# Part 1 Through virtualBox

Step1.

Get a windows XP VM set up, with a shared folder as to put in installers and your program

Iso and activation key found at <https://archive.org/details/WinXPProSP3x86>

Optional Step.

Download firefox 43 in order to access https web pages from within Windows XP and download below files from within the VM.

Download: <https://download-installer.cdn.mozilla.net/pub/firefox/releases/43.0/win32-EME-free/en-US/>

Step 2.

On Host (or firefox) machine go to <https://www.python.org/downloads/release/python-343/> and download [Windows x86 MSI installer](https://www.python.org/ftp/python/3.4.3/python-3.4.3.msi) (Not -64 as XP does not support 64 bit)

Step 3.

In the VM access the python MSI installer and follow the setup wizard

Step4.

In XP after install got to the start menu -> right-click my computer -> properties -> advanced -> Environment Variables -> Path -> edit

Now to the end of the path variable add ;C:\python34;C\python34\scripts

Step5.

Reboot the machine

Step6.

In CMD type pip help to make sure that pip is installed and working

Step7.

Use the commands:

Pip install numpy==1.12.0

Pip install matplotlib==1.4.3

Step8.

On Host machine (or firefox) go to <https://sourceforge.net/projects/pywin32/files/pywin32/Build%20219/> in order to download pywin23 which is needed for pyinstaller

Step9.

In VM command prompt use the command:

Pip install pyinstaller==3.2.1

Step10.

In CMD navigate to folder the folder that you wish to host the executable then use this command:

Pyinstaller --windowed --onefile <path-to-VESgui.py>

Example

Pyinstaller --windowed --onefile \VESinverse\VESinverse\_ajv234\VESgui.py

Step11.

When that finishes two folders will have been created \build and \dist. The file is the only file in \dist