

# CPU-OS - Simulator

Although the CPU-OS - Simulator is meant to be used in Windows, it runs as well on Linux and OS X using Wine.

## Installation

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Enter the following commands in a terminal.

- Install `wine` and `cabextract` with the package manager for your OS. For Debian like: `sudo apt-get install wine cabextract`, Fedora like: `sudo yum install wine cabextract`, Arch like: `sudo pacman install wine cabextract`, OS X: `brew install wine cabextract`. For OS X, install [homebrew](#).
- Install `winetricks`. (see [winetricks wiki](#))
- Use `winetricks` to install `vb6run` and `mfc42`. (e.g. `winetricks vb6run mfc42`)
- Run the installer for CPU-OS Simulator in `wine`. (e.g. `wine CPU-OSSimulator.exe`)

## Run CPU-OS Simulator

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To open CPU-OS Simulator, you have to make `wine` run it.

- Open a terminal and run `wine PATH_TO_SIMULATOR`. (e.g. `wine ~/.wine/drive_c/Program\ Files/CPU-OS\ Simulator\CPUSimulator.exe`)

## Caveats

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- Drop down menus do not work. Instead, select such a field till you have active focus (i.e. it is blue) and use arrow keys to work your way through the list.
- It is better to not enter text into the Compiler window as it is very unstable (under Wine at least). Instead, load your text files, prepared in a text editor.