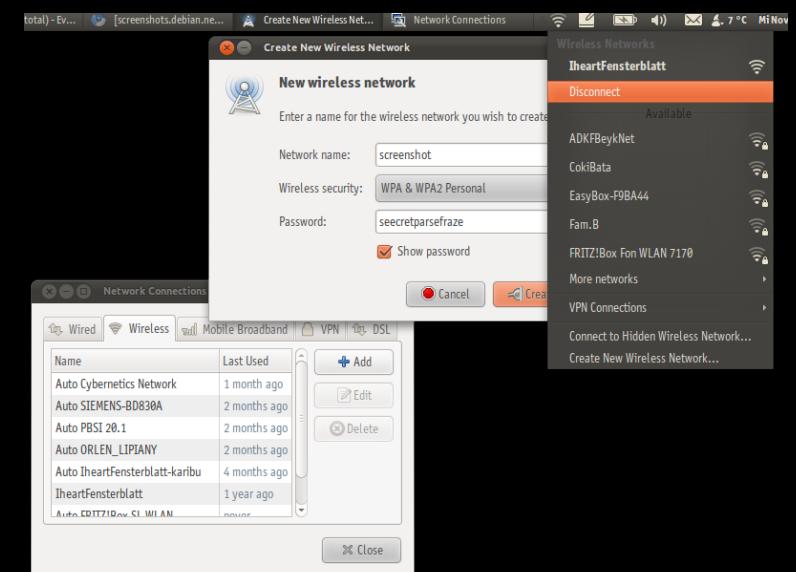




李彬 (Bin Li) @ COSCUP 2017

Me

- Canonical
 - PC, Laptop, Tablet, Phone
- SUSE
 - NetworkManager
- 北京 GNOME 用戶組
 - <http://www.bjgug.org/>
- GNOME.Asia 組委會成員



GNOME.Asia 2017 徵集講師

- 截止日期：8月15日
- <http://cn.mikecrm.com/nhrytIP>



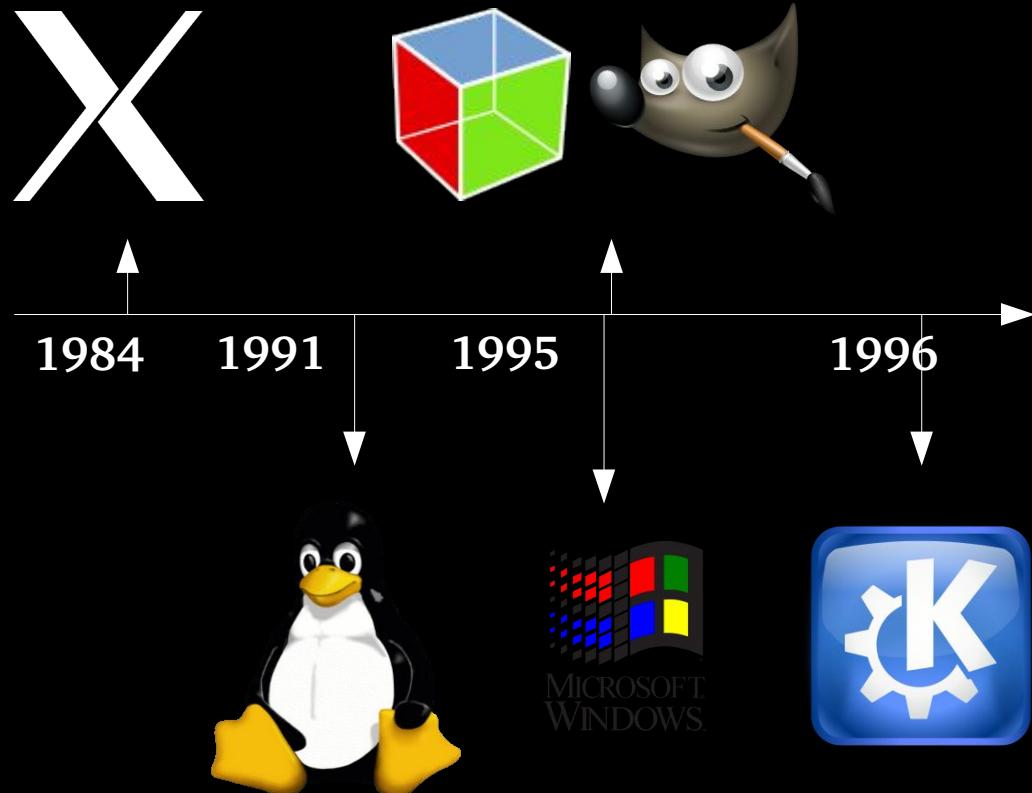


標準發音

GNOME (/g'noum/)

來自：<https://zh.wikipedia.org/wiki/GNOME>

桌面的歷史



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



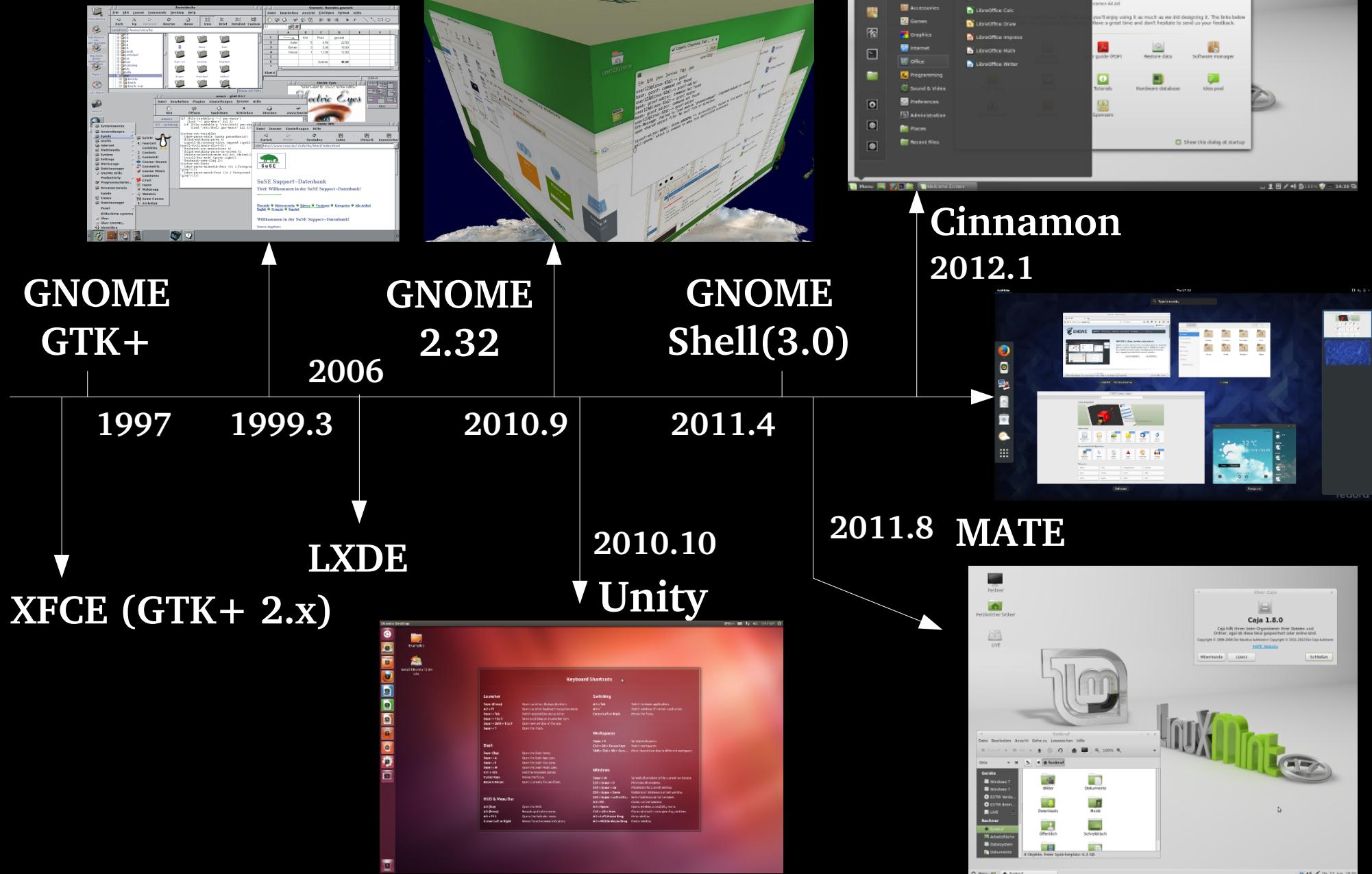
The GNOME Desktop project
(GNU Network Object Model
Environment)

<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....

桌面的歷史



桌面的歷史

2017



Ubuntu 18.04 To Ship with GNOME Desktop

GNOME 是什麼？

- 桌面環境
- 開發平臺 (GTK+, Qt)
 - C/C++
 - Python
 - JavaScript
 - Vala

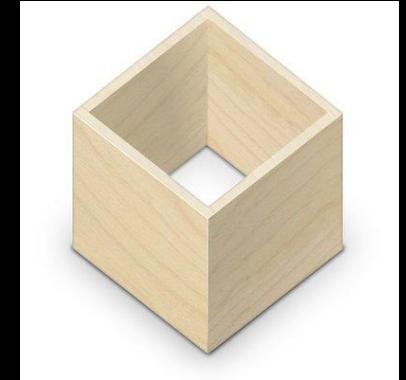
GNOME Shell 擴展機制

- 定制 GNOME Shell
- 優勢
 - 不用更改源代碼
 - 不用重新編譯
 - 容易使用，語法簡單
 - 自我保護，調試方便

Demo

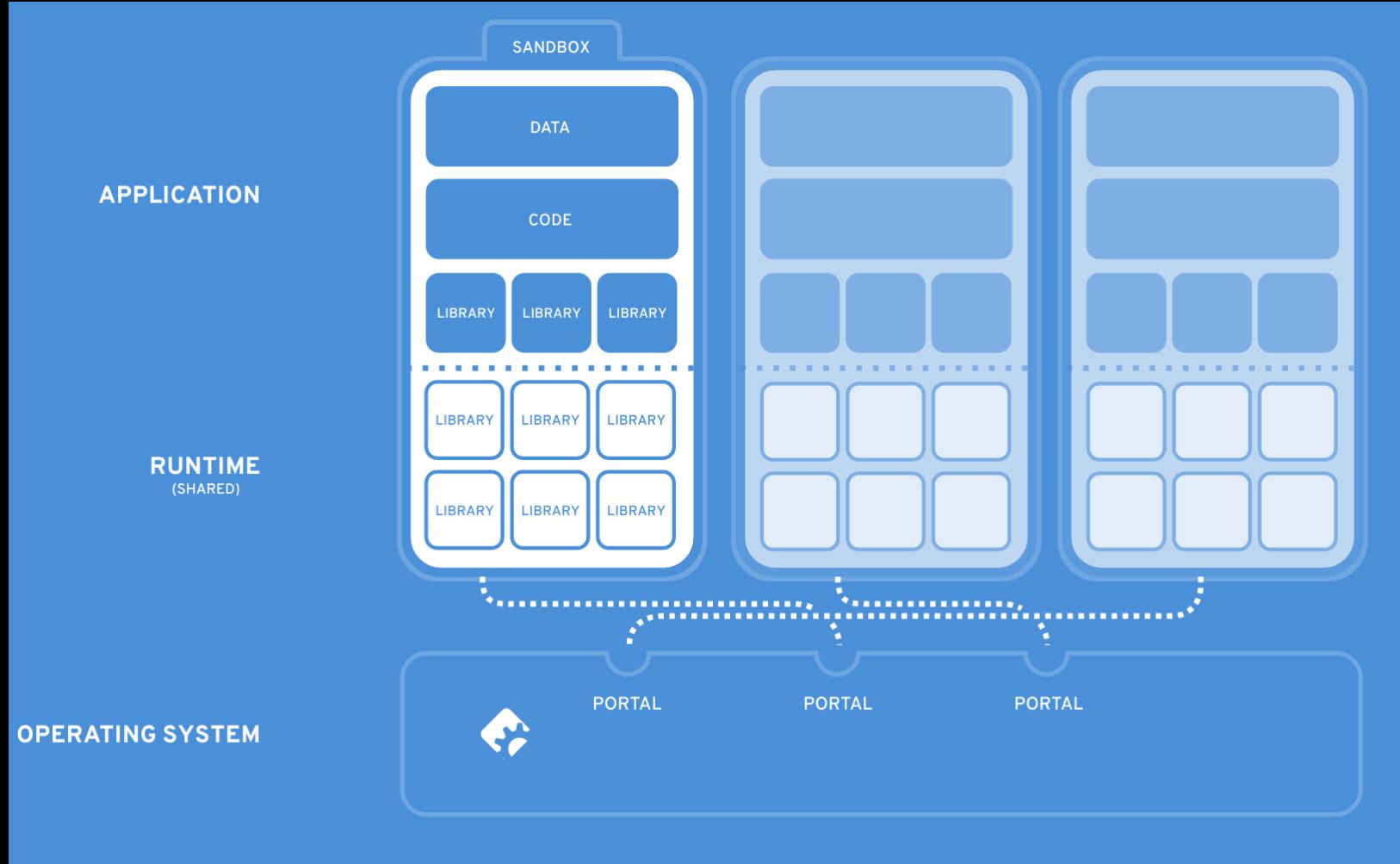
- gnome-shell-extension-tool –create-extension
- Alt + F2 → r
- `~/.local/share/gnome-shell/extensions/`

GNOME 的未來 Flatpak



- build once, run everywhere
- application developers are in control of the release cycle
- "Docker for desktop apps"

Flatpak 的架構



Demo

- \$ mkdir -p hello/files/bin
- \$ mkdir hello/export
- hello.sh

```
#!/bin/sh
```

```
echo "Hello world, from a sandbox"
```

- metadata

```
[Application]
```

```
name=org.test.Hello
```

```
runtime=org.gnome.Platform/x86_64/3.24
```

```
sdk=org.gnome.Sdk/x86_64/3.24
```

```
command=hello.sh
```

Demo

- flatpak build-export repo hello
- flatpak --user remote-add --no-gpg-verify tutorial-repo repo
- flatpak --user install tutorial-repo org.test.Hello

- flatpak run org.test.Hello



Thank you!

Bin Li

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www.bjgug.org

参考链接与图片链接

- <https://live.gnome.org/GnomeShell/Extensions>
- <https://blogs.gnome.org/jrb/2017/07/29/gnome-populum-est/>
- <http://flatpak.org/hello-world.html>
- <https://extensions.gnome.org>