Practical Wine

STLLUG

January 2019
What useful work can be accomplished with Wine (www.winehq.org)?
About Me

I work as an independent consultant performing system and small network administration, and writing specialized technical documentation.

Recently, I wanted to show someone an editor designed for another O/S, but did not have spare system with that O/S installed.
About this Session

What does Wine do?

Can Wine run programs I want to run?

How do I install and run programs?
Not in this Session

Mono – an open source .NET framework

Gaming with Wine – outside my experience and expertise

Snap or Flatpak – out of chosen scope
Wine Overview

Wine provides an execution environment that simulates the Windows API, translating those calls into POSIX calls.

It does not provide CPU emulation.
Will Wine run my program?

https://appdb.winehq.org/

Follow Browse Apps link, use filters

Not optimized for performing a large number of lookups
Will Wine run my program?

Use the Wine Application Database to investigate the extent of support

I checked programs from two systems to learn about this
Will Wine run my program?

77 installs listed with Zsoft uninstaller

Some exclusions

22 – native program available
32 – no database listing
23 – rating from Garbage to Platinum
Will Wine run my program?

Platinum and Gold examples:

Notepad++

WinSCP

MS Office 2003 (installer)

InnoSetup 5.6.1

WinMerge 2.8.6
Will Wine run my program?

Silver examples:

AutoIt V3
PDF-XChange Editor
IrfanView
PuTTY
Will Wine run my program?

Garbage examples:

H&R Block TaxCut 2016

Adobe Acrobat Pro 8
Usage howto – General Setup

packages
wine-development
wine32-development
wine64-development
winetricks
fonts-wine
Usage howto – WINEPREFIX

Folder with static configuration for particular application installations – libraries and registry

$ WINEPREFIX=~/.fn winecfg

$ WINEPREFIX=~/.fn winetricks <args>

$ WINEPREFIX=~/.fn wine <app installer>
Usage howto – winetricks

An independently developed package that ‘does what it takes’ to make applications work under wine. Search engines help.

$ WINEPREFIX=~/.fn winetricks <args>

$ WINEPREFIX=~/.fn winetricks
Usage – Creo Licensing Server

3D CAD software, was ProENGINEER (PTC)

Set up under Debian 5 (Lenny) in 2011

Still working Debian 9 (Stretch) in 2019

Once working, low maintenance
Usage – Irfanview

Photo and image editing software

Fast and easy for simple jobs

Free for non-commercial use
Setup – Irfanview

WINEPREFIX=~/wine_iv winecfg

WINEPREFIX=~/wine_iv winetricks mfc42

WINEPREFIX=~/wine_iv wine iview_x64_setup.exe
Usage – Notepad++

Photo and image editing software

Fast and easy for simple jobs

Free for non-commercial use
Setup – Notepad++

WINEPREFIX=~:/wine_npp winecfg

WINEPREFIX=~:/wine_npp winetricks

WINEPREFIX=~:/wine_npp winetricks allfonts
Questions?
What useful work can be accomplished with Wine (www.winehq.org)?