

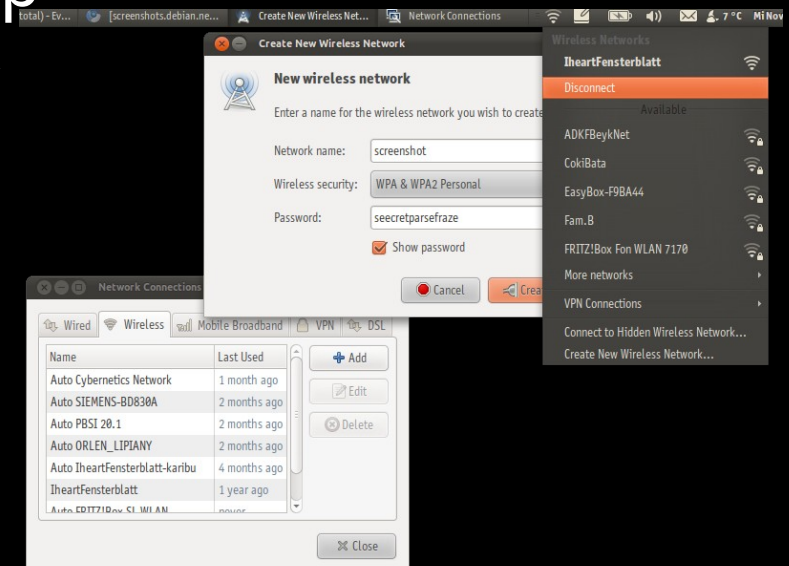
# GNOME Shell Introduction

Bin Li



# Me

- Canonical (2012–Now)  
PC, Laptop, Phone
- SUSE (2007–2012)  
NetworkManager
- Beijing GNOME User Group  
<http://www.bjgug.org/>
- GNOME.Asia committee



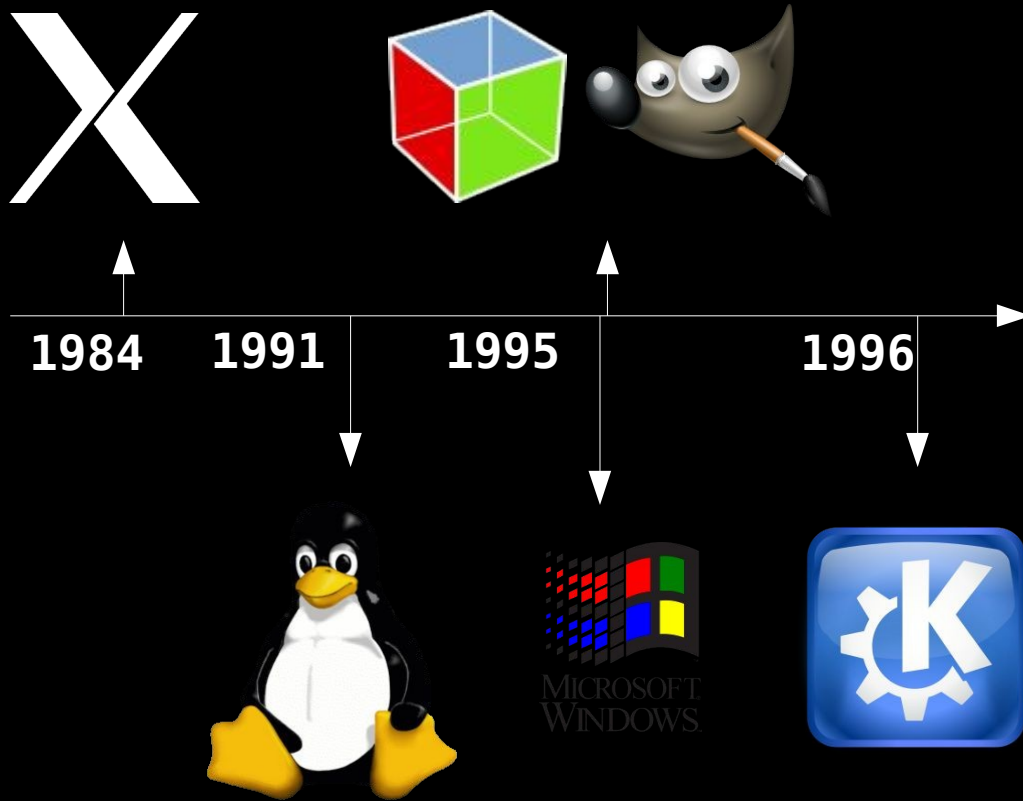


# Pronunciation

**GNOME** ( /g'noʊm/ )

<https://en.wikipedia.org/wiki/GNOME>

# Desktop History



*From:* Miguel de Icaza

*To:* gtk-list@redhat.com,  
kde@fiwi02.wiwi.uni-tuebingen.de,  
guile@cygnus.com

*Subject:* The GNOME Desktop project.

*Date:* Fri, 15 Aug 1997 22:19:34 -0500



The GNOME Desktop project  
(GNU Network Object Model  
Environment)

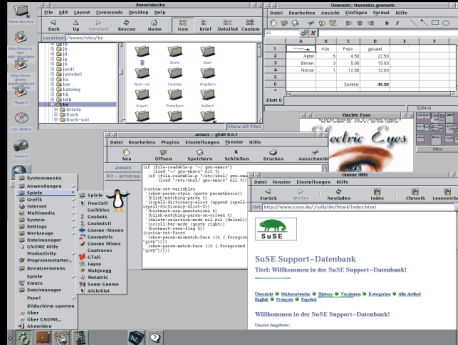
<http://bananoid.nuclecu.unam.mx/gnome>

## Goals:

We want to develop a free and complete set of user friendly applications and desktop tools, similar to CDE and KDE but based entirely on free software....



# Desktop History



GNOME  
GTK+

2006



GNOME  
2.32

GNOME Shell  
(3.0)

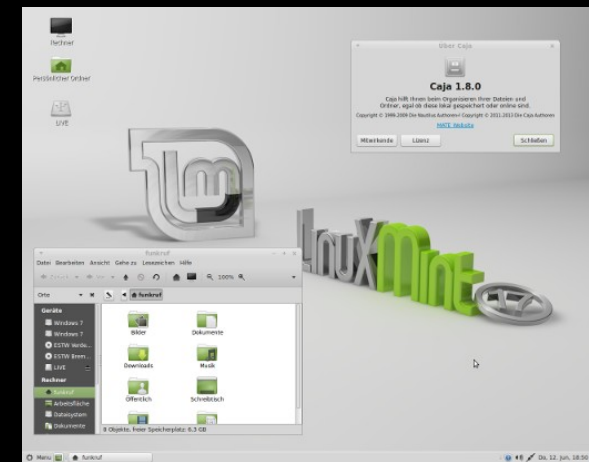


Cinnamon  
2012.1

GNOME  
3.34



2011.8 MATE



XFCE (GTK+ 2.x)

LXDE

2010.10

Unity



# GNOME?

- Desktop Environment
- Development Platform(GTK+, Qt)
  - C/C++
  - Python
  - JavaScript
  - Vala

# GNOME

- Window Manager (Mutter, Shell)
- File Manager (Nautilus, Sushi)
- Hardware (Bluetooth, Network, Disk, Power)
- Graphics (Gtk+, Clutter, St)
- Multimedia (Gstreamer, pulseaudio)
- IPC (D-Bus, Gsettings)



# GNOME

- Translation (damned lies, gtranslator)
- Tasks (Calendar, Notes, Tasks, Todo)
- Browser (Epiphany)
- Security (PolicyKit, seahorse, sandboxing)
- Messenger (empathy)
- System Setting (Control Center)
- Guide (Hig, wmspec, icons, thumbnails)

# Developer Tools

- terminal
- gedit
- anjuta
- Builder
- meld
- ghex
- gitg
- devhelp
- yelp
- gtk-doc
- nemiver
- gnome-boxes
- d-feet
- looking glass

# Extensions

- Customize GNOME Shell
- Advantages
  - Self-protection
  - Easy to debug and create new extension
  - Don't recompile the whole gnome shell

# hello-world extension

- `gnome-shell-extension-tool -create-extension`
- `Alt + F2 → r`
- `~/.local/share/gnome-shell/extensions/`







# **Become a friend of GNOME!**

**<https://www.gnome.org/getting-gnome/>**

**<https://wiki.gnome.org/Newcomers/>**

**<https://www.gnome.org/get-involved/>**



# Thank you!

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