

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

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Cebit 2009

Hyperlinked presentation online at www.kegel.com/cebit

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

Pay attention, there will be a quiz at the end

The world is changing...

Linux is spreading beyond servers



The world fell in love with Windows in
1995...

The HP Mini 1000 Mi Edition:

SIMPLIFY
YOUR LIFE



But now **HP** uses **Ubuntu Linux** on the \$280
Mini Mi netbook



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

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

 **ubuntu**

And Dell uses Ubuntu Linux on the
\$250 Mini 9n netbook



Why did Dell and HP choose Linux?
Isn't it **geeky and hard to use**?



Windows Vista doesn't fit on most netbooks



Windows costs netbook vendors \$20-\$50 per unit
which hurts their bottom line

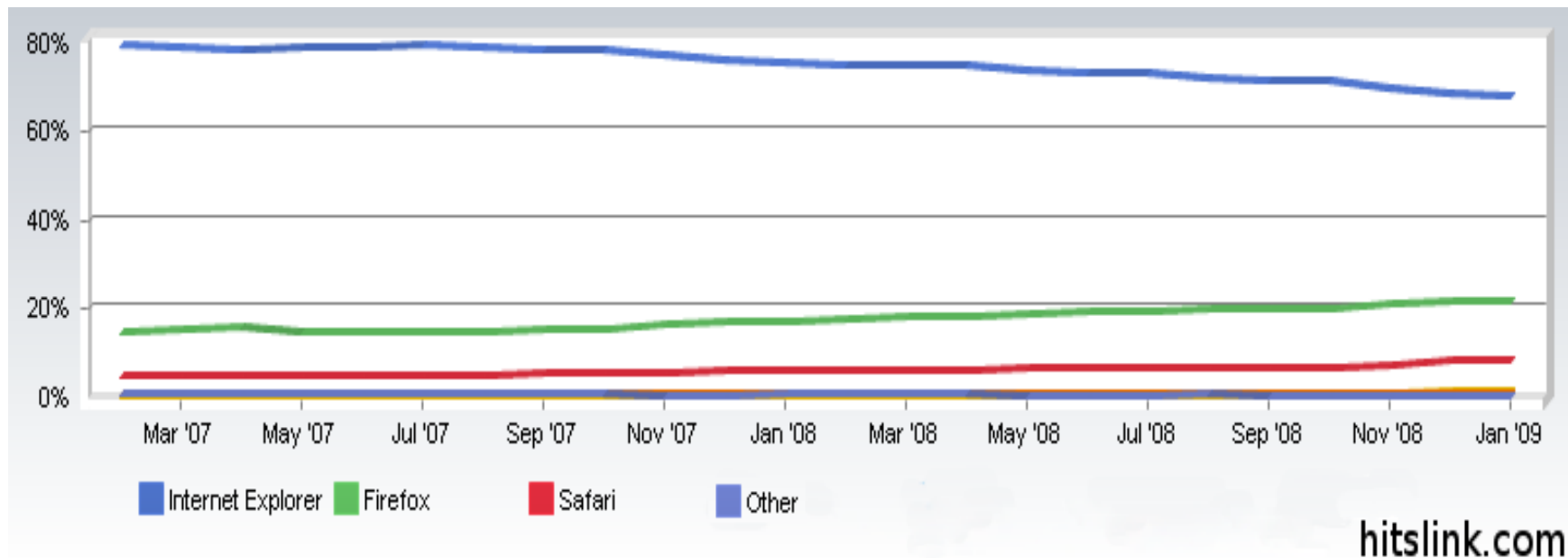


Microsoft limits Windows netbooks to

1GB RAM, 1GHz CPU

10.2" Screen, no DirectX 10

to protect sales of more expensive computers



Windows-only websites used to be common, but Firefox and Webkit are making that rare



ubuntu

linux for human beings

Linux now easy to use
thanks to vendors like **Ubuntu**



Linux now comes with a capable
free office suite



But why should *you* try Linux?



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

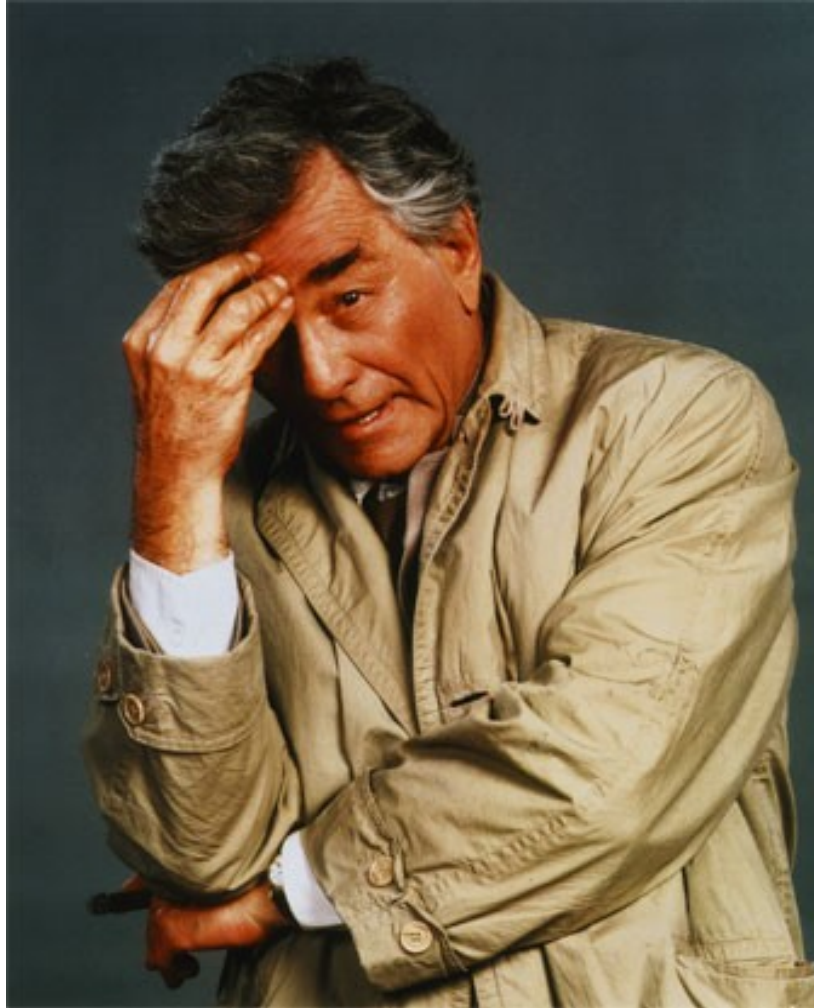


Linux has ~1% as many viruses

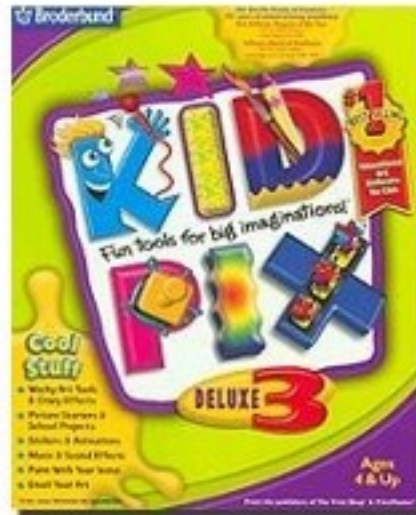
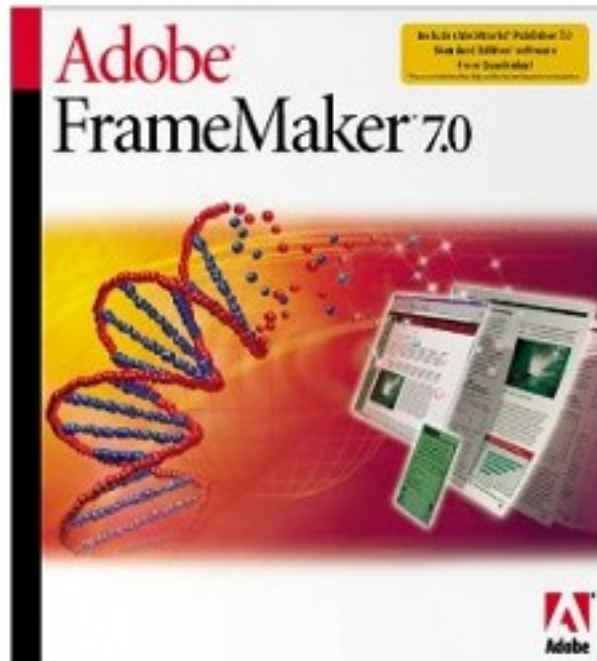


Munich, Niedersachsen, France, Spain,
China, Russia, Brazil
are using desktop Linux

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?



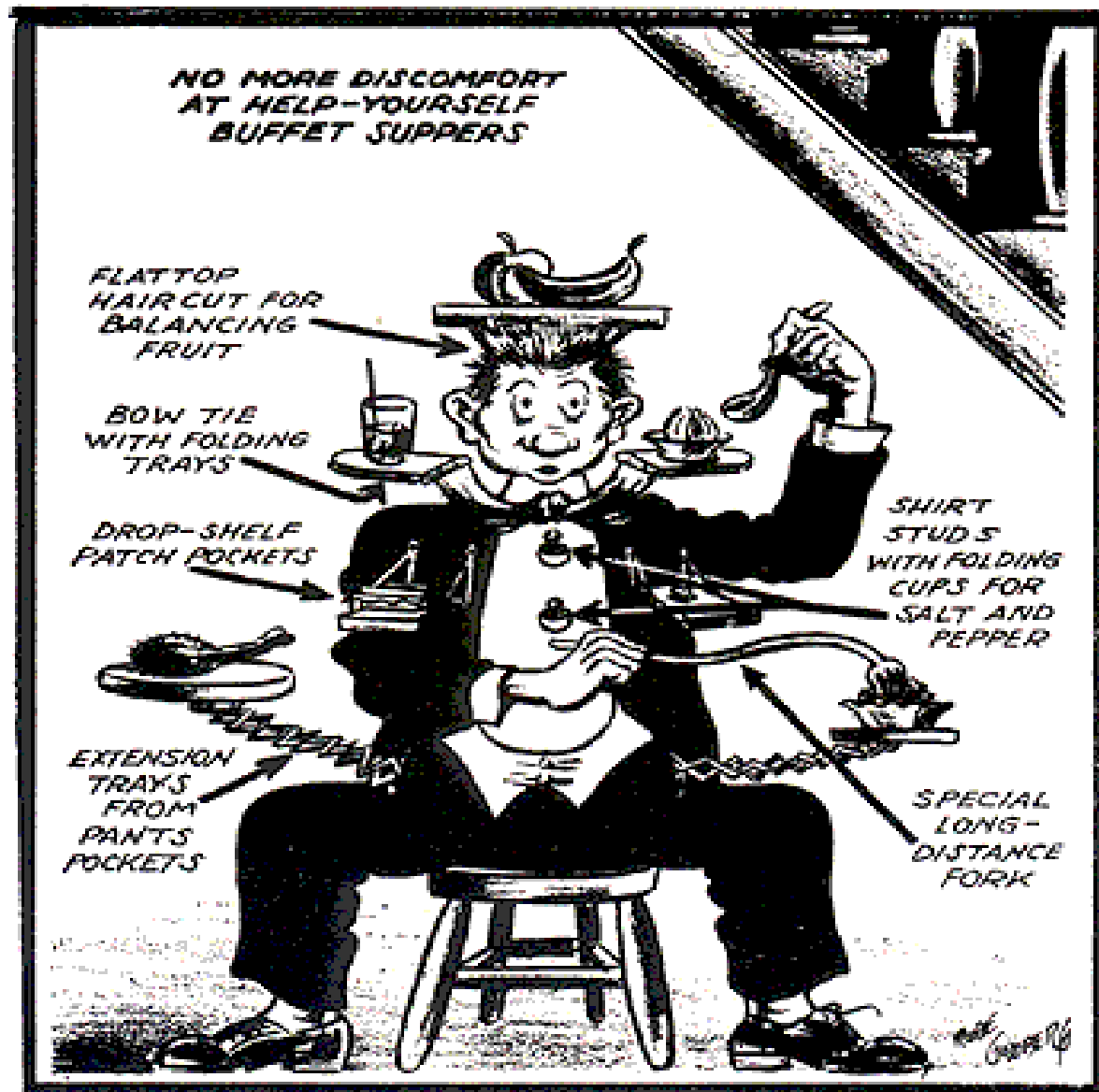
You could use VMWare and Windows,
but then you still have to deal with Windows
licensing and upgrades



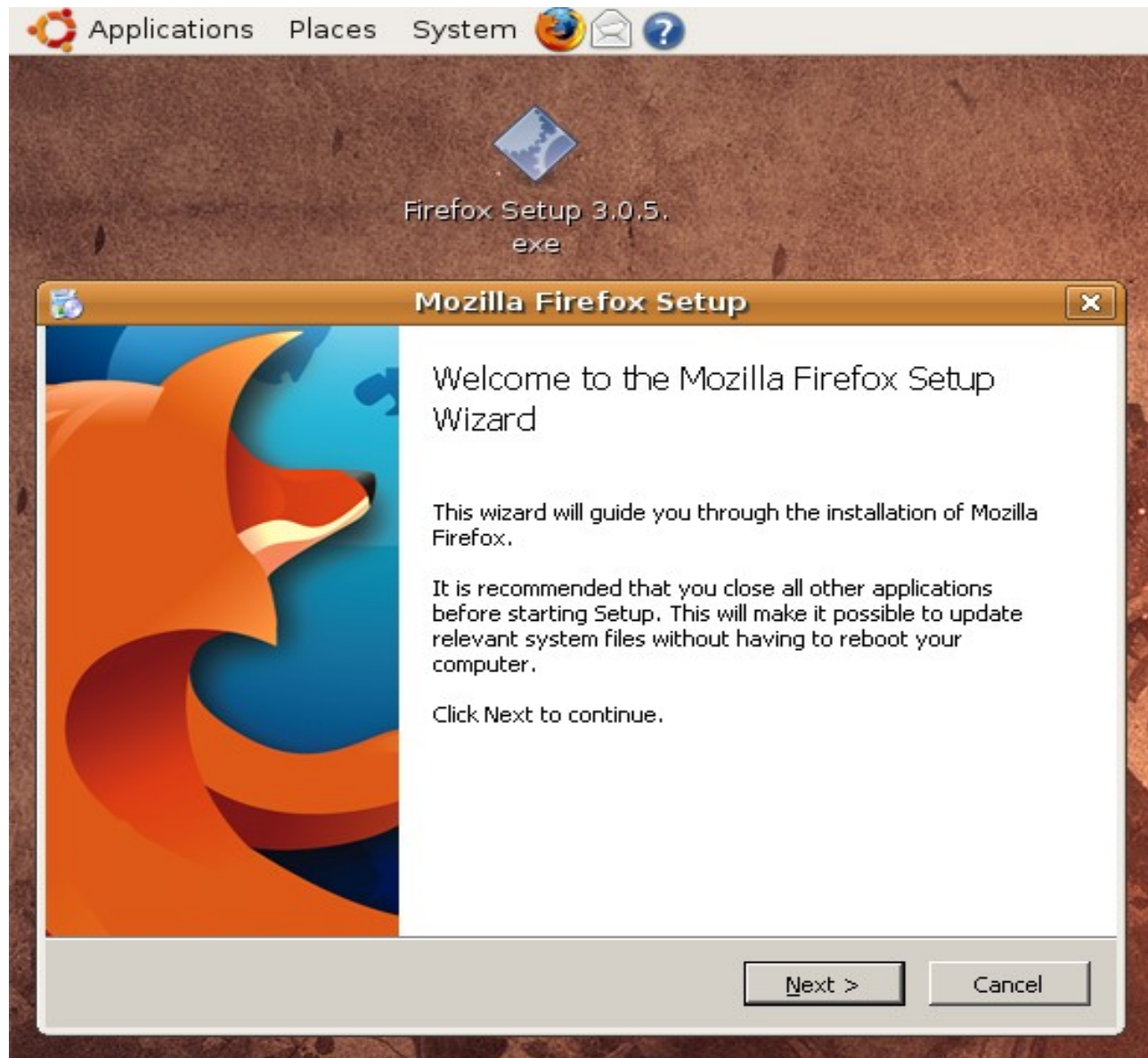
Linux cloned Unix
Can't we clone Windows, too?



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



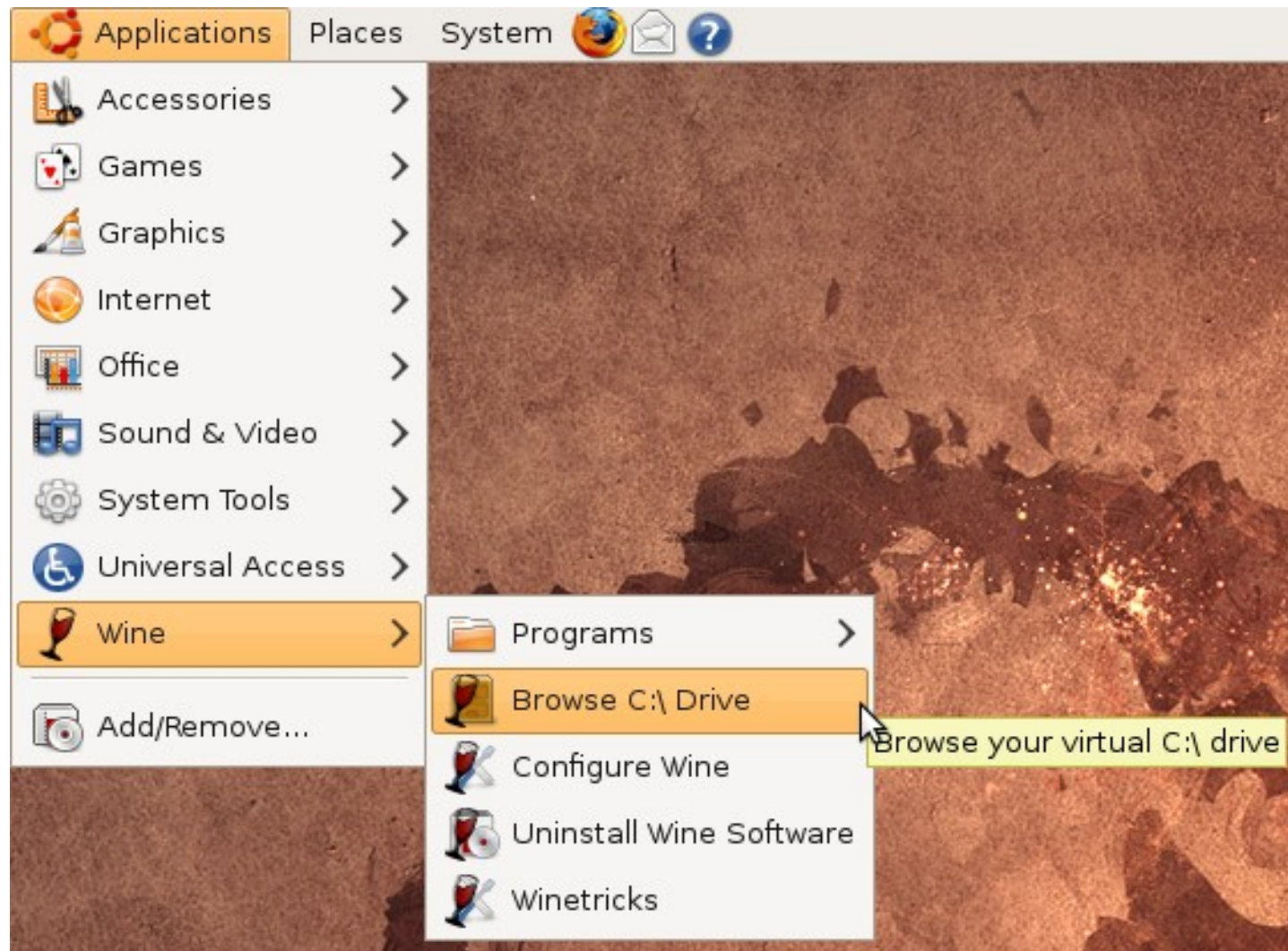
But isn't Wine complicated to use?



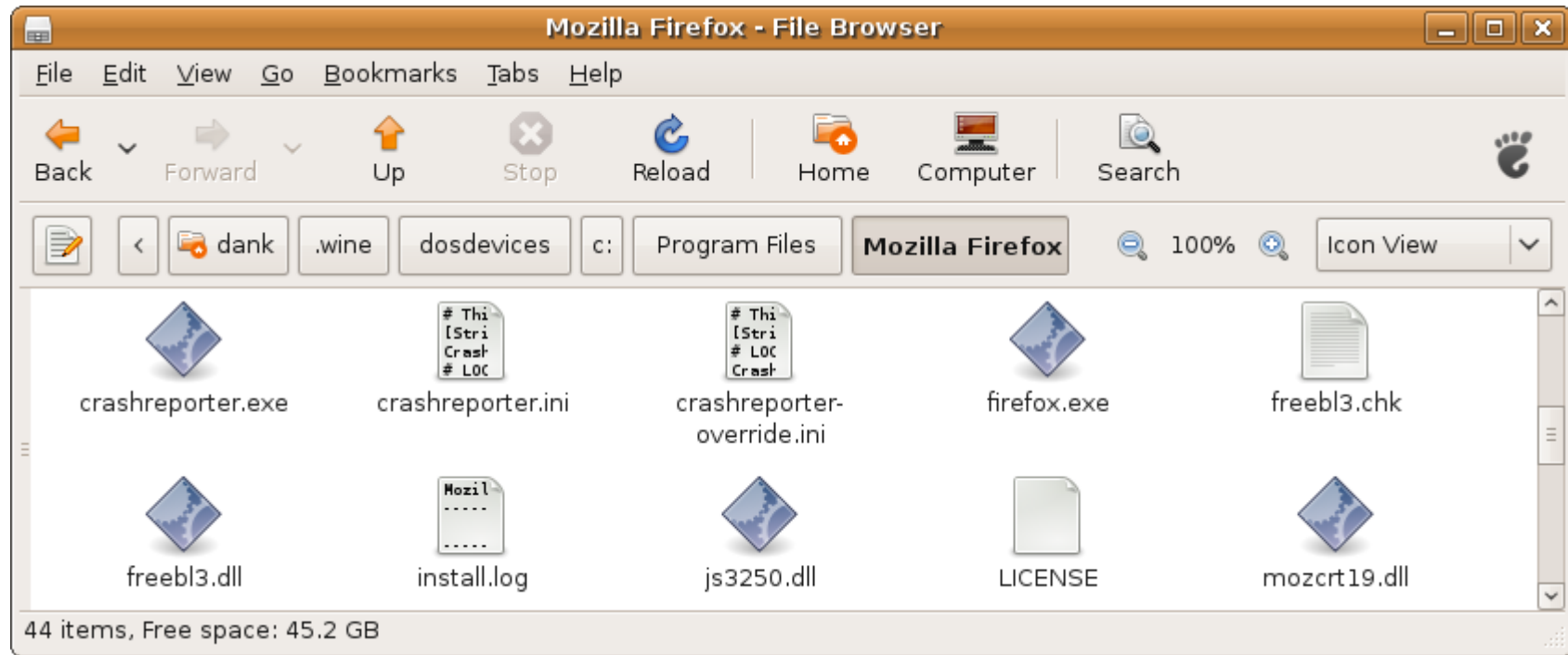
To install a Windows app,
just double-click its installer



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](http://www.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

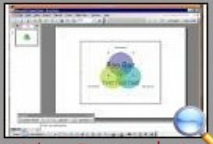
AppDB

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

User Menu

- Log in
- Register

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


[View Screenshot](#)

Description

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

Super maintainers:

- [Rosanne](#)

Log in to become a super maintainer

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

Search: Google Custom Search

WINEHQ
Microsoft Powerpoint 2007

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

No Screenshot Available
[Submit Screenshot](#)

Maintainers of this version:

- [Rosanne](#)

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

Search: Google Custom Search



WINE^{HQ}

Download Wine for your favorite OS here.

Wine Downloads

Supported Wine

Product	Description
	<u>CrossOver</u> is a polished version of Wine provided by <u>CodeWeavers</u> . 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 <u>trial versions of CrossOver</u> .

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

Wine Binary Downloads

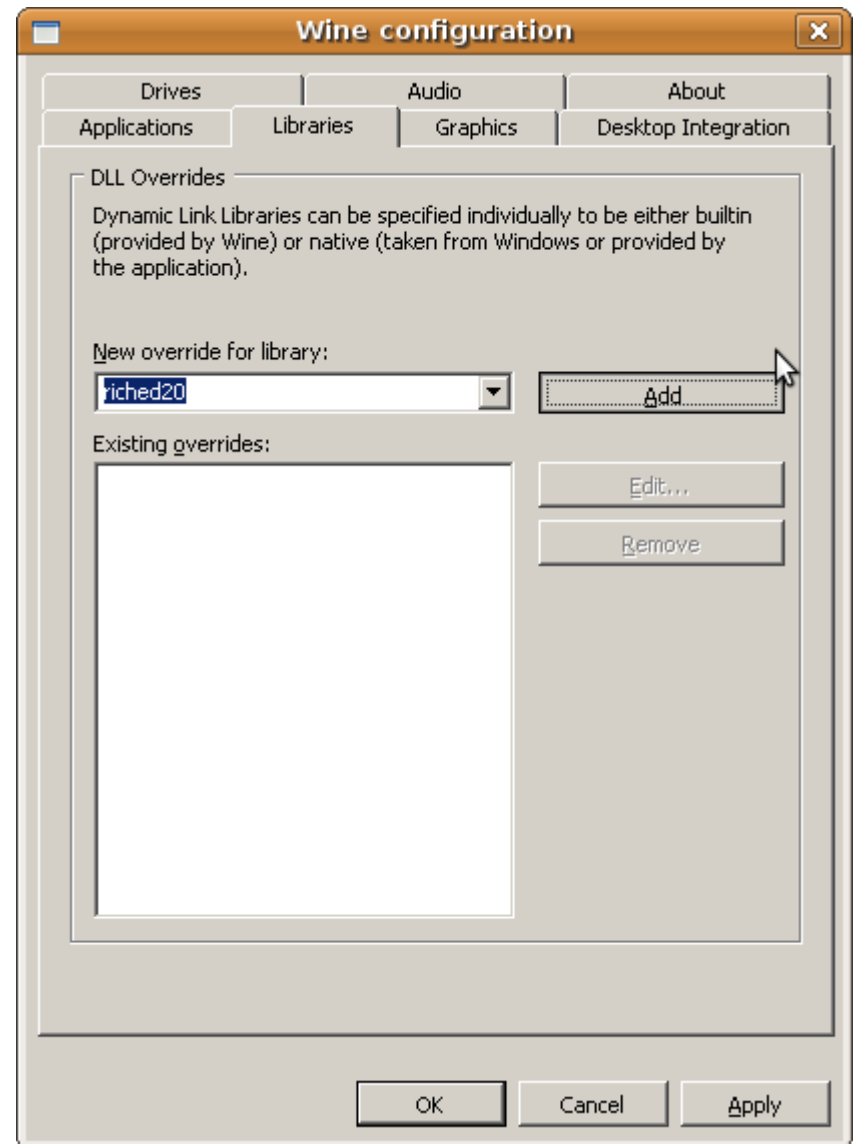
Latest stable release: Wine 1.0.1
Latest development release: Wine 1.1.15

See the installation and configuration how-to for post-installation instructions.

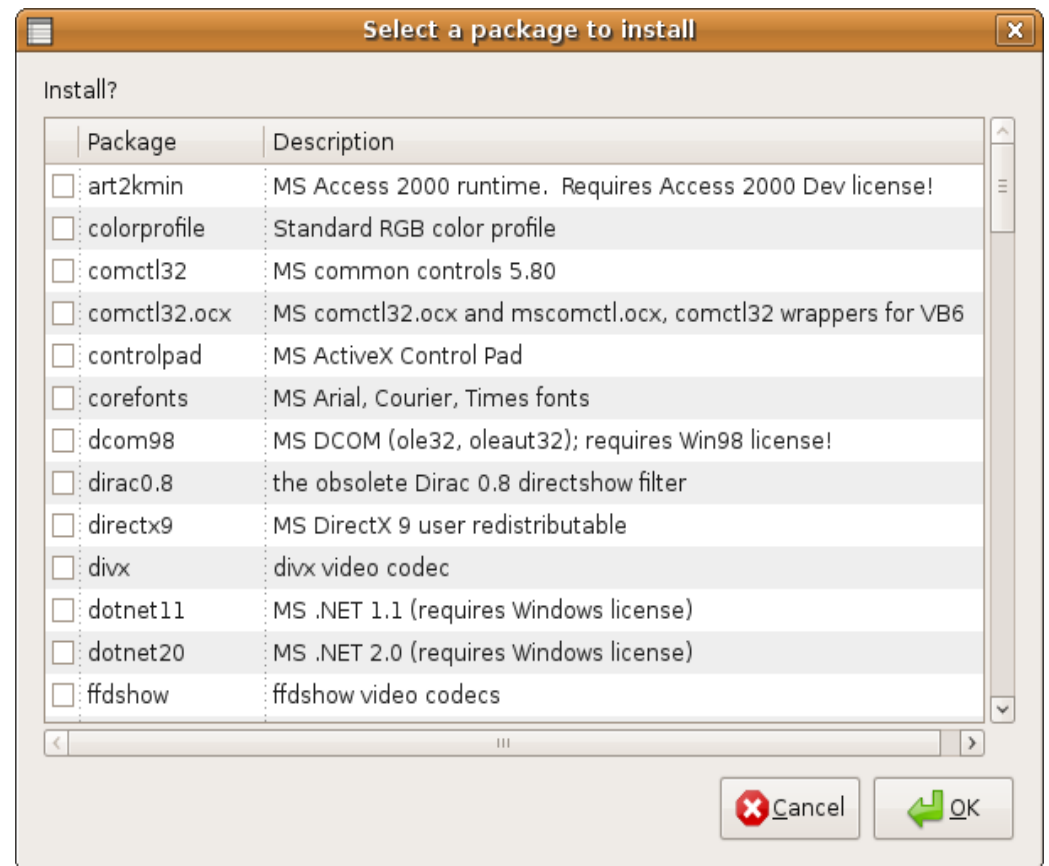
System	Notes	Maintainer
	<u>Ubuntu</u> binary and source .debs for Ubuntu Hardy (8.04) and Intrepid (8.10)	<u>Scott Ritchie</u>

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**



Heinzelmännchen?

Wine is free?
But programmers have to eat!
How can free software be sustained?



Free software can be sustained if the community is large enough



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



But should *you* try Wine?



Things That Don't Work Yet:
WPF / XAML

Some copy protection schemes
Some USB drivers (e.g. iPhone sync)
Win64 support
Direct3D 10

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



Case studies

Kindl & partneři
Advokátní kancelář
Chomutov, Czech Republic

Computers: 10

Native Apps: Firefox, OpenOffice

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



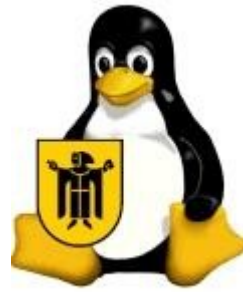
Xavier School

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)**



What if something goes wrong?

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

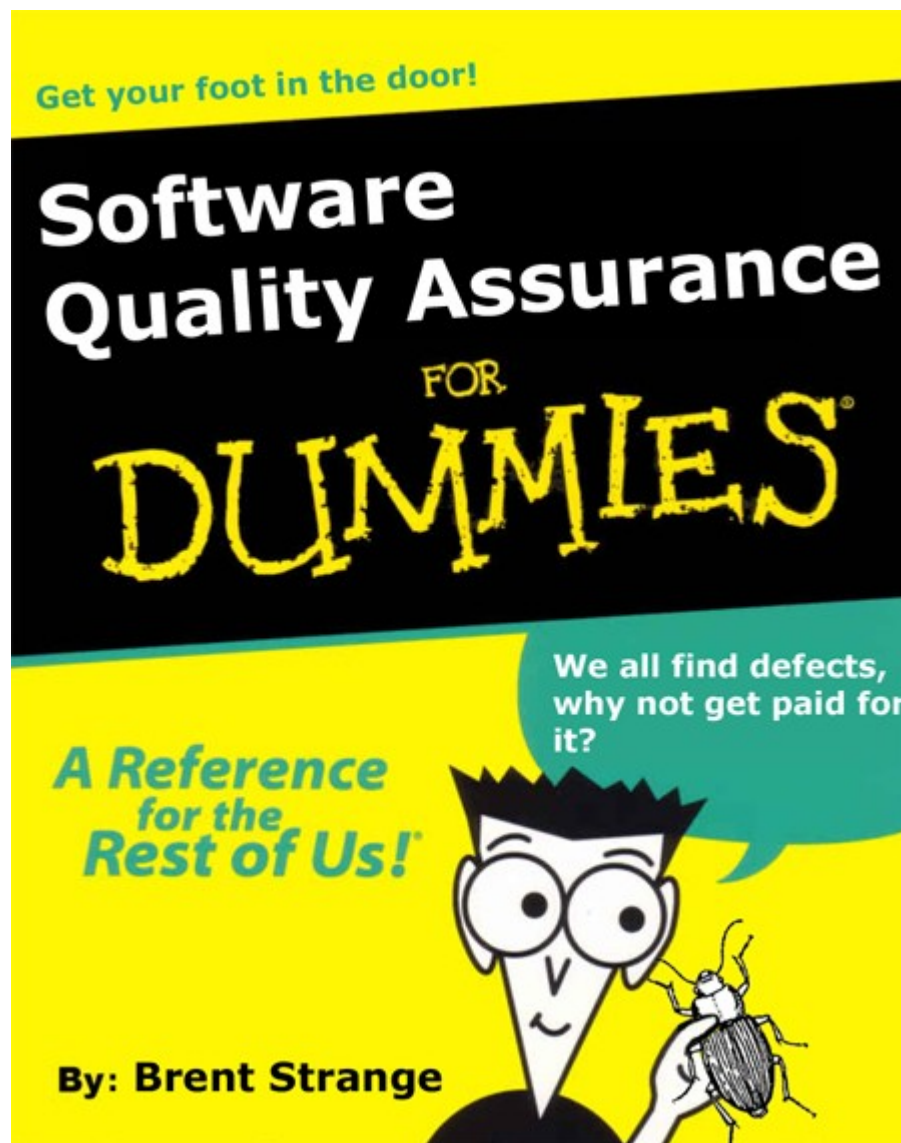
Wine: [**www.winehq.org/help**](http://www.winehq.org/help)

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

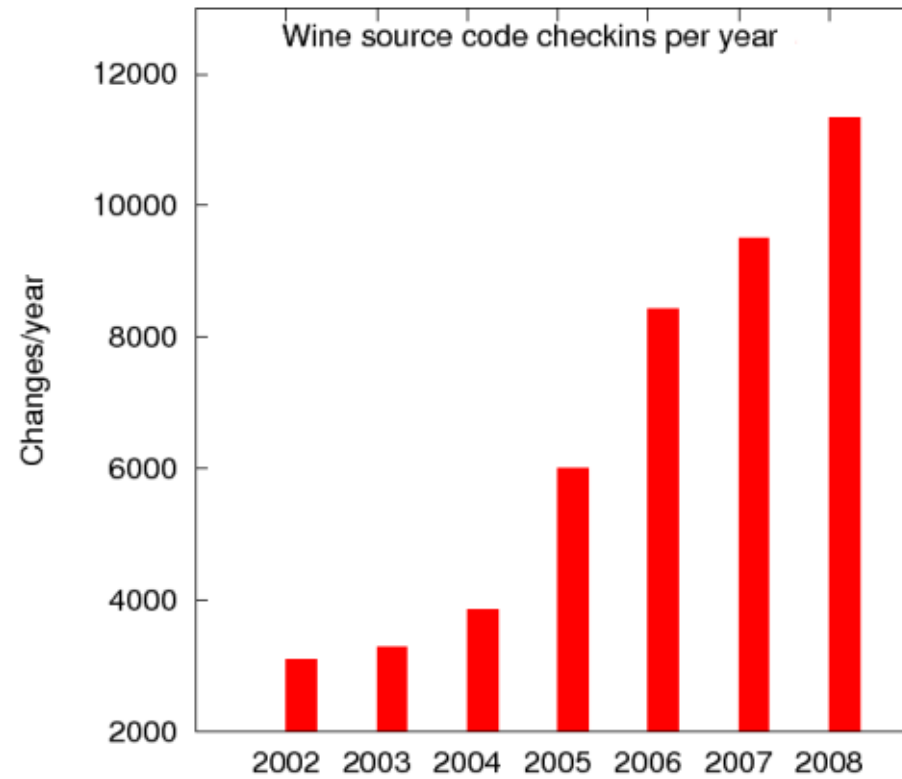
Commercial paid support options:

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

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



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: Google

prev | next | index | open popup

Legend

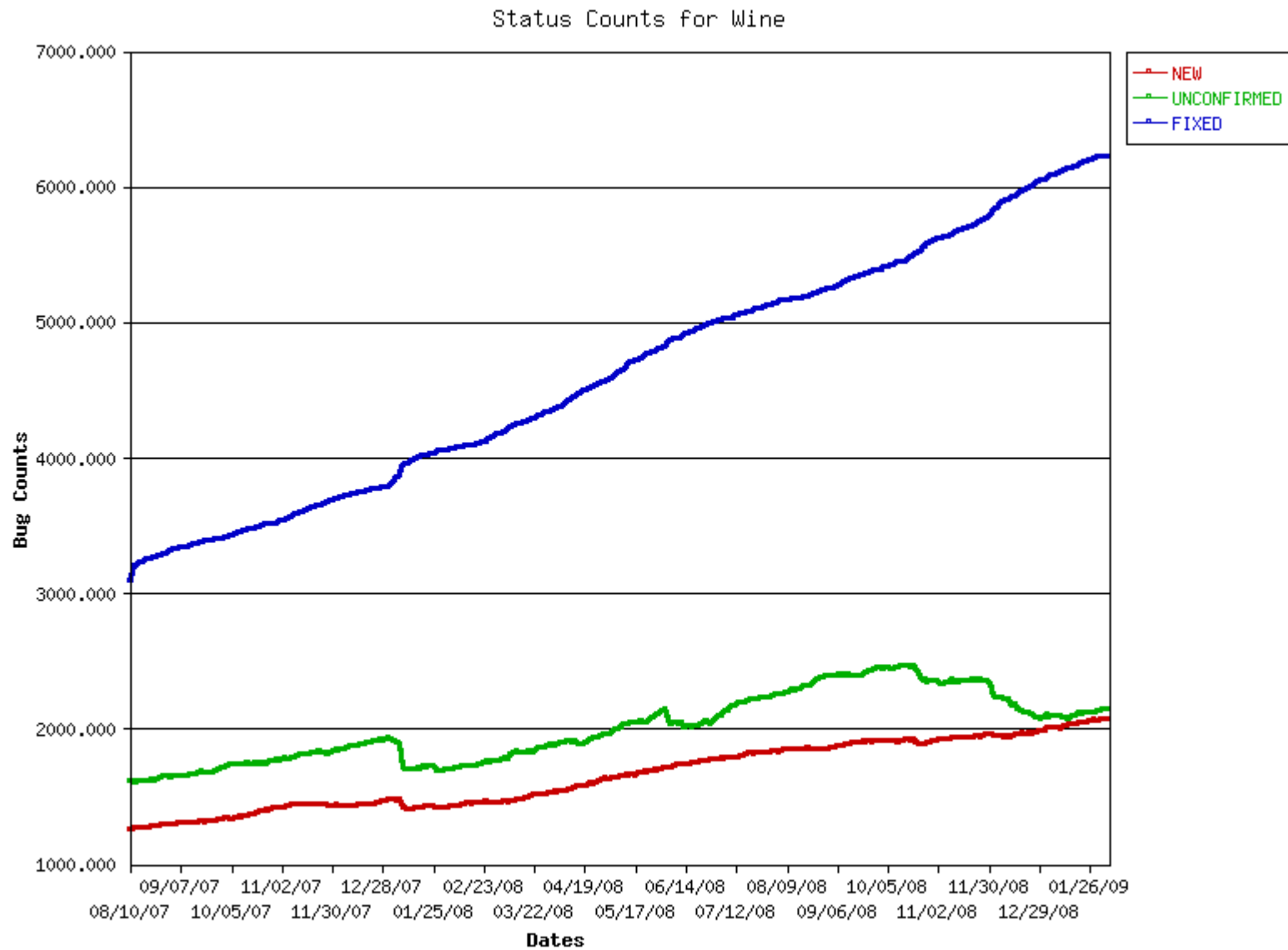
All tests **pass** in all reports.
 Some tests **fail** in some reports.
 Some tests **fail** in all reports.
 This **border** signals that some tests are skipped.
 This **border** and this **background** signal that the implementation needs some work.

Main summary for build 183bb795b6c1

platforms	Win95 fg-win95 [info] [file]	Win98 fg-win98 [info] [file]	Me s2 [info] [file]	2000 aenglish-2k [info] [file]	XP 5 reports	2003 2 reports	Vista 5 reports	Wine 3 reports	
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

Q U I Z

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

1. Can you think of an effective way for the EU to stimulate competition in the operating system market?
2. How much would each of CeBIT's half-million visitors have to contribute to fix all known Wine bugs?



Questions?
See kegel.com/cebit

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