

Practical Wine

STLLUG
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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:

Autolt 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?



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