux • LAMPPIX • Libranet GNU/Linux • LIIS Linux • LinEspa • Linspire • Linux Live Game Project • Linux Loco • LinuxDefender Live! CD • Linuxin • LiVux • Local Area Security Linux (L.A.S.) • Luinux • Luit Linux • MAX: Madrid_Linux • Mediainlinux • MEPIS Linux • Metadistro-Pequelin • MIKO GNYO/Linux • Morphix • Munjoy Linux • Nature’s Linux • NordisKnoppix • OGo Knoppix • Oralux • Overclockix • Quantian • Penguin Sleuth • PHLAK • PilotLinux • Progeny Debian • Rays Linux • ROSLIMS Live CD • Salvare • Santa Fe Linux • Shabdix GNU/Linux • Skolelinux • Slavix • Slix • Slo-Tech Linux • Soyombo Mongolian Linux • SULIX • Tablix on Morphix • TiliX Linux • TupiServer Linux • Ubuntu Linux • UserLinux • WHoppiX • X-evian • Xfld • Xandros Desktop OS • Xarnoppix • ZoneCD • Zopix
The World of Debian Customizers

The most recognizable include:

- Knoppix
- Linspire/Lindows
- MEPIS
- Ubuntu
- UserLinux
- Xandros
Debian: *Ultra* Quick Facts

- Debian contains what is 15,000+ packages (and adding 5 each day);
- Debian consists of 1,000 official volunteers;
- Debian includes the work of many companies and organizations;
- Debian is 100% free software;
- Debian has very good package management;
One Size Does \textit{Not} Fit All
To Fork or Not To Fork
Goals of Customizers Overview

The goals and problems of customizers include:

- Custom software selection
- Custom software configuration
- Software replacement
- Custom installers/environments

Plus:

- Gain from others work
- Share your work
Selecting Packages

- Task packages
- Metapackages
- Debtags
Package Selection Details

• Meta-Packages

Source: userlinux-enterprise-desktop
Section: userlinux
Priority: optional
Maintainer: Bruce Perens <bruce@perens.com>
Standards-Version: 3.5.8
Package: userlinux-desktop
Architecture: all
Depends: bash, cupsys, cupsys-client, eclipse-sdk, epiphany, evolution, gaim,
gfax, gfaxviewer, gimp, gimp-data-extras, gimp-manual, gimp-perl, gimp-python,
gimpprint-doc, gimpprint-locales, gnome, gnome-control-center, gnome-core,
gnome-cups-manager, gnome-games, gnome-media, gnome-system-monitor, gnome-system-tools,
gnome-terminal, gnome-utils, gthumb, hylafax-client, hylafax-doc, hylafax-server,
kernel-image-2.6-386, mozilla, myspell-dictionary, oooqstart-gnome, openoffice.org,
openoffice.org-help, openoffice.org-hyphenation, openoffice.org-mimelnk,
openoffice.org-thesaurus, pan, planner, rhythmbox, samba, smbclient, smbfs, tomcat4,
totem, usermin-postgresql, wine, wine-doc, wine-utils, winesetuptk, x-tdcifont-conf,
xchat
Description: Installs the UserLinux desktop software packages.
UserLinux is a logical subset of the Debian system. Installing this package will cause all of the software packages that are a standard part of the UserLinux desktop system to be installed.

Debtags

Benjamin Mako Hill Barcelona LUG: Customizing Debian http://mako.yukidoke.org
Configuring Packages

• *Debconf* preseeding

• Low-priority (or unasked) *Debconf* Questions

• *cfengine* tweaks
Debconf Examples

The man and mandb programs can be installed with the set-user-id bit set, so that they will run with the permissions of the 'man' user. This allows ordinary users to benefit from the caching of preformatted manual pages ('cat pages'), which may aid performance on slower machines.

Cached man pages only work if you are using an 80-column terminal, to avoid one user causing cat pages to be saved at widths that would be inconvenient for other users. If you use a wide terminal, you can force man pages to be formatted to 80 columns anyway by setting MANWIDTH=80.

Enabling this feature may be a security risk, so it is disabled by default. If in doubt, you should leave it disabled.

Should man and mandb be installed 'setuid man'?

YES

```
-- Abraham Lincoln

WIT OF THE DAY:
No fortunes found
1214 13:38 kernels:2 sudo dpkg-reconfigure man-db
debconf: (Unable to load Snow -- is /usr/bin/perl installed?)
debconf: falling back to Frontend Dialog
1214 13:38 kernels:2 sudo dpkg-reconfigure man-db
1214 13:38 kernels:2 sudo dpkg-reconfigure man-db
Configuring man-db
```

The man and mandb programs can be installed with the set-user-id bit set, so that they will run with the permissions of the 'man' user. This allows ordinary users to benefit from the caching of preformatted manual pages ('cat pages'), which may aid performance on slower machines.

Cached man pages only work if you are using an 80-column terminal, to avoid one user causing cat pages to be saved at widths that would be inconvenient for other users. If you use a wide terminal, you can force man pages to be formatted to 90 columns anyway by setting MANWIDTH=90.

Enabling this feature may be a security risk, so it is disabled by default. If in doubt, you should leave it disabled.

Should man and mandb be installed 'setuid man'?

NO

```
Benjamin Mako Hill
Barcelona LUG: Customizing Debian
http://mako.yukidoke.org
```
editfiles:

{ $(ftp)/etc/passwd
  AutoCreate
  EmptyEntireFilePlease
  AppendIfNoSuchLine "ftp:x:$(uid):$(gid):Anonymous FTP:$(ftp):/
  bin/sync"
}

{ $(ftp)/etc/group
  AutoCreate
  EmptyEntireFilePlease
  AppendIfNoSuchLine "ftp::$(gid):
}

{ $(ftp)/etc/shadow
  AutoCreate
  EmptyEntireFilePlease
  AppendIfNoSuchLine "ftp:NP:6445:::
}
Replacing Packages

- Shared package repositories
- Version Control Magic
Creating Custom Installers/Environments

Examples:

• Progeny uses Anaconda, the Redhat installer, to install their Debian based system.

• Knoppix, Morphix, etc. are "Live" distributions meant to be run off a CD.
Summary

• **Problem:** Debian is great -- But can't be everything everyone wants it to be at once.

• **Answer:** Balance the global and local in creating infrastructure to:
  - Select software
  - Configure software
  - Replace software
  - Install and run software in different ways

• **Result:**
  - A complex and varied set of approaches.
  - A single united goal of inter-project and inter-distribution collaboration and *Total World Domination*. 