



**Functionality, Security, Usability:  
Choose any two.**

**Or GNOME.**



# Philosophy behind GNOME



# Usability...



**... end user experience**



# Accessible & usable by everyone

- l10n
- i18n
- Accessibility
- Usability





## Romanian (ro)

Release	User Interface	Graph
GNOME 3.24 (development)	70% 34405 6906 7427	
GNOME 3.22 (stable)	72% 33156 5874 6771	
GNOME 3.20 (old stable)	74% 33655 5357 6028	
GNOME 3.18 (old stable)	77% 34015 4802 5353	
GNOME Infrastructure	78% 1184 101 225	
GIMP and Friends	60% 14053 1113 7925	
Extra GNOME Applications (stable)	53% 13048 2216 9010	
Extra GNOME Applications	51% 24767 7153 15760	
freedesktop.org (non-GNOME)	77% 2182 606 4725	



# Freedom







**Friends of GNOME donations**

\$19993.9. \$6 to go!

**Donate now!**

“Filtering out extraneous  
information is one of the basic  
functions of consciousness”  
— Barry Schwarz

freedom != choice

**IF YOU FORCE THE USER TO BE A  
PART OF A SECURITY SYSTEM**



**YOU'RE GONNA HAVE A BAD TIME**

Prompts are  
dubious

Security prompts are  
wrong

Interrupting the user  
to make a permanent  
security decision is  
**EVIL**

## Untrusted connection



**This connection is untrusted. Would you like to continue anyway?**

The identity provided by the chat server cannot be verified.

The certificate is self-signed.

### ▶ Certificate Details

Remember this choice for future connections

Cancel

Continue

The software is not signed by a trusted provider.



The software is not signed by a trusted provider.

Do not update this package unless you are sure it is safe to do so.

Malicious software can damage your computer or cause other harm.  
Are you **sure** you want to update this package?



Abrt found a new update which fix your problem. Please run  
before submitting bug: pkcon update --repo-enable=fedora --  
repo-repo=updates-testing tracker-0.14.1-1.fc17. Do you  
want to continue with reporting bug?

No

Yes

# Ellisons Law:

For every keystroke or click required to use a crypto feature the userbase declines by half.



610C	B252	37B3
70E9	EB21	08E8
9CEE	1B6B	059B
	598E	

# NOT SURE IF

B IS 8

# \*caffrc (/tmp) - gedit

X

File Edit View Search Tools Documents



```
# .caffrc -- vim:ft=perl:
# This file is in perl(1) format - see caff(1) for details.

$CONFIG{'owner'} = 'Username';
#$CONFIG{'email'} = '[user]@[domain]';
#$CONFIG{'reply-to'} = 'foo@bla.org';

# You can get your long keyid from
#   gpg --with-colons --list-key <yourkeyid|name|emailaddress..>
#
# If you have a v4 key, it will simply be the last 16 digits of
# your fingerprint.
#
# Example:
#   $CONFIG{'keyid'} = [ qw{FEDCBA9876543210} ];
# or, if you have more than one key:
#   $CONFIG{'keyid'} = [ qw{0123456789ABCDEF 89ABCDEF76543210} ];
#$CONFIG{'keyid'} = [ qw{0123456789abcdef 89abcdef76543210} ];

# Select this/these keys to sign with
#$CONFIG{'local-user'} = [ qw{0123456789abcdef 89abcdef76543210} ];

# Additionally encrypt messages for these keyids
```

**LET'S MAKE THEM USE  
BASE16, OCAML, AND PERL**

**FOR THEIR CRYPTO**



**I DON'T ALWAYS  
TARGET USERS**



**BUT WHEN I  
DO, IT'S ME**

Keysign

Keys Get Key

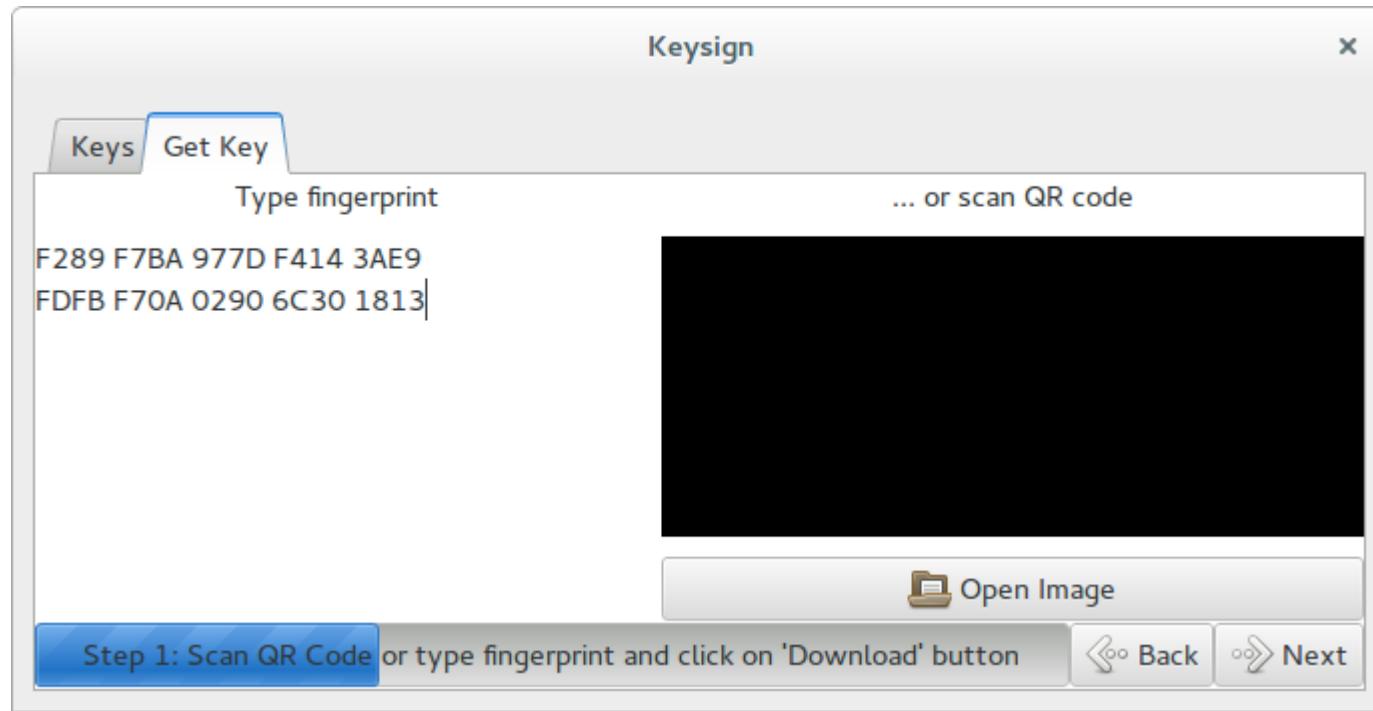
Back

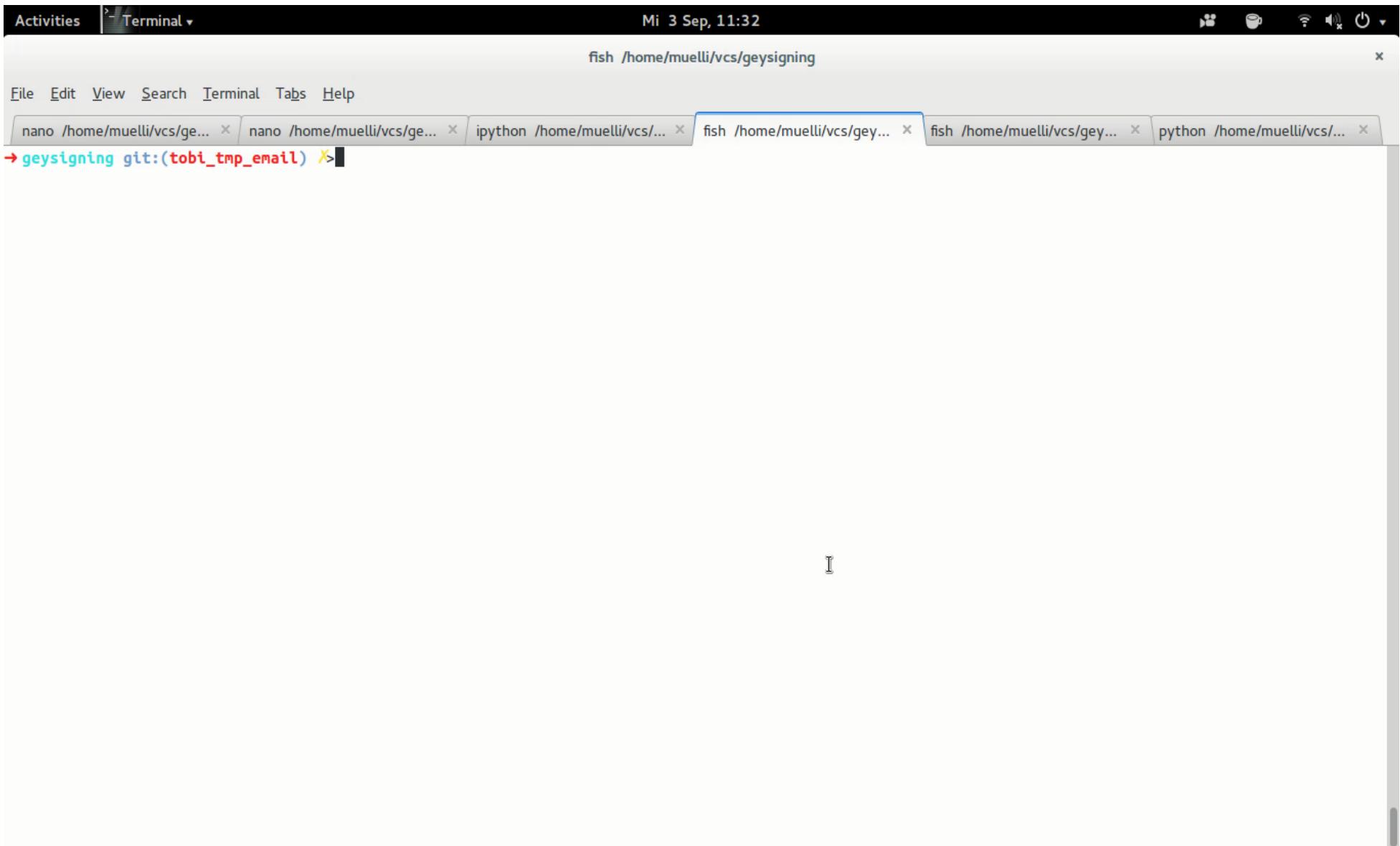
Key Fingerprint

F289 F7BA 977D F414 3AE9  
FDFB F70A 0290 6C30 1813

Fingerprint QR code







# USB Security



**When do you use USB?  
And when not?  
And who else uses your USB  
when you're not aware..?**







Scoring (via NVD)  
Fix Info (via NVD)  
CVE-Compatible Products

## News

Free Newsletter

## Community

CVE Editorial Board  
Board Discussion Archives

## Search the Site

Site Map



About 246 results (0.25 seconds)

### [CVE - CVE-2016-0133](#)

The **USB** Mass Storage Class driver in Microsoft Windows Vista SP2, Windows Server 2008 SP2 and R2 SP1, Windows 7 SP1, Windows 8.1, Windows Server ...  
<https://www.cve.mitre.org/cgi-bin/cvename.cgi?name=CVE-2016...>

### [CVE - CVE-2013-3200](#)

The **USB** drivers in the kernel-mode drivers in Microsoft Windows XP SP2 and SP3, Windows Server 2003 SP2, Windows Vista SP2, Windows Server 2008 SP2 ...  
[www.cve.mitre.org/cgi-bin/cvename.cgi?name=cve-2013-3200](http://www.cve.mitre.org/cgi-bin/cvename.cgi?name=cve-2013-3200)

### [CVE - CVE-2010-1083](#)

The processcompl\_compat function in drivers/**usb**/core/devio.c in Linux kernel 2.6.x through 2.6.32, and possibly other

## About CVE Identifiers

Reference Key/Maps  
Editorial Policies  
CVE Editor's Commentary  
Search Tips

## CVE-ID Syntax Change

CVE-ID Syntax Compliance  
CVE-ID Syntax Guidance  
CVE-ID Syntax Test Data

## ITEMS OF INTEREST

Terminology  
Common Vulnerability Scoring System (CVSS)  
Common Vulnerability Reporting Framework (CVRF)  
National Vulnerability Database (NVD)



This thumbdrive hacks computers. "BadUS...  
<http://arstechnica.com/security/2014/07/this-thumbdrive...>



x



MAIN MENU

MY STORIES: 25

FORUMS

SUBSCRIBE

JOB

Ars Technica has arrived in Europe. [Check it ou](#)

## RISK ASSESSMENT / SECURITY & HACKTIVISM

# This thumbdrive hacks computers. “BadUSB” exploit makes devices turn “evil”

Researchers devise stealthy attack that reprograms USB device firmware.

Loading "arstechnica.com"...

george@whatever: ~

File Edit View Search Terminal Help

>>sudo python usb\_inhibit.py



george@whatever: ~

File Edit View Search Terminal Help

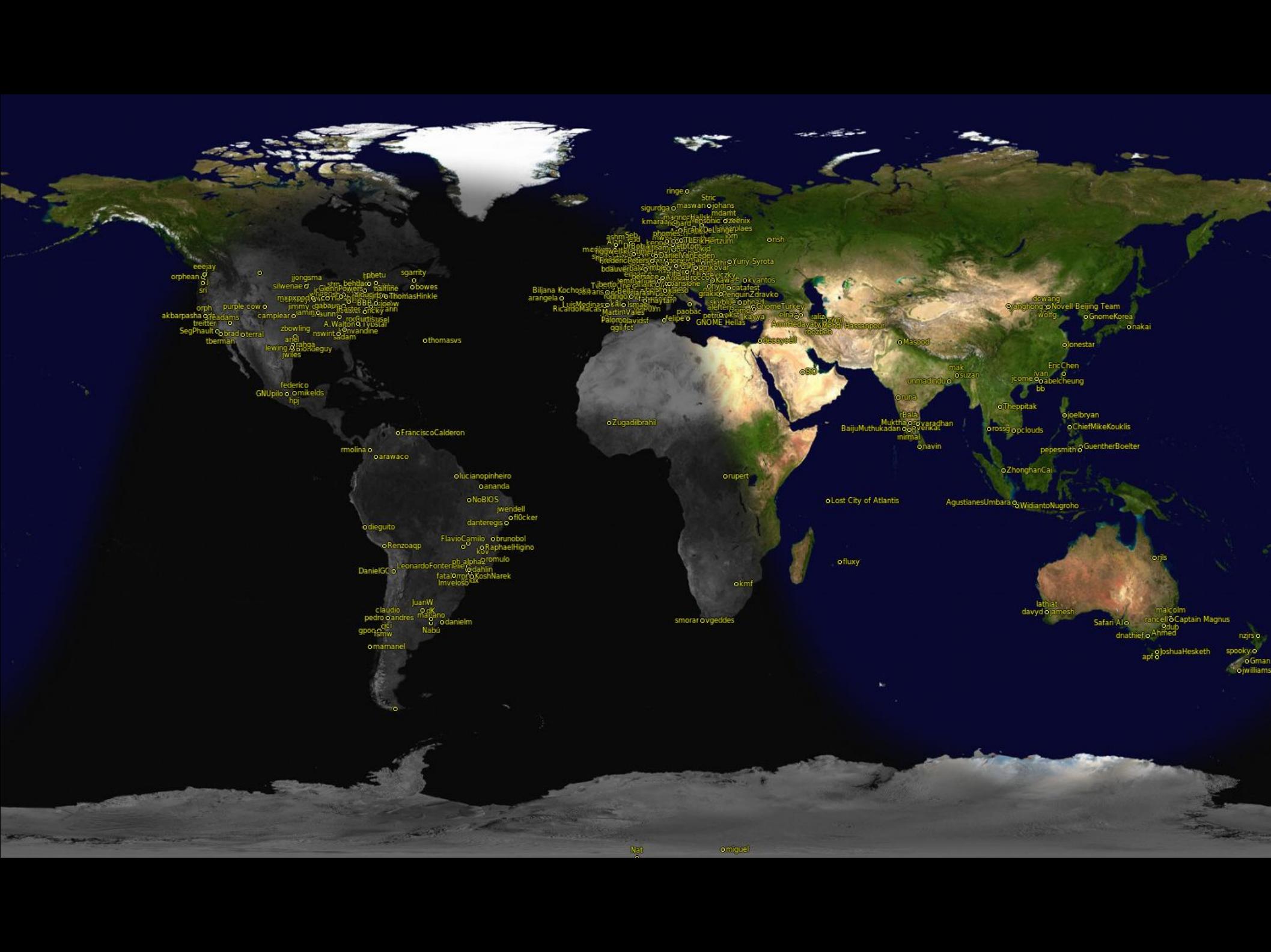
```
>>sudo python usb_inhibit.py -- allow 0x
```



Sb 11:02









**GNOME™**