

# Installation manual for vgosDBpy

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## Download vgosDBpy package

The utility vgosDBpy is available as a open-source project at Github, click [here](#). There are two alternatives on how to download it.

The first way is to download the vgosDBpy package as a zip-file from Github and open it at any computer. An alternative way is to use **git** and download it directly in your terminal by typing **git clone https://github.com/RickardKarl/vgosDBpy.git**. The latter will become a copy of the master branch of vgosDBpy at Github, it can be updated at anytime by pulling updates through **git**.

## Dependencies

These are the following requirements to run vgosDBpy:

- Python 3.5 or a higher version number
- Qt (During development version 5.12.3 was used, but older version will probably work as well)
- Python packages given by the requirements.txt in the vgosDBpy package

## Setting up a virtual enviroment (venv)

However, before installing the required Python packages it is recommended to use a virtual environment. This can be done in many ways but I will go through one of them. In this guide will I be using the Python package **virtualenv** which has a subset package **venv**, which has been a part of the standard library since Python 3.3.

To setup a virtual environment you simply write **python3 -m venv ENV\_DIR** in a shell terminal, where ENV\_DIR is the path where a virtual environment folder should be created.

Afterwards, make sure that it worked by activating the virtual environment using the following command, **source ENV\_DIR/bin/activate**. If you want to deactivate it, just type **deactivate**. If the environment is activated, you will notice that a label (*ENV\_DIR*) has appeared in your shell terminal.

## Installing required Python packages

When you have a working virtual environment, activate it before installing any Python packages. This will isolate your installed packages to the activated environment so that you remove/uninstall them easily if you are getting any issues.

To install the Python packages specified by the requirements.txt, simply write **python3 -m pip install -r requirements.txt** when in the same folder as requirements.txt. (Note: It will probably work if you write "pip install -r requirements.txt" as well.)

## Testing vgosDBpy

Finally, to try and run vgosDBpy just write **python3 -m vgosDBpy <wrapper\_path>**. You can also add a help flag **-h** to get more information.