

VituixCAD in Linux

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Version History

Version	Date	Changelog
V0.1	2016-08-29/joni	First Revision
V0.2	2022-05-05/kimmo	For VituixCAD 2.0.85.1 or later with .NET Framework 4.5.2 requirement

Prerequisites

System Requirements

Running VituixCAD in Linux has the same HW requirements as in Windows environment.

Software Requirements

VituixCAD uses Microsoft .NET Framework 4.5.2 or newer. Currently Mono and .NET Core does not provide sufficient libraries so Wine must be used. Wine version 6.6 or later is required. dotnet452 (.NET 4.5.2 in Wine) supports also 64-bit wine prefix.

Installation

Wine

Install the latest Wine from [WineHQ](#) if not already installed. At the moment (2022/5) binary packages are compiled for:

- Ubuntu 18.04, 20.04, 21.10, 22.04
Linux Mint 19.x and 20.x
- Debian Buster, Bullseye and Bookworm
- Fedora 34, 35, and 36

Other Linux distros may require different installation procedure. Google, stackoverflow and youtube provide more information.

Create 64-bit prefix with the following command as normal user (% denotes shell prompt):

```
% WINEARCH=win64 winecfg
```

This will create 64-bit prefix to ~/.wine.

Note! Do not install Mono for testing how Wine works because dotnet452 will include required functionality.

Winetricks

Install winetricks and fonts with the following commands as normal user:

```
% sudo apt-get install winetricks
```

```
% winetricks corefonts
```

dotnet452

Install dotnet452 package with the following command as normal user:

```
% winetricks dotnet452
```

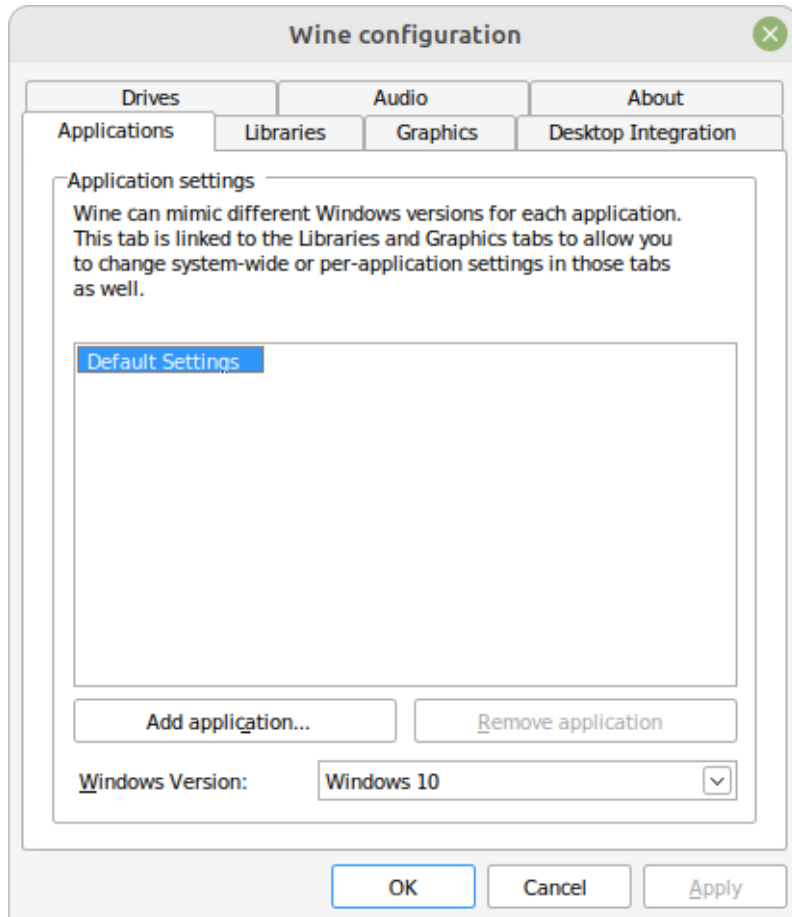
This command installs .NET 4 Client Profile, .NET 4 Extended and .NET 4.5.2 so it takes some time. Select 'Reboot Later' when installation is ready.

Wine configuration

Start Wine configuration:

```
% wine winecfg
```

Some programs could as Windows version. Select Applications tab, Default Settings and Windows 7 or 10 from Windows Version list box. Apply and OK to save and exit.



Mouse hovering above the graphs in VituixCAD works properly (as real Windows 10) when '**Allow the window manager to control the windows**' in Graphics tab is **unchecked**, though this disturbs some other functions. Select the setting which suits the best for you.

VituixCAD

Download the latest installation file from Kimmo Saunisto's website:

https://kimmosaunisto.net/Software/VituixCAD/VituixCAD2_setup.exe. Install VituixCAD by running (double-click or with wine) VituixCAD2_setup.exe, typically downloaded to /home/username/Downloads.

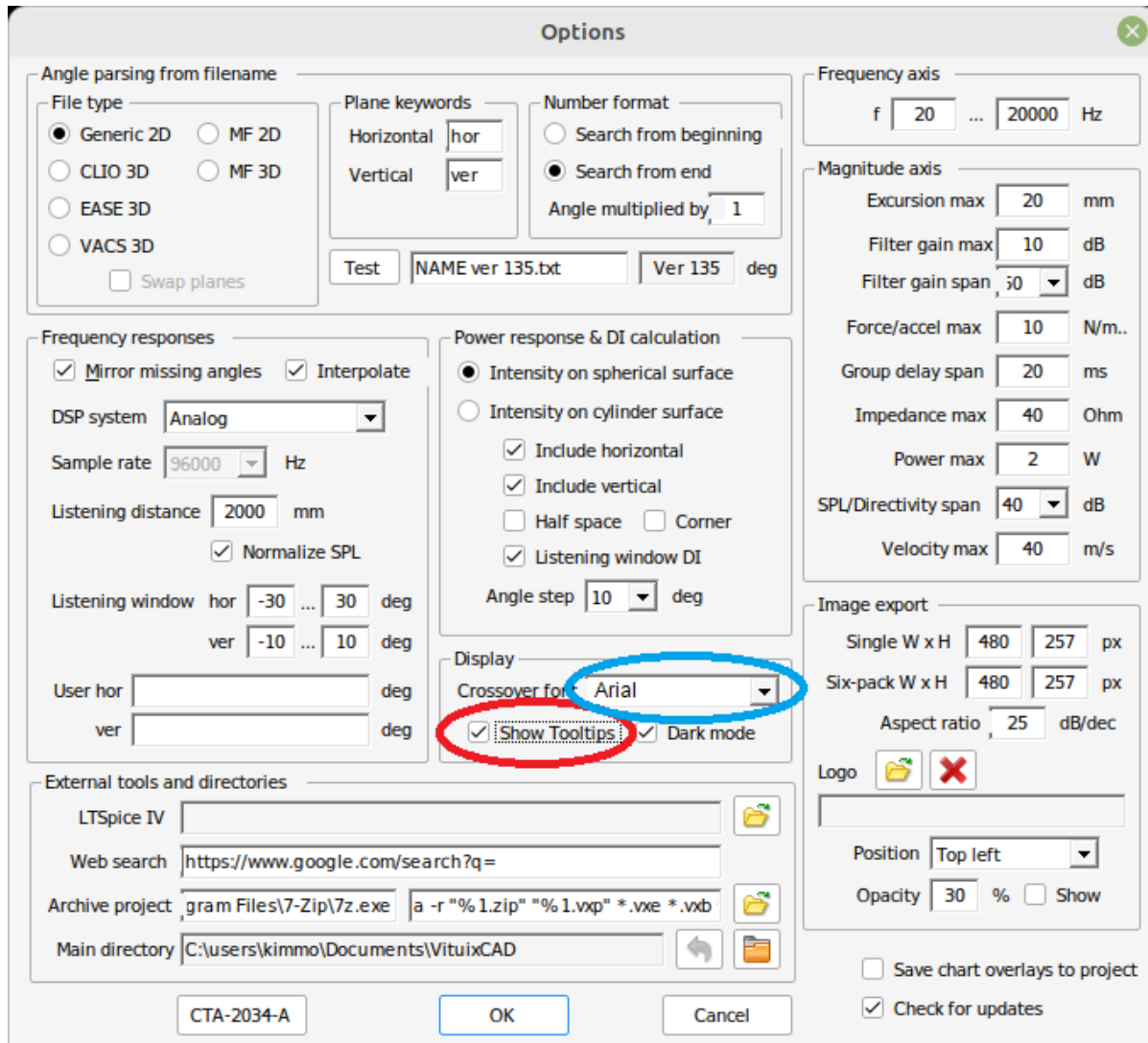
Tips

Crossover font

Select **Arial** (or Trebucket MS) in Options window to show omega, micro etc. Greek characters in crossover schematic.

Tooltips

Tooltips does not usually cause problems with Wine for example in Ubuntu, Mint Mate or Mint Cinnamon so keep them enabled by default. In certain window managers, tooltips steal focus and combo boxes are quite impossible to use. To prevent that, VituixCAD offers an option to disable tooltips.



Themes

Wine offers an option to use GTK theme. Never ever try that because it messes up default colours and makes graphs and menu texts impossible to read. And the colours are not changed back when selecting Windows themes after that.

Locale

If you are not able to open a project and VituixCAD complains about missing column in FRD/ZMA files, you need to change locale. VituixCAD expects invariant culture in data files so dot (.) is used as decimal separator. For example, Finnish locale states that decimal separator is comma (,).