



DOWNLOAD & INSTALLATION

QUICK FACTS ABOUT QGIS

- ✓ Quantum GIS, often called QGIS and pronounced as **"kjugis"**
- ✓ An open source GIS desktop application or geographic information system software.
- ✓ A completely free, open content resource for people who want to learn about GIS without being overloaded with jargon and new terminology.
- ✓ The project was born in May of 2002 and was established as a project on [SourceForge](#) in June of the same year. The originators of this project worked hard to make GIS software (which is traditionally an expensive proprietary software) a viable prospect for anyone with basic access to a personal computer.
- ✓ QGIS aims to be a user-friendly GIS, providing common functions and features. The initial goal of the project was to provide a GIS data viewer. However, QGIS has reached the point in its evolution where it is now being used by many for their daily GIS data-viewing needs. QGIS supports several raster and vector data formats, with new format support easily added using the plugin architecture.
- ✓ QGIS currently runs on most Unix platforms, Windows, and macOS. QGIS is developed using the Qt toolkit (<https://www.qt.io>) and C++. This means that QGIS feels snappy and has a pleasing, easy-to-use graphical user interface (GUI).
- ✓ Data sources, training guides and manuals for use can all be gotten freely online.
- ✓ You can always obtain the latest QGIS documentation by visiting the online [website](#).

QGIS DOWNLOAD OPTIONS

1. Our practice version is QGIS 3.18.3. (**Recommended**).
 - a. [32 Bits for Windows](#)
 - b. [64 Bits for Windows](#)
2. Use the link below for downloading the “Longest & Most Stable” version of QGIS: [Click Here!](#)

SYSTEM REQUIREMENTS FOR USING QGIS

System Components	**Minimum	Recommended
Processor - CPU	Core i3 2.7 Ghz	Core i7 3.5 Ghz
Memory RAM	2 Gb	8 Gb or More
Hard Disk	500 Gb SATA	SSD de 128 Gb or 500 Gb SATA
Graphic Card	1 Gb RAM	2 Gb RAM (NVIDIA GeForce)
Operating System	Windows 7-10, MacOS, Linux, BSD, and (Various Android Apps) for mobile and Tablets	Windows 7-10, MacOS, Linux, BSD, and (Various Android Apps) for mobile and Tablets

****NOTE:** QGIS is a jealous software. When in use, it does not like sharing the system’s memory with other applications. Close other memory consuming applications running in the background that are not useful at the time.

DOWNLOADING QGIS (option 2)

Step1.

On your computer system or work platform, open a web browser (preferably Google Chrome or any browser that works better on your system). Please note, QGIS is an open source free software. Thus, type this address on your opened internet web browser: www.qgis.org. The window that appears on your system should look like figure 1.

After clicking the download button above, the following window that appears on your system should look like figure 2 below. For demonstration purposes, we would assume “the installation platform” to be a computer system with a windows operating system.

Hence, depending on the “operating bit base processor type” of your computer system (see computer systems properties to determine yours - **it can be x32 or x64**), click to download from the QGIS standalone installer version the suitable bit for your computer system that is a long term release and most stable version (**highly recommended**). Save to a folder location in your computer. Wait and observe the download progress to completion.

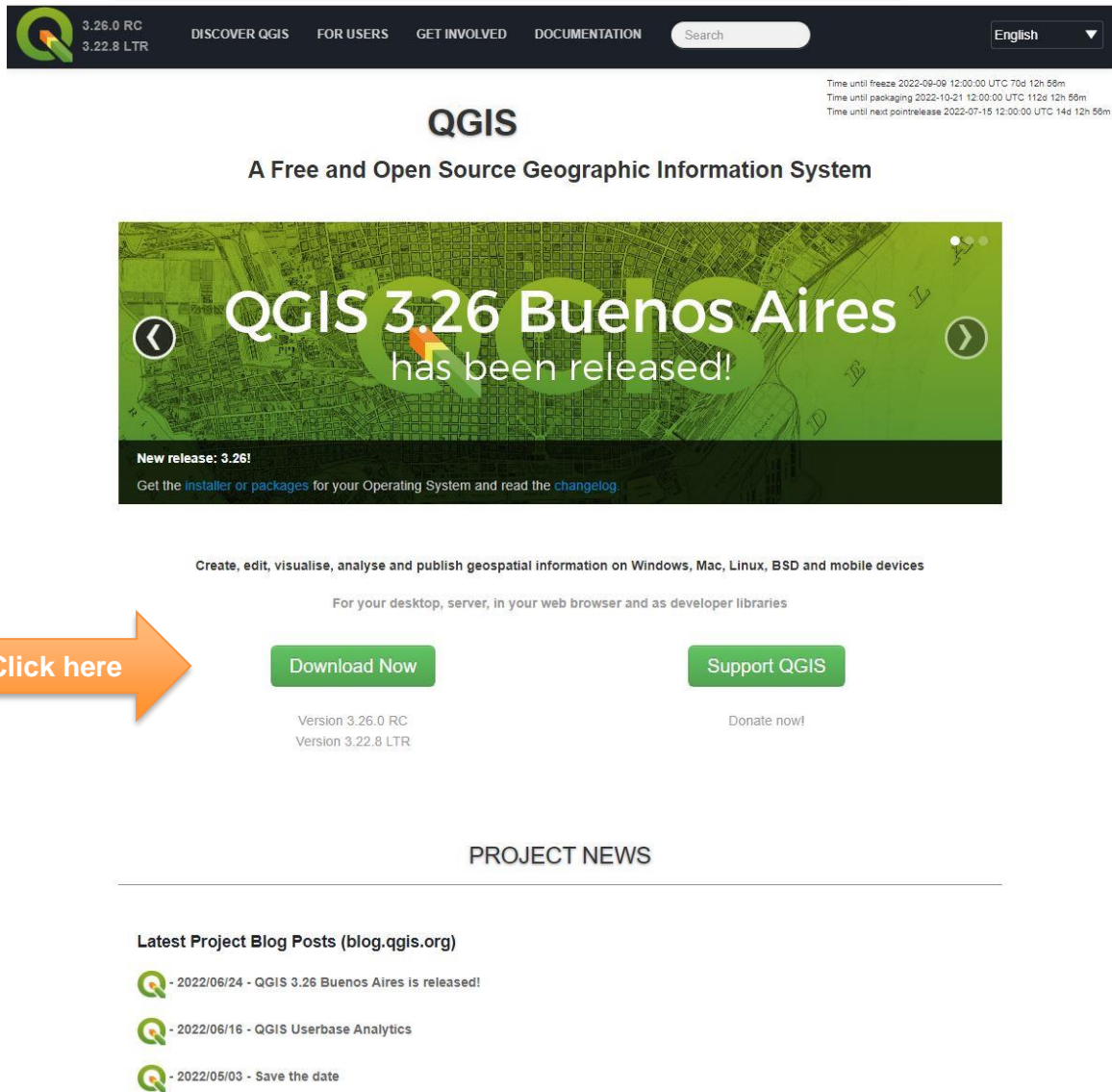



Figure 1: QGIS Official Page

INSTALLING QGIS

Step2.

After downloading and saving the application on your computer system or work platform, open the folder where the downloaded application was saved into. Right-click and "Run as Administrator" or Double click on **"QGIS-OSGeo4W-3.18.3-1-Setup x86_64"**. See figure 4 below. Wait for the installation process to start up.



3.26.0 RC
3.22.8 LTR

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English ▼

Download QGIS for your platform

Binary packages (installers) are available from this page.

The current version is QGIS 3.26.0 'Buenos Aires' and was released on 17.06.2022.


The long-term repositories currently offer QGIS 3.22.8 'Białowieża'.

QGIS is available on Windows, macOS, Linux and Android.

[INSTALLATION DOWNLOADS](#)
[ALL RELEASES](#)
[SOURCES](#)

Download for Windows

QGIS in OSGeo4W (recommended for regular users):



OSGeo4W Network Installer


In the installer choose **Express Install** and select **QGIS** to install the *latest release* or **QGIS LTR** to install the *long term release*. The express installations have several optional packages including non-free software. To avoid those you have to use the **Advanced Install** and choose **qgis** and/or **qgis-ltr** in the desktop section.

CAUTION: Upgrades of old setups from OSGeo4W v1 using this repository are not supported. You need to do a fresh install or use a different directory.

CAUTION: 32 bit binaries are not produced anymore. Also Windows 7 no longer works as we are now using Python 3.9, which dropped support for it.


Standalone installers (MSI) from OSGeo4W packages (recommended for new users)

Latest release (richest on features):



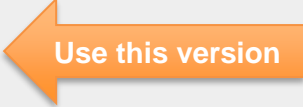
QGIS Standalone Installer Version 3.26
sha256

Long term release (most stable):



QGIS Standalone Installer Version 3.22
sha256

Note that the MSI installers are much bigger than the previous installers. This is because they include significant larger packages (eg. PROJ 8). The main reason for the switch to MSI were the size limits previously used NSIS has, which was blocking updates of dependencies.



Use this version

Download for macOS

Download for Linux

Download for BSD

Apps for mobile and tablet

All downloads

More specific instructions about downloading QGIS stable vs QGIS development can be found in [All downloads](#).

Datasets

For testing and learning purposes, a [sample dataset is available](#), which contains collections of data from different sources and in different formats.

Figure 2: QGIS Download Page

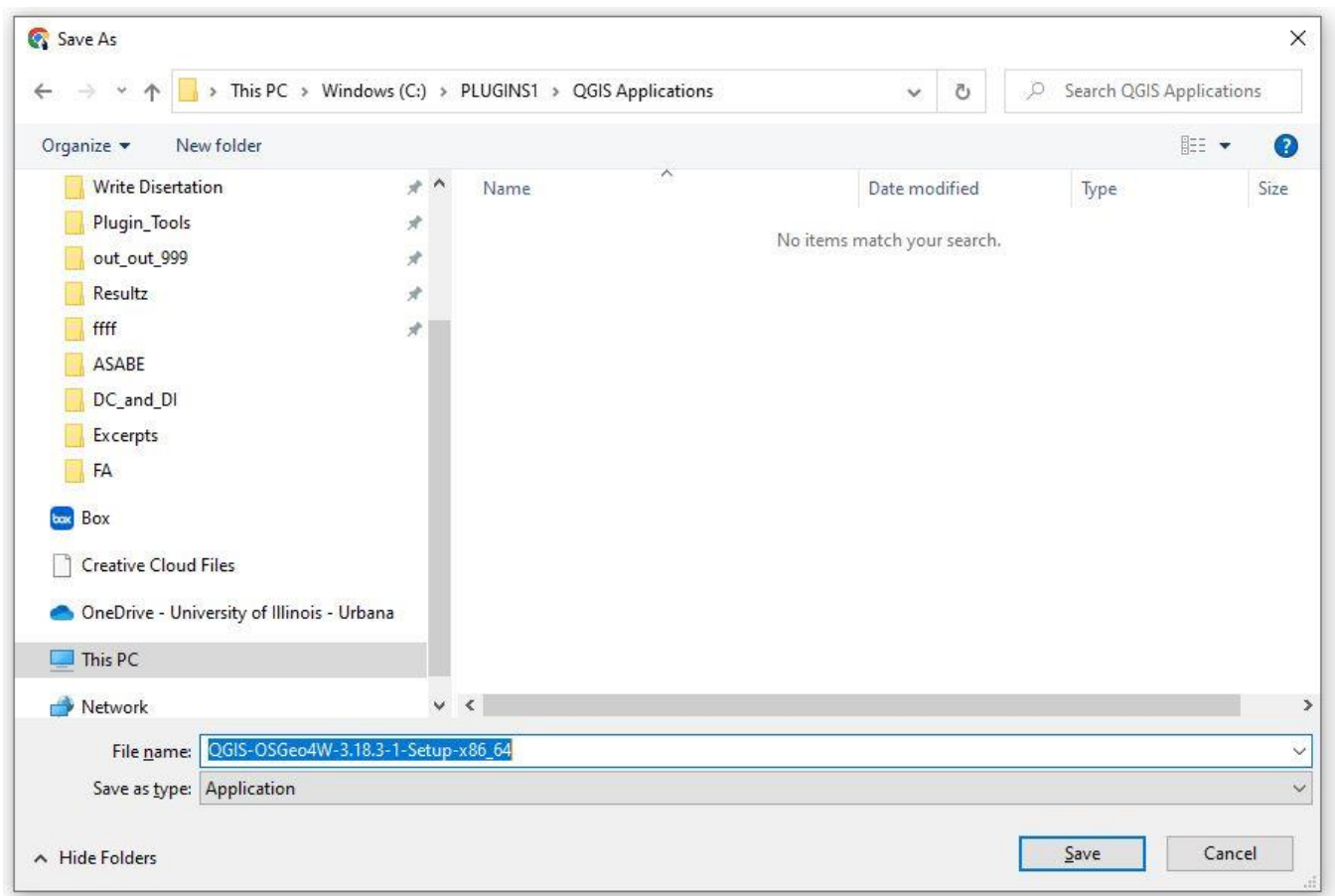


Figure 3: Download in Progress

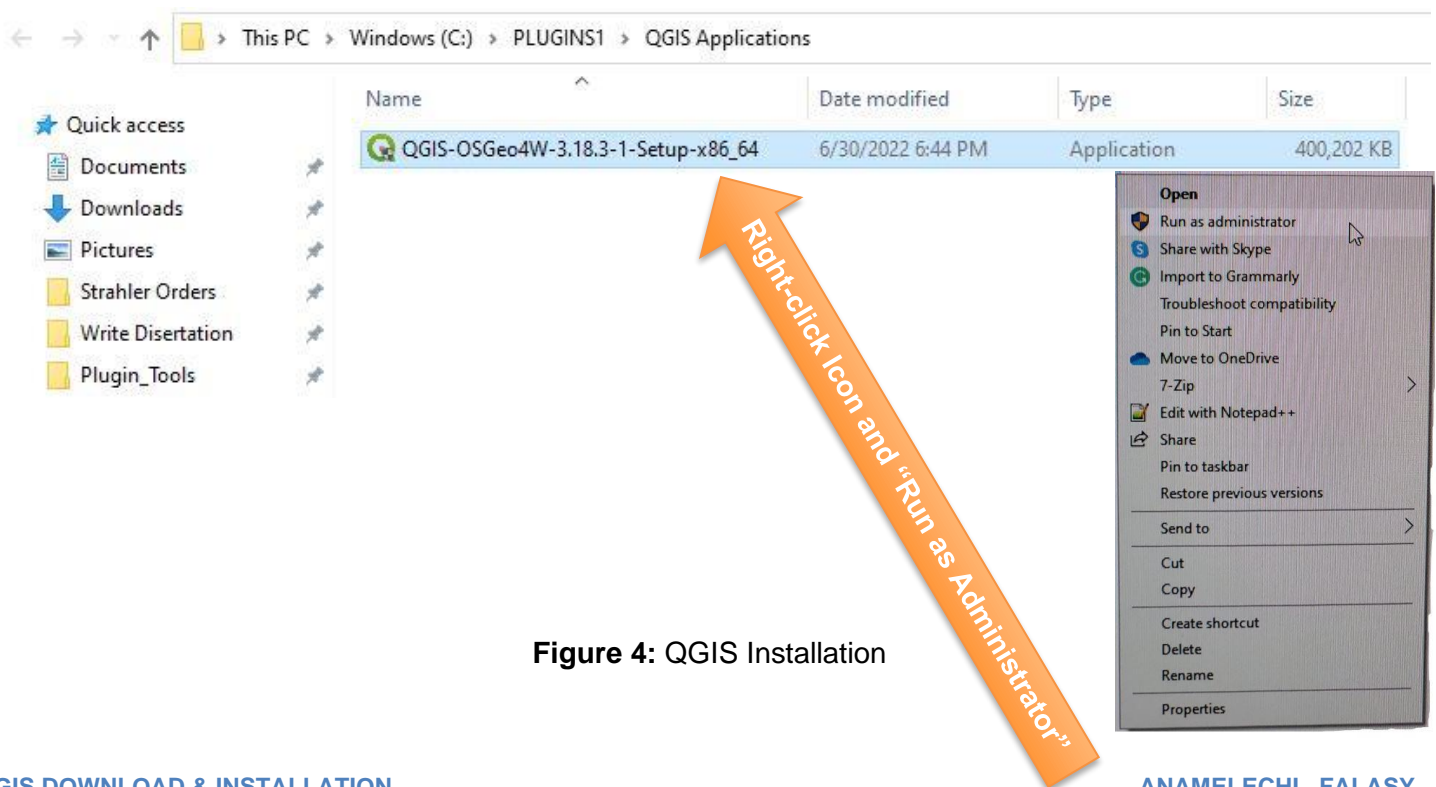


Figure 4: QGIS Installation

Step3.

Next, click on "Yes" once the installation prompt windows come up and wait for a few seconds for the process to initialize.

Step5.

For the welcome interface that appears when you start the QGIS installation process, Click on "Next".

Step6.

Next is the license agreement windows that the shows the information and the terms, for usage consent. Click on "I Agree".

Step7.

For the recommended destination, we can change it to a preferred location, if so desired. We just leave it so and press the button "Next".

Step8.

Next, the windows show and asked to select the components to download, usually we just leave it so and press the button "Install". Once done and the installation has begun, we simply wait for the process to get to completion.

Step9.

Hence, after the installation process is completed, we then click on the button "Finish" and we will have the software installed on our computer.

LAUNCHING QGIS

On your computer desktop, your will see a folder named QGIS 3.18.3 (***depending on the version you installed***) or go to the startup tool at the bottom left window of your computer and search for QGIS 3.18.3 installed folder and select QGIS Desktop 3.18.3 with GRASS 7.8.5. Now, double-click the icon **"QGIS Desktop 3.18.3 with GRASS 7.8.5"** to launch the application.

Once the QGIS icon is clicked on as shown below in figure 5, the launching process is initiated. Then, wait on for few seconds.

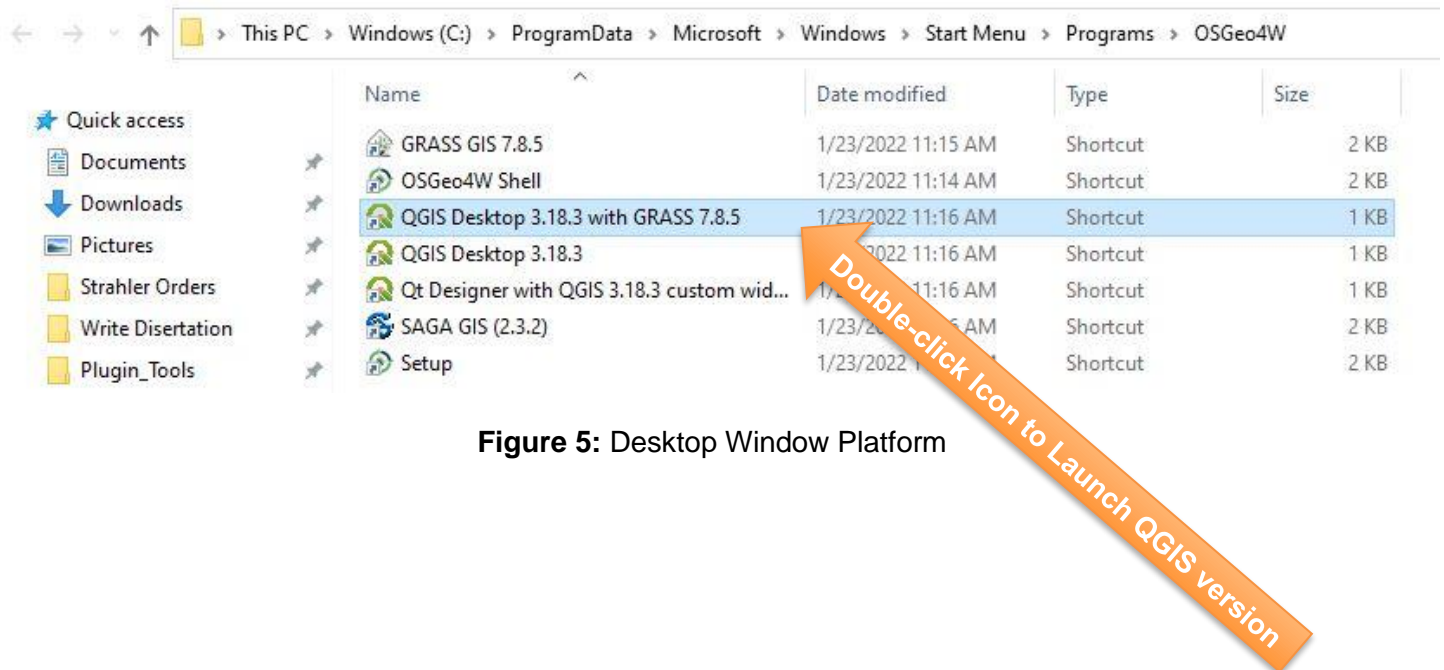


Figure 5: Desktop Window Platform