
Linux:

Personal Security

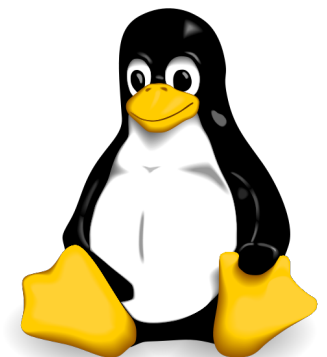
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What is Linux?

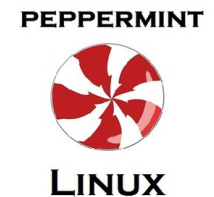
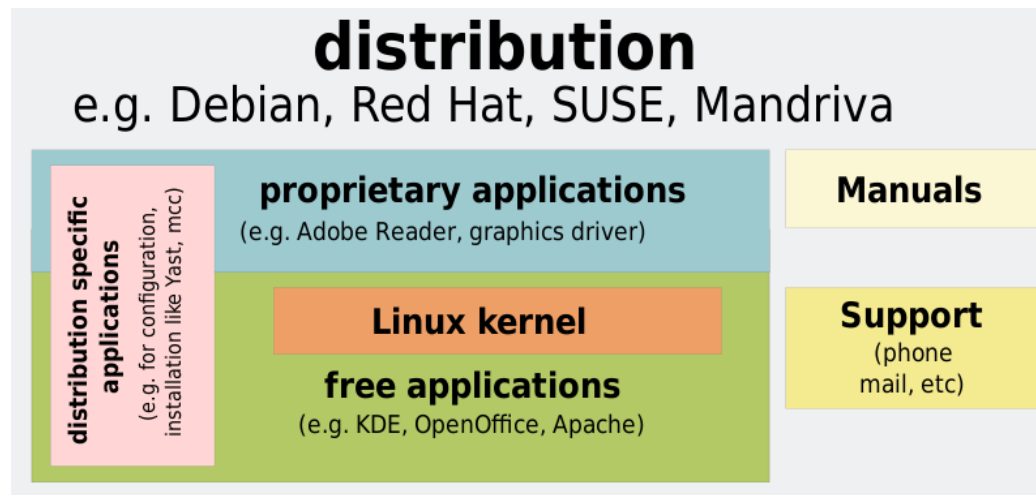
- Created by Linus Torvalds from Finland
- OS Alternative to Windows and Apple
- Android - Linux based
- 90% of top 500 supercomputers
- Companies: Google, eBay, IBM, Panasonic, Cisco, Pixar, Weta Digital, Novell, Amazon
- Government: DOD, FAA, Spain, Brazil, USPS, US Federal Courts

Tux - Linux mascot



Linux Distros

- 300 active development distributions
- Desktop, server, laptop, tablet



Interesting Linux distributions

- Pear Linux - like an Apple Mac
- Zorin - like Windows
- T(A)ILS - complete anonymity, uses TOR
- EasyPeasy - for netbooks
- Damn Small Linux (DSL) - 50 MB, for old PC
- CentOS - Red Hat Enterprise compatible
- Lightweight Portable Security - US Air Force

<http://distrowatch.com/>

Why use Linux?

- Open source & mostly free
- More secure
 - Small general public installed base ~ 2%
 - Linus' Law - "given enough eyeballs, all bugs are shallow."
- Scalable - embedded, up to supercomputers
- Easy to install
- Intuitive use

Linus Torvalds - Linux creator



Personal use of Linux

- Install on older computers
- Virtual OS in Windows or Macs
 - VirtualBox
- Smartphones, tablets, & netbooks
- Install in USB flash drives for:
 - Public computers
 - Laptops using public wireless routers



Linux on a stick

- Install on USB flash drive
- YUMI - Your Universal Multiboot Installer
www.pendrivelinux.com
- As small as 128 MB
- Persistent vs. non-persistent
- Access to local drives



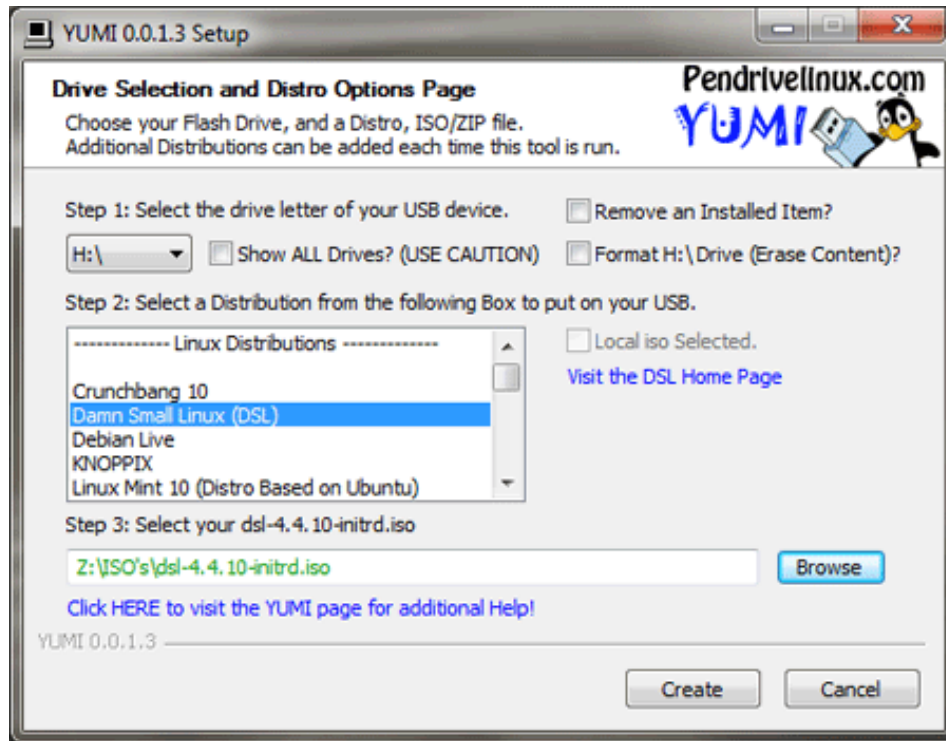
Installation requirements

- Formatted USB flash drive or hard disk
- USB bootable PC
- Windows XP or newer
- Latest YUMI
- Linux distribution ISO files



Linux installation on USB

1. Run YUMI & follow instructions



2. Format USB and choose distribution

3. Rerun YUMI to add another ISO or reboot

Links

- <http://www.linux.org/>
 - <http://en.wikipedia.org/wiki/Linux>
 - <http://www.linuxfoundation.org/>
 - <http://distrowatch.com/>
 - <http://www.pendrivelinux.com/>
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2:00 p.m., October 11, 2012

Bldg. 9C

