



debian

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CPLUG

2014-10-09

My history

Grew up on OS X

Linux in VMs for fun (Fedora, Arch, Debian...)

Got ThinkPad, installed Debian



Debian history

1993: Ian Murdock

1990s: Grew up

1999: First derivatives

2000: Knoppix

2004: Ubuntu



Debian philosophy

Open development (Debian Social Contract)

Free software* (Debian Free Software Guidelines)

Democracy (Debian Constitution)





\$ vrms

Non-free packages installed on gwaihir

firmware-iwlwifi	Binary firmware for Intel Wireless cards
firmware-linux	Binary firmware for various drivers in the Linux kernel
firmware-linux-nonfree	Binary firmware for various drivers in the Linux kernel
intel-microcode	Processor microcode firmware for Intel CPUs
skype	Wherever you are, wherever they are
virtualbox-guest-additions-iso	guest additions iso image for VirtualBox

Contrib packages installed on gwaihir

flashplugin-nonfree	Adobe Flash Player - browser plugin
iucode-tool	Intel processor microcode tool
ttf-mscorefonts-installer	Installer for Microsoft TrueType core fonts
virtualbox	x86 virtualization solution - base binaries
virtualbox-dkms	x86 virtualization solution - kernel module sources
virtualbox-qt	x86 virtualization solution - Qt based user interface

6 non-free packages, 0.3% of 2235 installed packages.

6 contrib packages, 0.3% of 2235 installed packages.



“The Universal Operating System”

Architectures: 13 official, 10+ unofficial

Kernels: Linux, FreeBSD, Hurd?

Packages: 37,500+



Debian releases

```
...  
lenny  
squeeze  
stable → wheezy  
testing → jessie  
unstable = sid
```



Debian package management layers

dpkg (.deb files)

apt (dependencies)

frontends



Debian package management

```
$ apt-get remove emacs  
$ apt-get install vim-gtk
```



Debian package management

```
$ apt-get remove emacs
```

```
$ apt-get install vim-gtk
```

```
$ aptitude remove emacs
```

```
$ aptitude install vim-gtk
```



\$ aptitude

```
Actions Undo Package Resolver Search Options Views Help
C-T: Menu ?: Help q: Quit u: Update g: Download/Install/Remove Pkgs
      Packages vim-gtk info
aptitude 0.6.11
i  --\ vim-gtk                2:7.4.430-1    2:7.4.430-1
Description: Vi IMproved - enhanced vi editor - with GTK2 GUI
  Vim is an almost compatible version of the UNIX editor Vi.

  Many new features have been added: multi level undo, syntax
  highlighting, command line history, on-line help, filename completion,
  block operations, folding, Unicode support, etc.

  This package contains a version of vim compiled with a GTK2 GUI and
  support for scripting with Lua, Perl, Python, Ruby, and Tcl.
Homepage: http://www.vim.org/

Tags: devel::editor, devel::lang:perl, devel::lang:python,
  devel::lang:ruby, devel::lang:tcl, implemented-in::c,
  interface::text-mode, interface::x11, role::program,
  scope::application, uitoolkit::gtk, uitoolkit::ncurses,
  use::editing, works-with::text, works-with::unicode,
  x11::application
Priority: extra
Vi IMproved - enhanced vi editor - with GTK2 GUI
```



```
$ apt-get moo
```

```
          (__)
          (oo)
         /-----\
        / |       ||
 *     /\----/\
        ~~      ~~
```

... "Have you mooed today?" ...

```
$ aptitude moo
```

There are no Easter Eggs in this program.



```
$ aptitude update  
$ aptitude upgrade  
$ dpkg -i skype.deb  
$ dpkg -L vim-gtk  
$ dpkg -S /etc/vim/vimrc
```

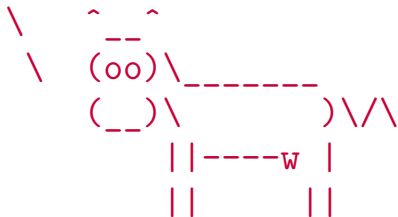


```
$ cowsay "Questions?"
```

```
-----  
< Questions? >
```

```
-----
```

```
  \      ^  ^  
  \      --  
  \      (oo)\_____
```



```
  \      ( _ )\      )\/\
```

The ASCII art cow has a pink body, a purple face with a white muzzle, and a purple horn. It is standing on four legs and looking towards the right.

