

Wine or Leaving Windows Behind? Bring your apps with you!

Dan Kegel / Cebit 2009

Pay attention, there will be a quiz at the end!

Hyperlinked presentation online at www.kegel.com/cebit

The opinions expressed in this talk are my own, not my employer's.



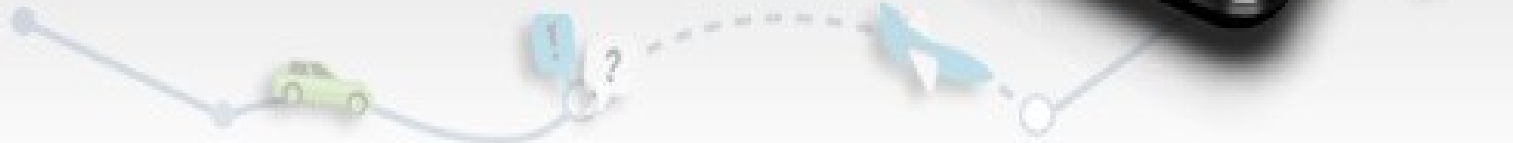
For most people, since about 1995,
computer = Windows



And Linux is thought of as
geeky and hard to use, if at all

The HP Mini 1000 Mi Edition:

SIMPLIFY
YOUR LIFE



So why does HP promote Linux
on the Mini Mi?



**DELL + UBUNTU
NOW THE CHOICE
IS YOURS**



FLUENDO



ubuntu

One of the most popular open source Operating Systems is now available through Dell - power your options and your system with ubuntu.

And why do 30% of Dell Minis run Linux?



ubuntu

linux for human beings

Because Linux is now easy to use,
thanks to projects like [Ubuntu](#)

InfoWorld

InfoWorld (Mar '09) says

*Desktop Linux:
Ready for the mainstream*

“I was struck by how XP-like Ubuntu 8.10 is. And that's a good thing. It took me very little time to find where standard functions are, given the similarities. In fact, it's a much easier transition [than Vista]”.



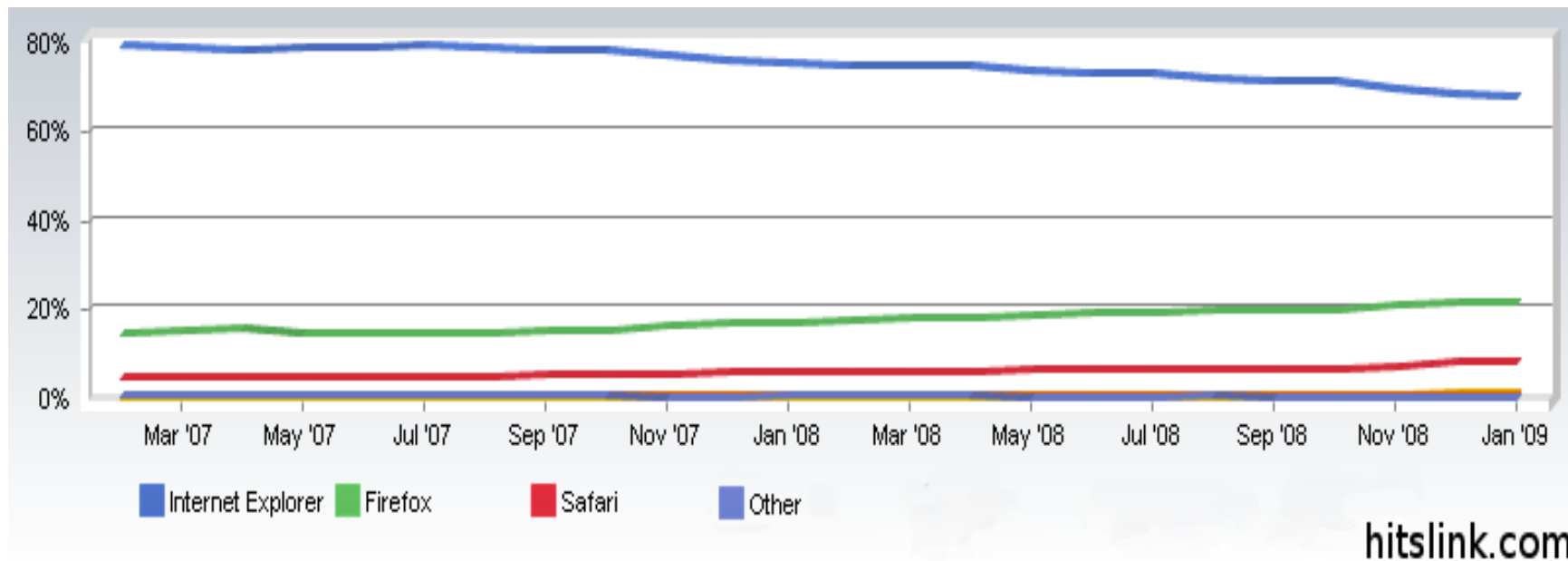
And OpenOffice has become a very usable
free office suite

PCWorld

PC World says (Mar 2009)

4 Ways to Save Money on Software

“OpenOffice can easily take the place of
Microsoft Office”



And Windows-only websites are now rarer thanks to great free browsers like Firefox



Moreover, Windows has issues.
Windows Vista doesn't fit on most netbooks



And Windows costs \$20-\$50,
which hurts a lot on laptops that sell for \$250



And Microsoft limits Windows netbooks to

1GB RAM, 1GHz CPU, 16 GB Flash

10.2" Screen, no DirectX 10

to protect sales of more expensive computers

SWITCH TO ICON VIEW



Memory

512MB DDR2 at 533MHz

- 512MB DDR2 at 533MHz [Included in Price]
- 1GB DDR2 at 533MHz [add \$25]



Hard Drive

8GB Solid State Drive

- 8GB Solid State Drive [Included in Price]
- 16GB Solid State Drive [add \$40]



External Optical Drive

Inspiron Mini 9

Starting Price \$319
 Instant Savings \$20

Subtotal \$299

As low as \$15/month*¹
[Apply](#) | [Learn More](#)

[Discount Details](#)

[Preliminary Ship Date: 3/23/2009](#)

[Print Summary](#)

My Components

• Genuine Windows® XP Home Edition

SWITCH TO ICON VIEW



Memory

512MB DDR2 at 533MHz

- 512MB DDR2 at 533MHz [Included in Price]
- 1GB DDR2 at 533MHz [add \$25]
- 2GB DDR2 at 533MHz [add \$75]



Hard Drive

8GB Solid State Drive

- 8GB Solid State Drive [Included in Price]
- 16GB Solid State Drive [add \$40]
- 32GB Solid State Drive [add \$85]
- 64GB Solid State Drive [add \$115]

Inspiron Mini 9

Starting Price \$284
 Instant Savings \$20

Subtotal \$264

As low as \$15/month*¹
[Apply](#) | [Learn More](#)

[Discount Details](#)

[Preliminary Ship Date: 3/23/2009](#)

[Print Summary](#)

My Components

- Ubuntu Linux version 8.04.1
- Obsidian Black
- 1 Yr Ltd Warranty and Mail-In Service
- 512MB DDR2 at 533MHz

The restrictions are not subtle



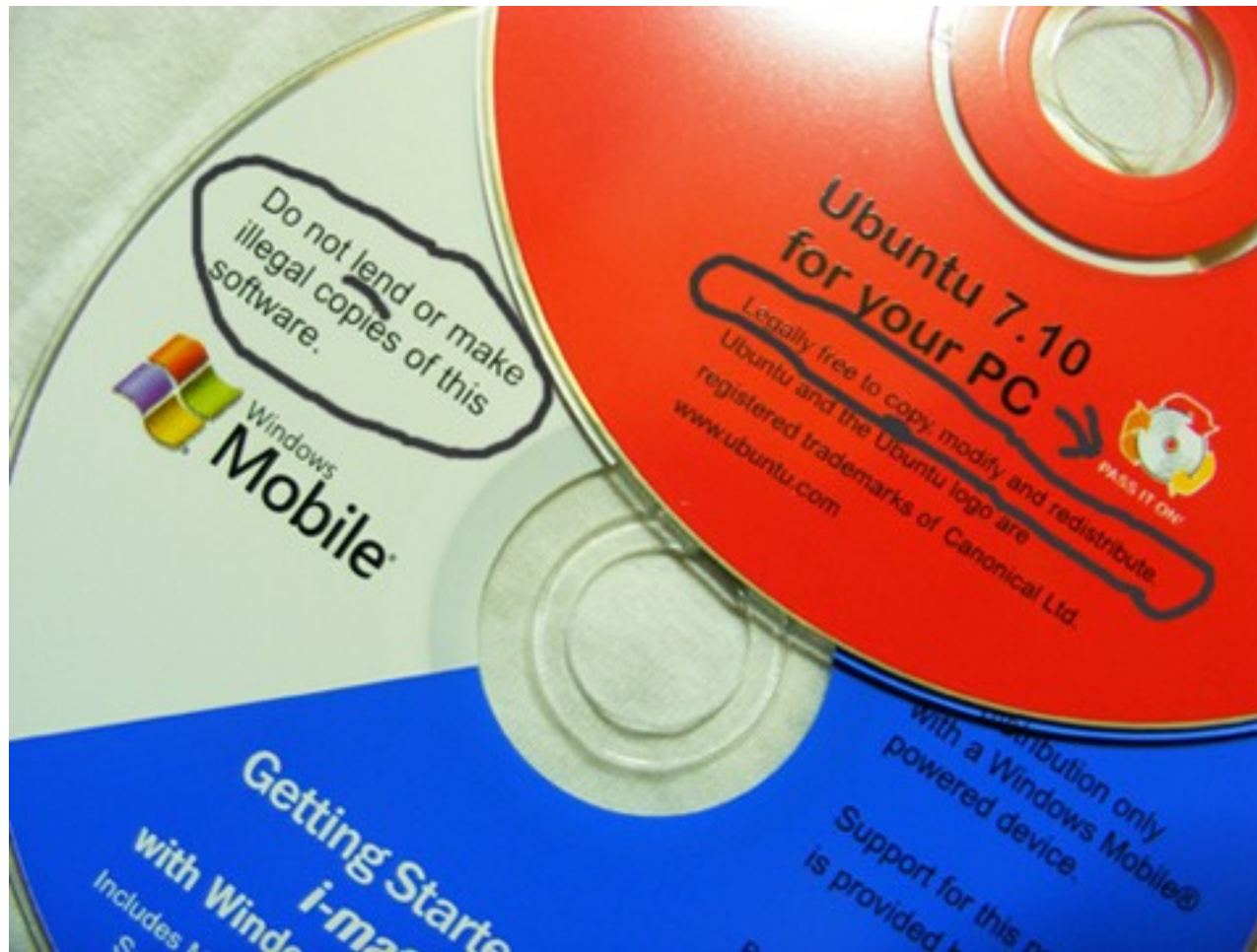
Now that HP and Dell have chosen Linux, should *you* try it?



Linux comes with thousands of apps
and free updates



You're free to install Linux
wherever and whenever you like



You're even encouraged to share
Linux with your friends



Any programmer in the world can
fix or improve Linux



Linux upgrades never forced
New versions of Ubuntu always free

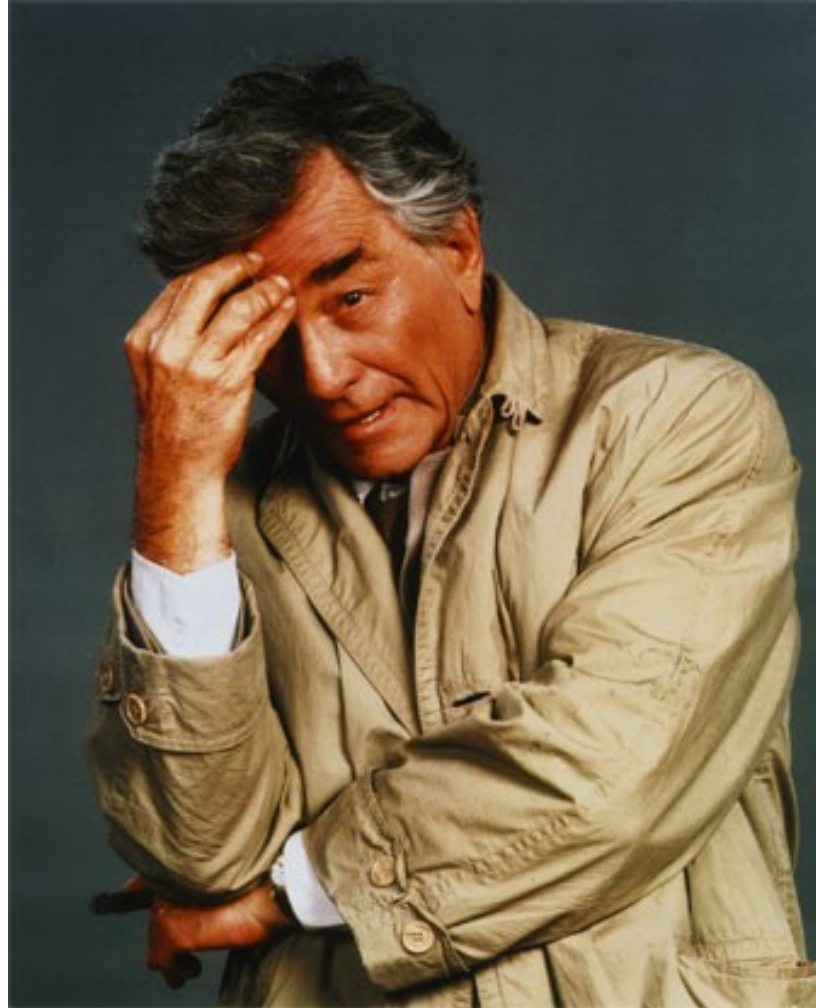


Linux has ~1% as many viruses
(source: netlux.org)

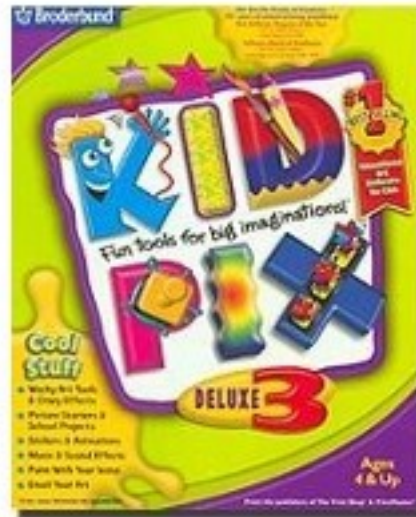
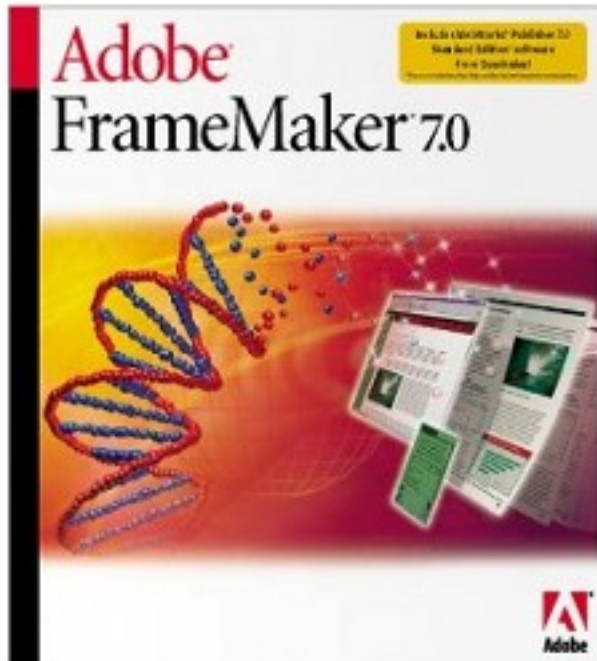


Munich, Niedersachsen, France, Spain,
China, Russia, and Brazil
are using desktop Linux

Reasons: flexibility, independence, cost



OK, I'm convinced, I should try Linux.
But there's just one more thing:



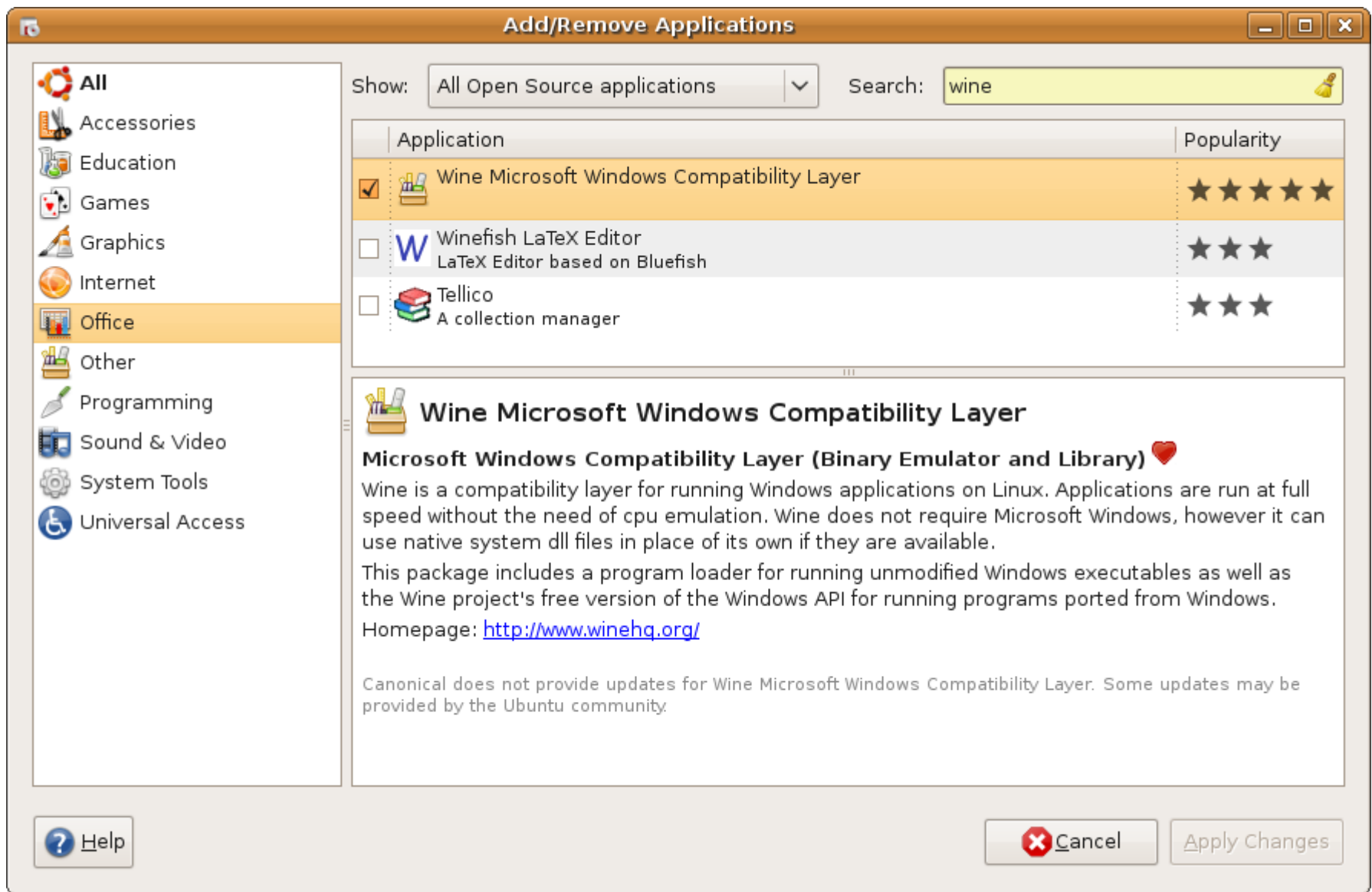
I need this one app, can I take it with me?



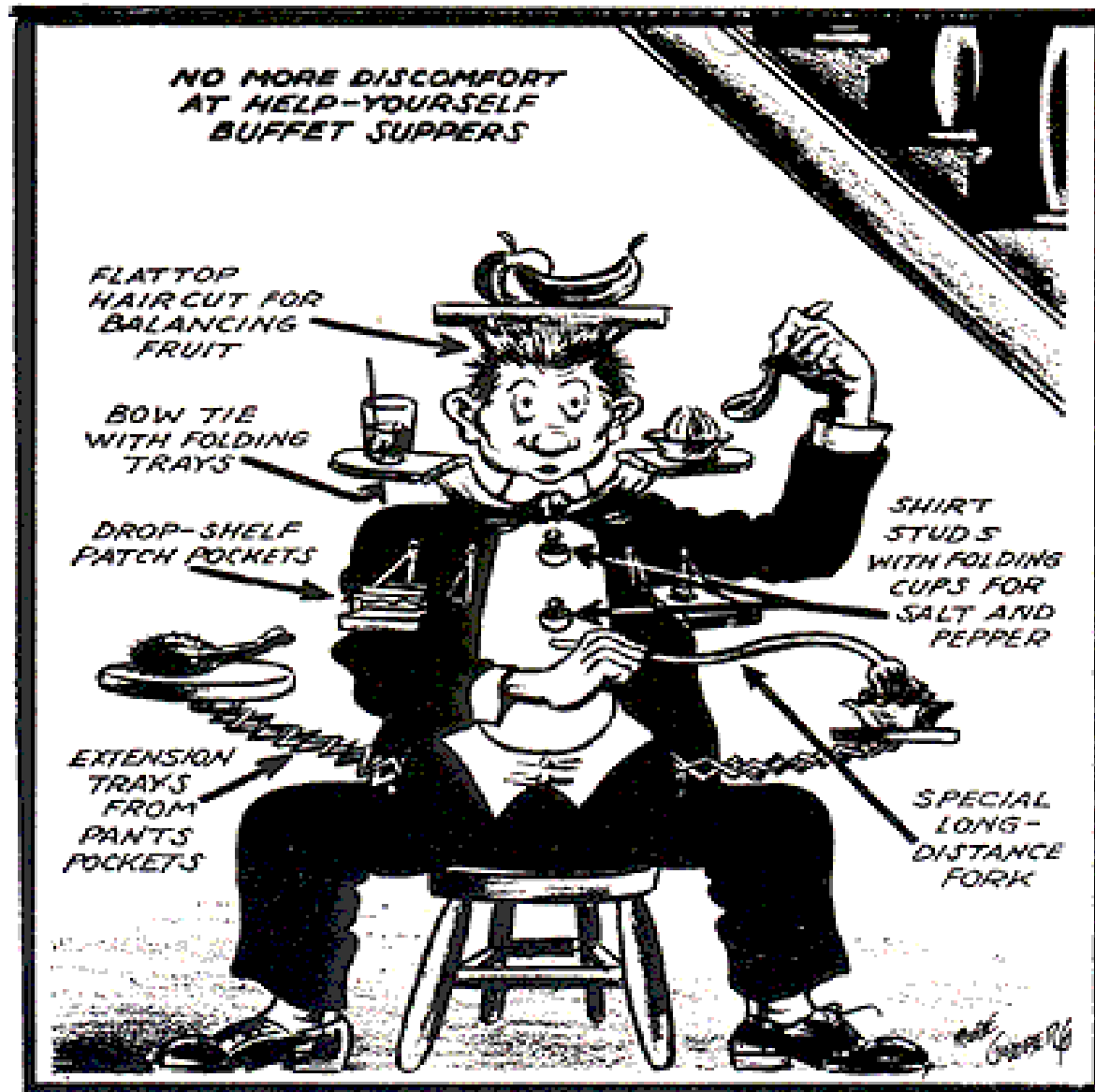
You could use VMWare and Windows,
but then you still have to deal with Windows
licensing and upgrades



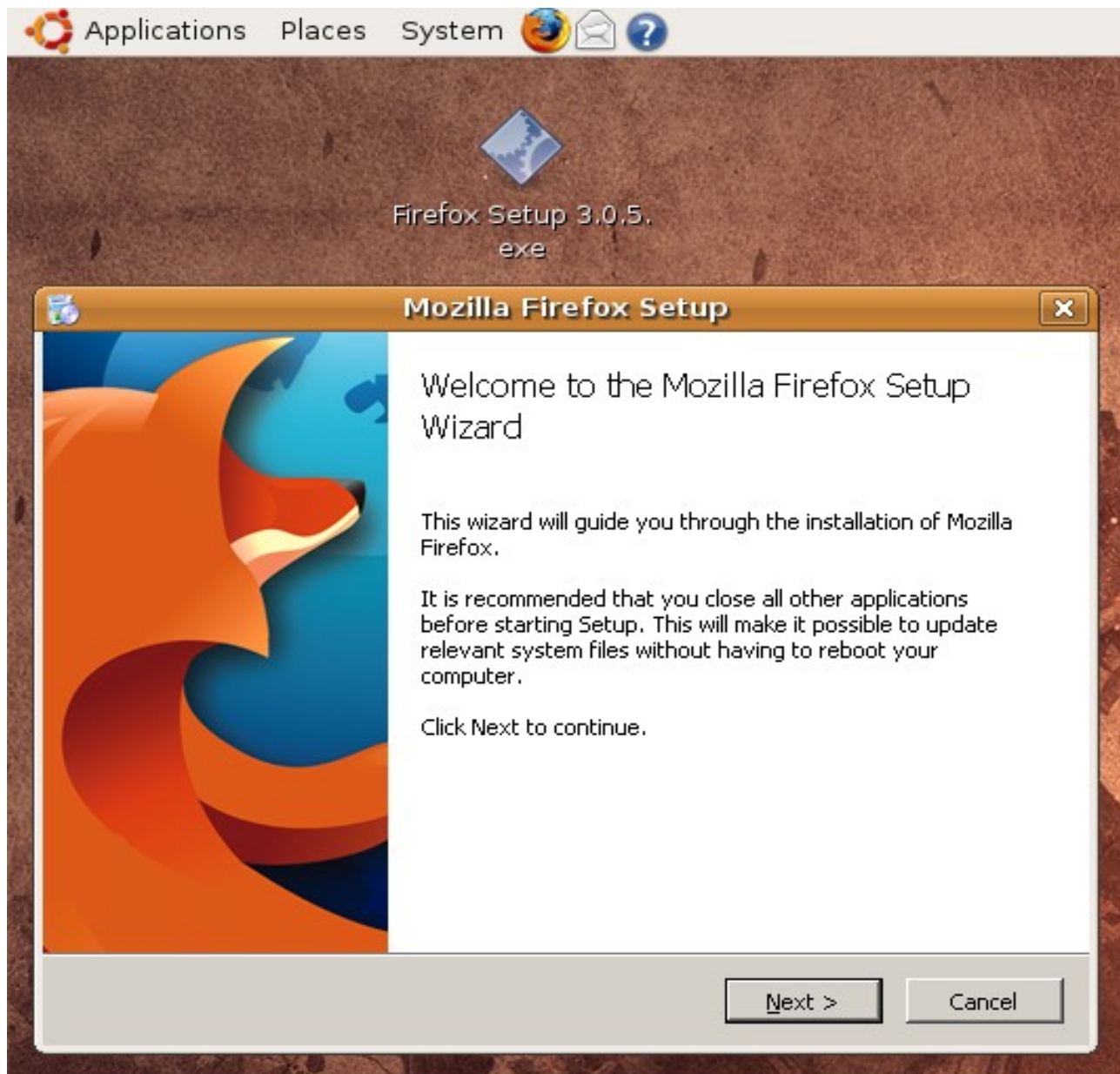
If Linux is a free clone of Unix,
can't it be a free clone of Windows, too?



Yes! With Wine, Linux now runs many apps.
Just add it in "Add/Remove Applications"



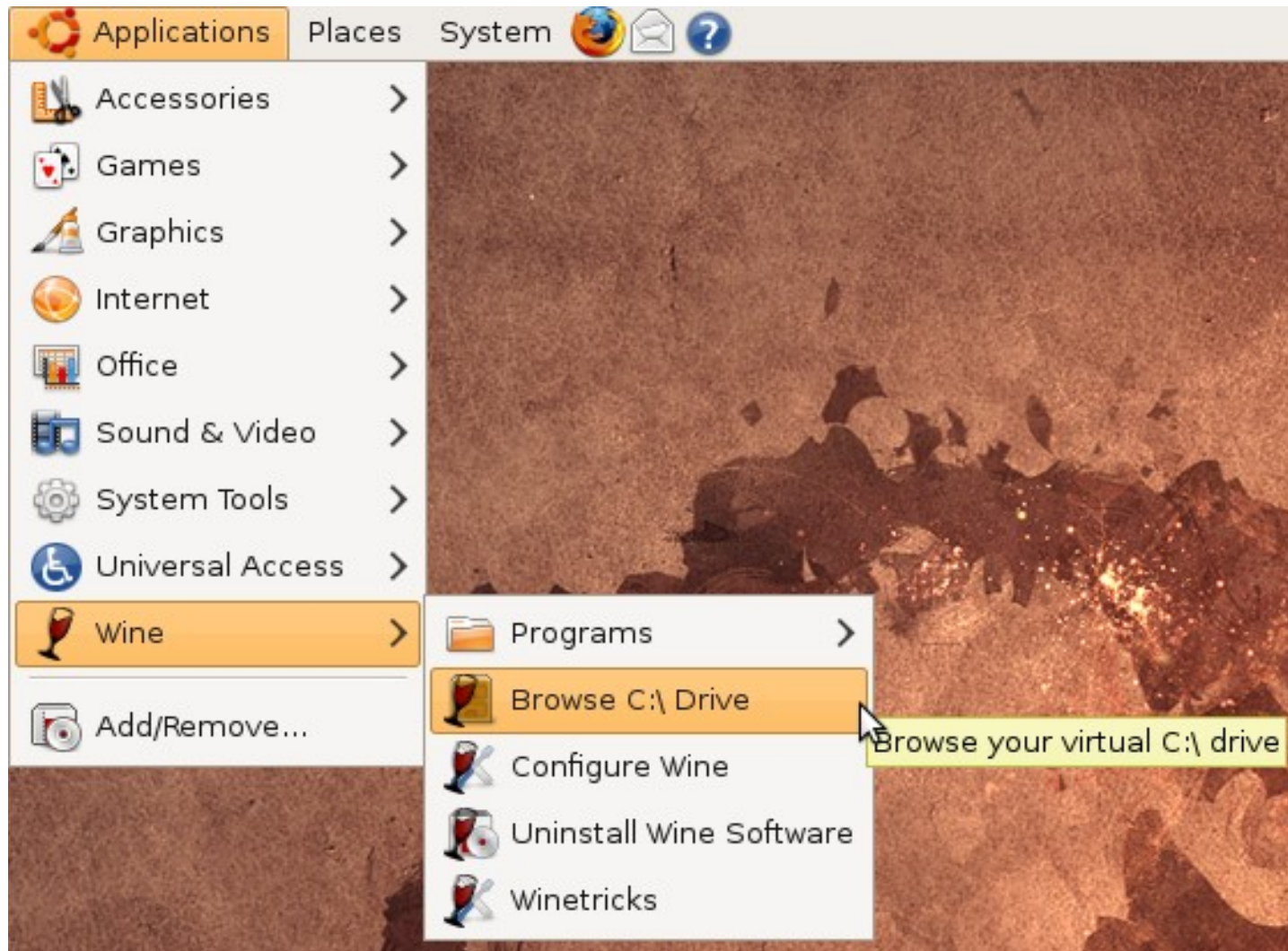
But isn't Wine complicated to use?



**No! To install a Windows app,
just double-click its installer**



The app then shows up in the menu



And its files show up in wine's C: directory



Here's what Firefox's files look like



Wine is a work in progress

WineHQ.org is where to go for support

WineHQ - Microsoft Powerpoint - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://appdb.winehq.org/objectManager.php?sClass=aj

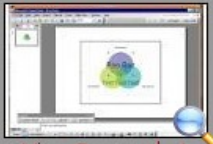
WineHQ Wiki **AppDB** Bugzilla Forums

Search: Google Custom Search

WINEHQ
Microsoft Powerpoint

Category: [Main](#) > [Productivity](#) > [Presentation](#) > Microsoft Powerpoint

Name Microsoft Powerpoint
Vendor [Microsoft](#)
URL <http://www.msoffice.com>


[View Screenshot](#)

Description
[Microsoft Powerpoint](#) allows you to create slideshows with animation and sound.

AppDB
Home
Screenshots
Browse Apps
Browse by Developer
Top 25
Submit App
Help
Statistics
Distributions (345)
Email Us

User Menu
Log in
Register

Super maintainers:
• [Rosanne](#)

Version	Description	Rating	Wine version	Test results	Comments
'95				0	0
'97	1997 version.	Silver	1.1.15	1	0
2000		Gold	0.9.46.	1	1
2002/XP	Part of Office XP			0	0
2003	Powerpoint 2003	Silver	1.1.13	5	0
2007	Part of Office 2007.	Silver	1.1.14	3	2

Done

Wine's **App Database** is your friend
Check here before trying a new app

WineHQ - Microsoft Powerpoint 2007 - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://appdb.winehq.org/objectManager.php?sClass=version&ilc

WineHQ Wiki **AppDB** Bugzilla Forums

WINEHQ
Microsoft Powerpoint 2007

Search: Google Custom Search

Category: [Main](#) > [Productivity](#) > [Presentation](#) > [Microsoft Powerpoint](#) > [2007](#)

Name	Microsoft Powerpoint
Version	2007
License	Retail
URL	http://www.msoffice.com
Votes	0 Vote
Rating	Silver
Wine Version	1.1.14

Description

Part of Microsoft Office 2007. This entry is just for Powerpoint, not the installer.

Selected test results (selected in 'Test Results' table below)

What works
Installing (academic trial office 2007), activating, showing existing presentation

What does not
Nothing I've tried so far

What was not tested
Anything beyond displaying existing simple presentation

Additional Comments
Before using the app, run winecfg and do Libraries / riched20 / Add / OK, else powerpoint will crash on startup. (This is bug 14980.) The app would be gold or platinum if not for that.

AppDB

- Home
- Screenshots
- Browse Apps
- Browse by Developer
- Top 25
- Submit App
- Help
- Statistics
- Distributions (343)
- Email Us

User Menu

- Logout

Done

The appdb says **Powerpoint 2007** needs a configuration tweak and wine-1.1.14 or later

WineHQ - Wine Binary Downloads - Mozilla Firefox

File Edit View History Bookmarks Tools Help

http://winehq.org/download/

WineHQ Wiki AppDB Bugzilla Forums

WINE^{HQ}
Download Wine for your favorite OS here.

Search: Google™ Custom Search

Wine Downloads

Supported Wine

Product	Description
	CrossOver is a polished version of Wine provided by CodeWeavers . CrossOver makes it easier to use Wine and CodeWeavers provides excellent technical support to its users. All purchases of CrossOver are used to directly fund the developers working on Wine. So CrossOver is both a great way to get support in using Wine and to support the Wine Project. CodeWeavers provides fully functional trial versions of CrossOver .

This endorsement is the primary recognition that CodeWeavers has requested in exchange for hosting the Wine web site.

Wine Binary Downloads

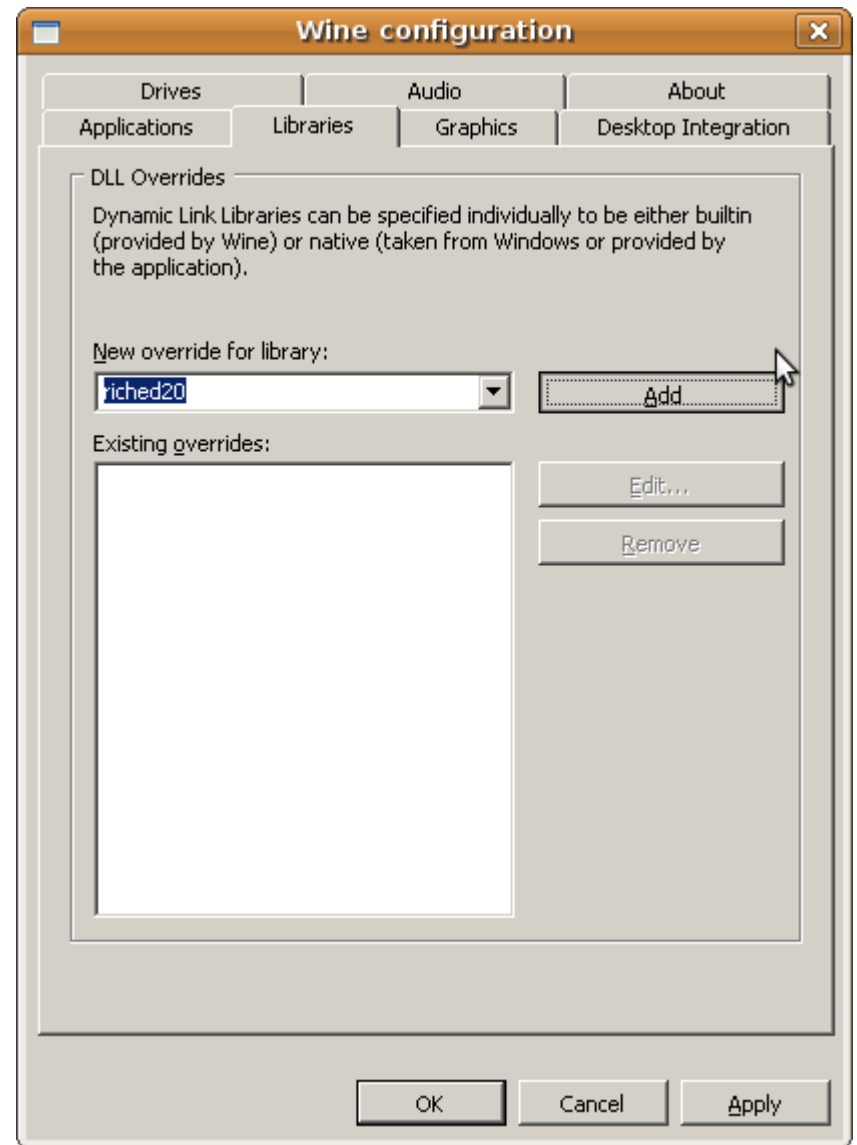
Latest stable release: Wine 1.0.1
Latest development release: Wine 1.1.15

See the [installation and configuration how-to](#) for post-installation instructions.

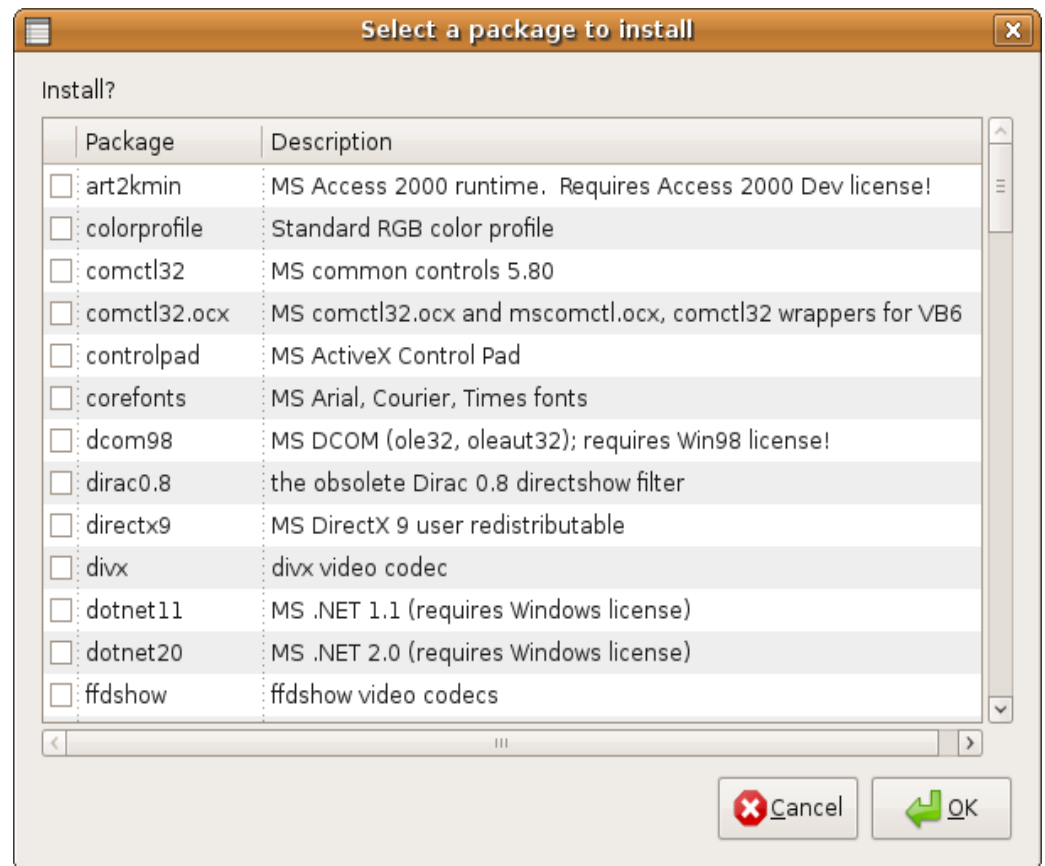
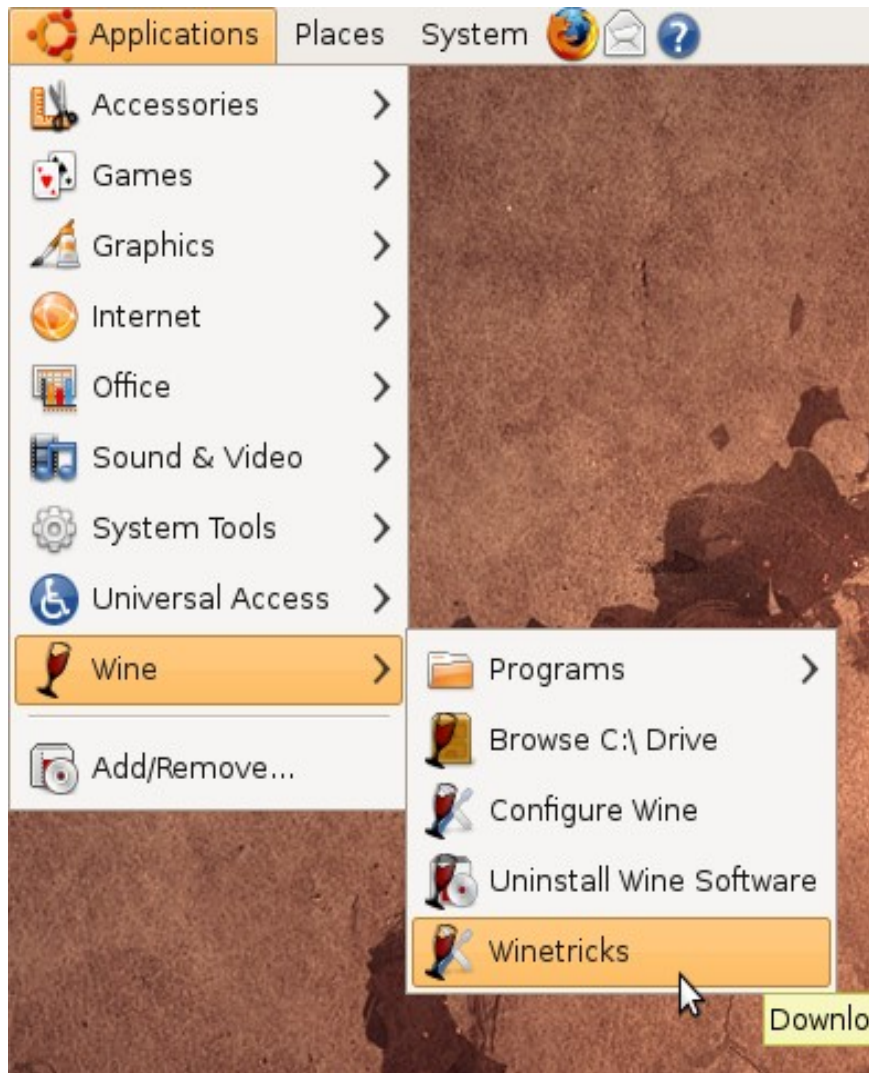
System	Notes	Maintainer
	Ubuntu binary and source .debs for Ubuntu Hardy (8.04) and Intrepid (8.10)	Scott Ritchie

Done

Newer versions of Wine can be downloaded from winehq.org



Tweaks are done with **Winecfg**
Six mouse clicks and one word later,
Powerpoint is happy



Missing libraries or fonts can be installed
with **Winetricks**



Wine is free?
How can that work?
What's Wine's business model?
Is it made by [Heinzelmänner](#)?



A few dozen large customers and many volunteers are enough to sustain Wine



The Wine team is dozens of volunteers plus ~10 paid programmers

Selected user-sponsored improvements

1998: Corel – WordPerfect

2000: Borland – Kylix

2001: Lindows – Office 2000

2003: Disney – Photoshop 7

2004: Gupta – Team Developer

2005: Google – Summer of Code

2006: Google – Picasa

2008: Google – Photoshop CS2/CS3

Every time a large user sponsors bug fixes,
Wine grows stronger. Thanks!



So who should try Wine?



Don't try Wine yet if you need:

Win64 (2009Q4?)

Direct3D 10 (2009Q4?)

USB dongles (patch available)

WPF / XAML (not started)

If

you need **dozens** of apps to work perfectly

or

you **don't** want to help track down problems

then

Wine probably **isn't** ready for you

If

you need **a few** apps to work perfectly

and

you **are willing** to help track down problems

then

Wine might be ready for you

But first, try to switch from Windows apps



to open source or Web apps



because direct support is always better



What if something goes wrong?

Free support options
(forums, chat, FAQ, doc, wiki, bug tracker):

Wine: [**www.winehq.org/help**](http://www.winehq.org/help)

Ubuntu Linux: [**help.ubuntu.com**](http://help.ubuntu.com)

Or any Linux user group

Commercial paid support options:

Wine: **codeweavers.com/support** or
codeweavers.com/services

Ubuntu Linux: **ubuntu.com/support** or
canonical.com/services

Or any Linux support vendor



Case studies

Kindl & partneři
Advokátní kancelář
Chomutov, Czech Republic

Computers: 10

Native Apps: Firefox, OpenOffice

Wine apps: **ASPI** (Czech legal software)

Mobile County District Attorney

Mobile, Alabama

Computers: 200 (MacOSX)

Wine apps: IE6, media players

Uses commercially supported Wine

Engaged Codeweavers to improve codec support



Xavier School

Manila, Philippines

Computers: 600

Native Apps: Firefox, OpenOffice, Notes

Wine apps: **Winplot** + custom VB6 apps



City of Munich

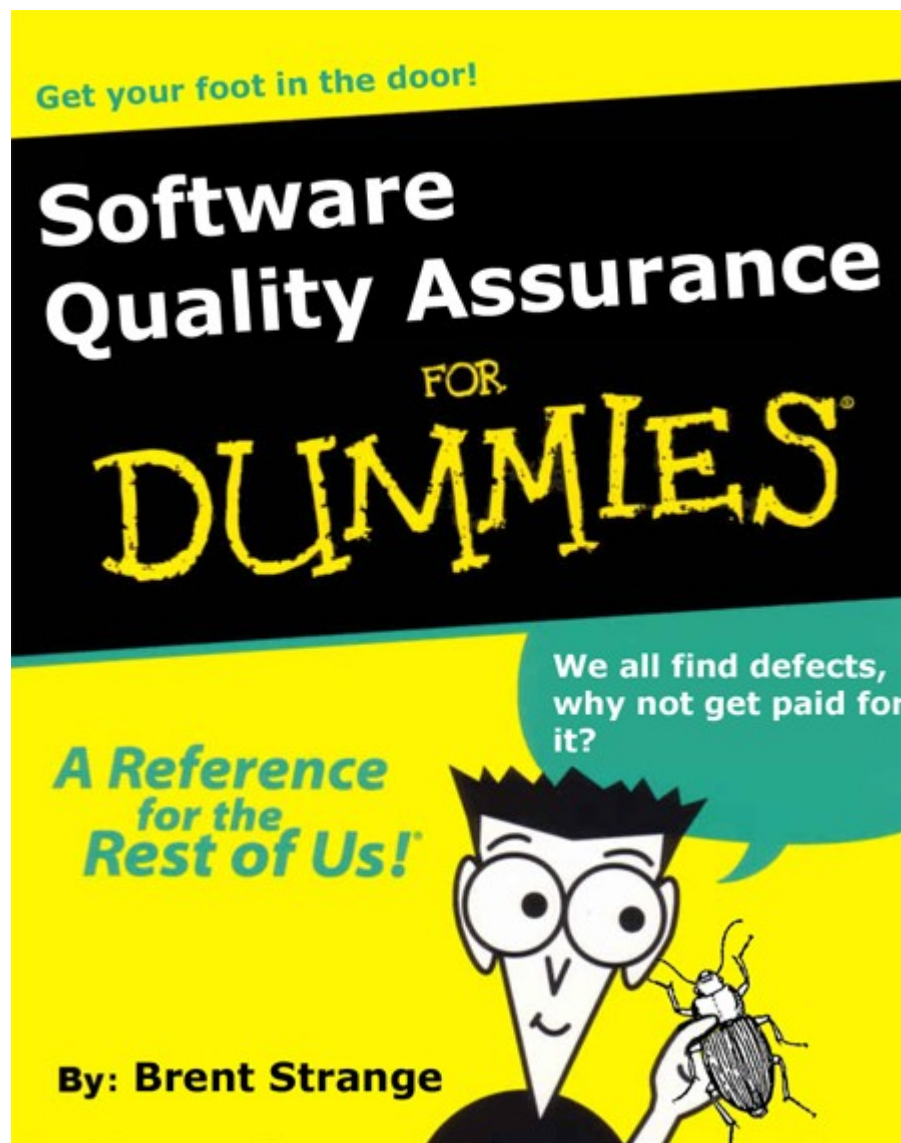
Germany

Computers: Windows(12800), Linux(1200)

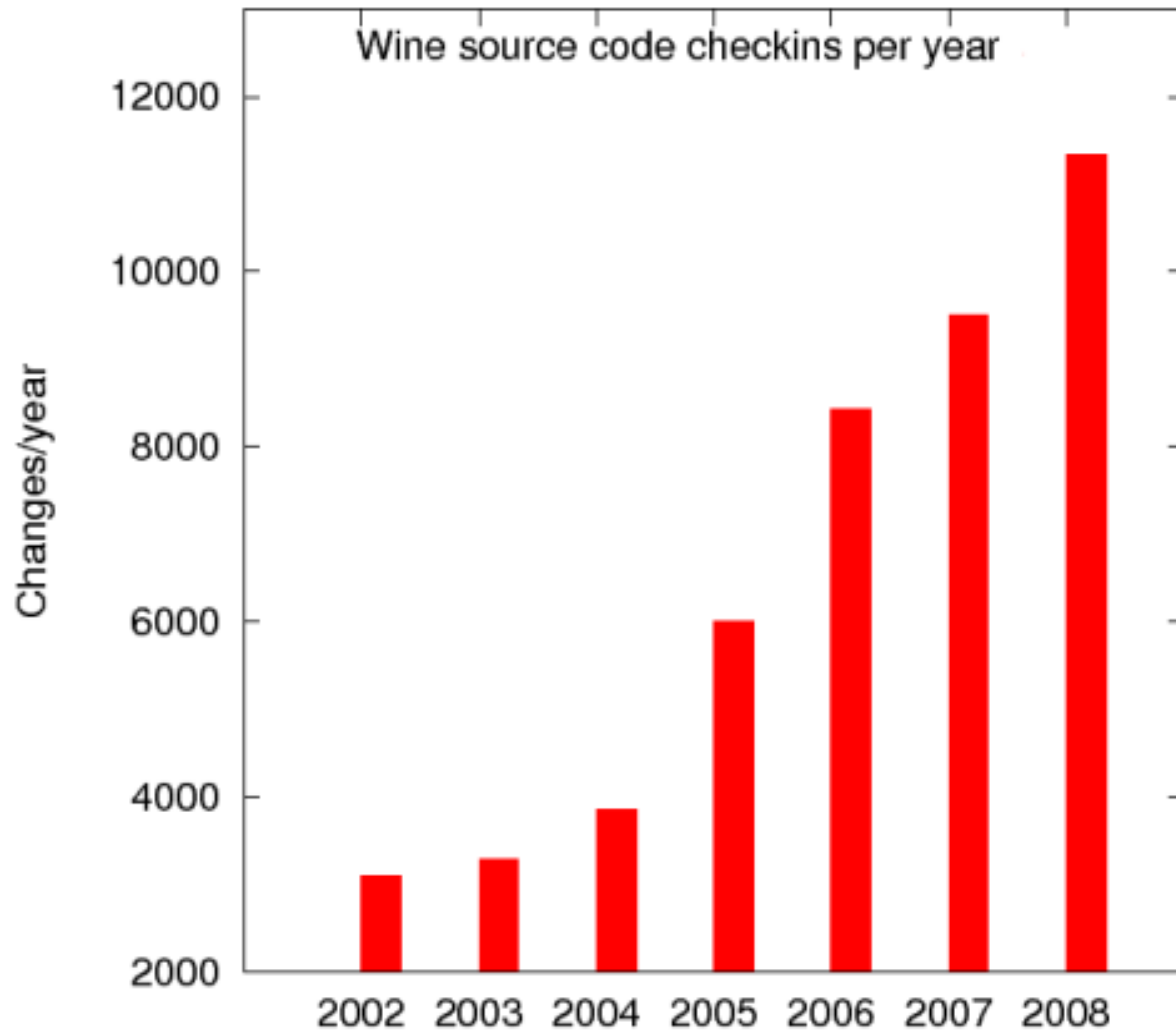
Apps: Firefox (all), OpenOffice (8000)

Wine: **GeoInfo, WS_FTP, a legal app (250)**

“Deploying Linux is more about managing change than about technology”



But what about quality?
Is Wine developed with care?



True, Wine is developing rapidly

File Edit View History Bookmarks Tools Help

http://test.winehq.org/data/183bb795b6c1cd1e24503a20b1a4a: ☆

prev | next | index | open popup

Legend

All tests **pass** in all reports.

Some tests **fail** in some reports.

Some tests **fail** in all reports.

This **border** signals that some tests are skipped.

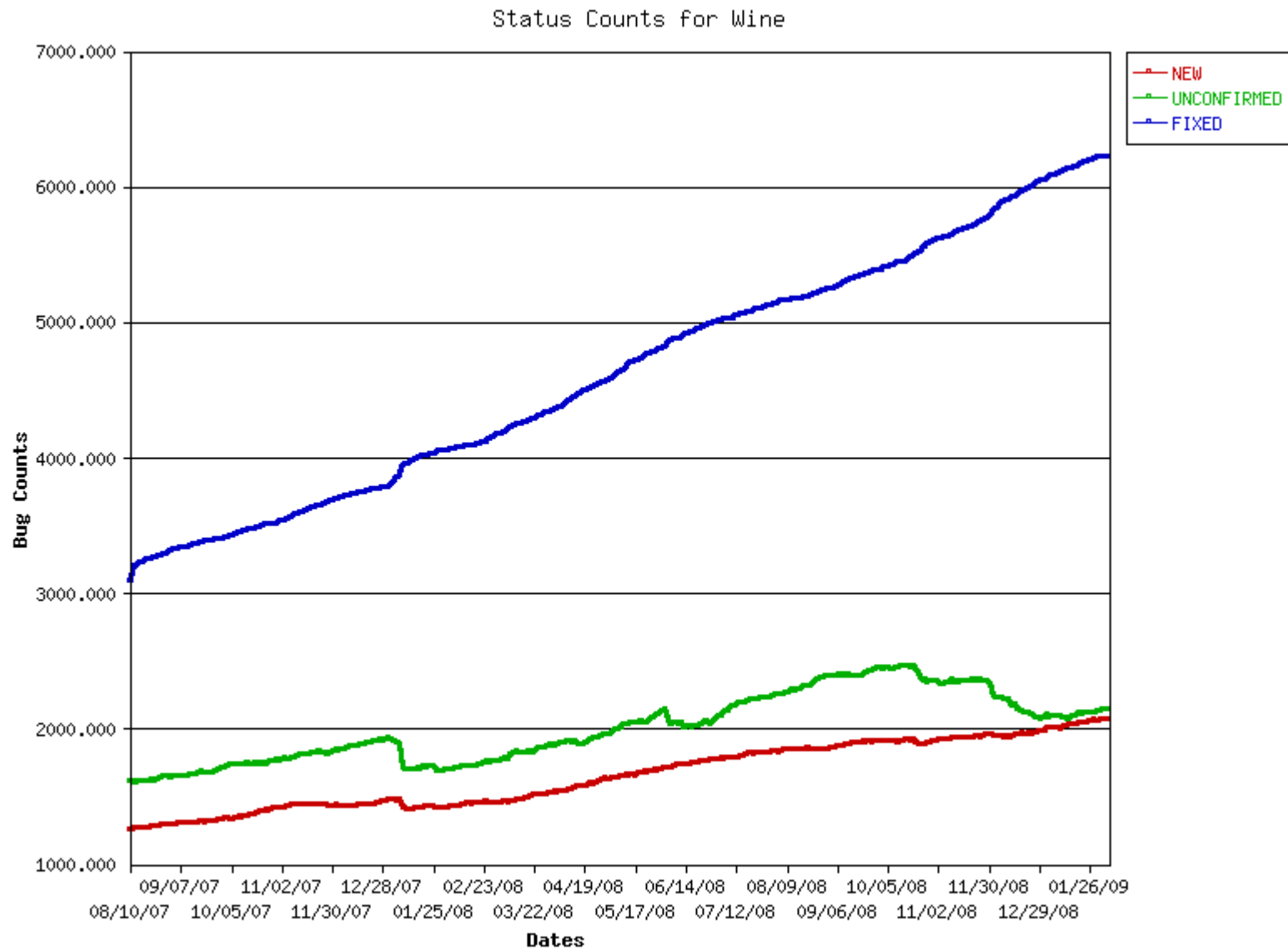
This **border** and this **background** signal that the implementation needs some work.

Main summary for build 183bb795b6c1

platforms	Win95 <small>fg-win95 [info] [file]</small>	Win98 <small>fg-win98 [info] [file]</small>	Me <small>s2 [info] [file]</small>	2000 <small>aenglish-2k [info] [file]</small>	XP <small>5 reports</small>	2003 <small>2 reports</small>	Vista <small>5 reports</small>	Wine <small>3 reports</small>	
errors	40 10.2%	79 20.2%	62 15.8%	14 3.6%	28 7.1%	55 14.0%	106 27.0%	9+166 2.3+42.3%	
advapi32:cred	0	0	0	0	0	6	2	4	history source all builds
advapi32:crypt	0	0	0	0	0	0	1	0	history source all builds
advapi32:crypt_lmhash	0	0	0	0	0	0	0	0	history source all builds
advapi32:crypt_md4	0	0	0	0	0	0	0	0	history source all builds
advapi32:crypt_md5	0	0	0	0	0	0	0	0	history source all builds
advapi32:crypt_sha	0	0	0	0	0	0	0	0	history source all builds
advapi32:lsa	0	0	0	0	0	0	0	0	history source all builds
advapi32:registry	0	0	0	0	0	0	0	3	history source all builds
advapi32:security	0	0	0	0	2	0	6	8	history source all builds
advapi32:service	0	0	0	0	0	1	4	88	history source all builds
advpack:advpack	0	0	0	0	0	1	0	12	history source all builds

Stopped

but each change passes rigorous tests



and bugs are tracked and fixed steadily

Why is it called Wine?

Wine Is Not an Emulator

-- it's a catalyst

QUIZ

If it costs 10 million EUR to fix **all Wine bugs**,
and **EU has fined Microsoft 1.7 billion EUR**,

Q. Can you think of a cost-effective way for the EU to use some of that money to stimulate competition in the operating system market?

Q. How much would each of CeBIT's half-million visitors have to contribute to fix all known Wine bugs?



Questions?

Slides/video online at kegel.com/cebit

Text copyright 2009, Dan Kegel

Please copy - see [Attribution-ShareAlike license](#)

If your group would like a Wine presentation, please contact me

The opinions expressed in this talk are my own, not those of my employer