



# Section: Introduction

Module : QGIS Installation



## A quick tour of the QGIS User Interface

*"QGIS runs on all major desktop environments – in this module we look at how to install it on your machine."*

The first place to go when installing QGIS is <http://download.qgis.org>. In this section we explore the setup process on Windows, Ubuntu 16.04 and MacOS.

### You try

**Goal:** To install QGIS!

**Ubuntu** : paste the following into a terminal window and press enter

```
sudo su
echo "deb http://qgis.org/debian xenial main" >> /etc/apt/sources.list
echo "deb-src http://qgis.org/debian xenial main" >> /etc/apt/sources.list
wget -O - http://qgis.org/downloads/qgis-2017.gpg.key | gpg --import
wget -O - http://qgis.org/downloads/qgis-2017.gpg.key | apt-key add -
apt update
apt-get install -y qgis python-qgis qgis-plugin-grass
```

#### Windows

- Get the 2.18 release of QGIS from <http://www.qgis.org/en/site/forusers/download.html>
- Make sure to choose the appropriate version – 32 or 64 bit. Most likely you will need the 64 bit version unless your computer and operating system are old
- Once the setup file has downloaded, double click it and just press 'next for all the prompts'.

#### MacOS

- Download the 2.18 installer DMG from <http://www.kyngchaos.com/software/qgis>
- Double click the DMG to open it
- Inside you will find sequentially numbered .pkg files – run each one in turn



### Check your results:

- Launch QGIS – take care of the fact that there are a number of QGIS icons – use the 'QGIS Desktop' icon not the 'QGIS Browser' icon.
- Verify that it opens properly on your machine.



## More about installing QGIS

For most users, the installation process is seamless and effortless. If you are one of the unlucky ones where it did not work, here is what you should do:

### Windows:

- Try running the installer as Administrator (you may need someone to do it for you if you do not have admin rights)
- Make sure you are using the correct version for your system – 64 bit installers will not work on 32 bit machines

### Linux:

- Make sure you have sudo rights to install packages on your machine and that your package repositories are up to date.
- If you are using a distribution other than Ubuntu 16.04 (or one based on it) you may need to ask for help on the QGIS mailing lists – though do a google search first and check if someone has already documented the process.

### MacOS:

- Make sure you install all the provided .pkg files and in the proper sequence
- If you launch the QGIS application and nothing happens, go to Preferences -> Security and allow QGIS to run

QGIS also has chat rooms, mailing lists and an active forum of the gis stack exchange, so if you still encounter issues, please ask there.

If you want to pay a developer or support provider to help you, please see [https://www.qgis.org/en/site/forusers/commercial\\_support.html](https://www.qgis.org/en/site/forusers/commercial_support.html) to find a support provider who can help you!

