

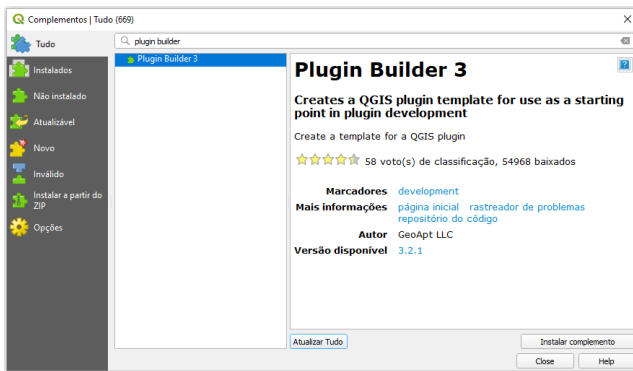
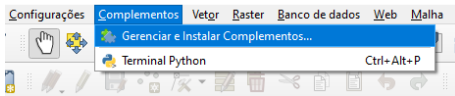
# PyQGIS - plugins de interface

Disciplina: Programação aplicada à engenharia cartográfica

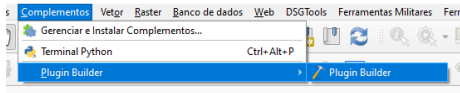
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25 de fevereiro de 2026

# Plugin Builder: Passo a passo



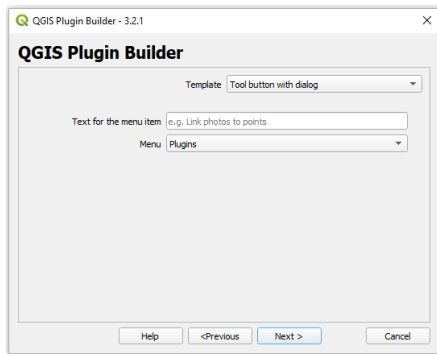
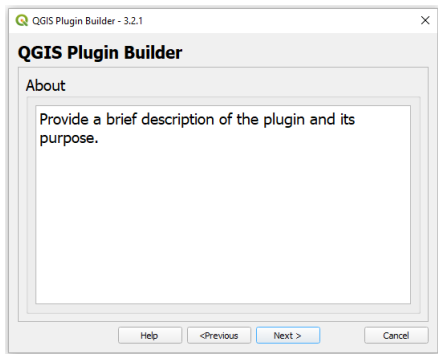
# Plugin Builder: Passo a passo

A screenshot of the 'QGIS Plugin Builder - 3.2.1' dialog box. The dialog has a title bar with the QGIS logo and the text 'QGIS Plugin Builder - 3.2.1'. The main area is titled 'QGIS Plugin Builder' and contains several input fields with placeholder text. At the bottom, there are four buttons: 'Help', '<Previous', 'Next >', and 'Cancel'.

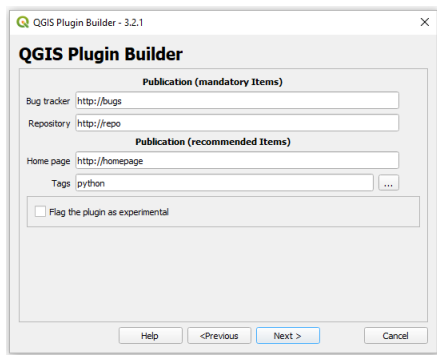
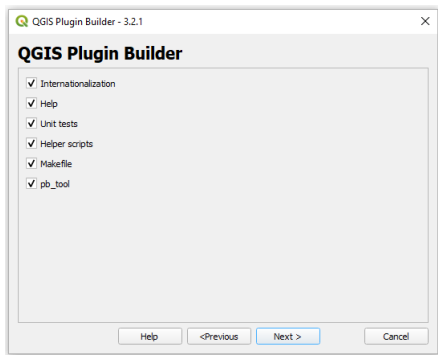
| Field                | Placeholder Text                        |
|----------------------|---|
| Class name           | e.g. PhotoLinker                        |
| Plugin name          | e.g. Photo Linker                       |
| Description          | e.g. This plugin links points to photos |
| Module name          | e.g. photo_linker                       |
| Version number       | 0.1                                     |
| Minimum QGIS version | 3.0                                     |
| Author/Company       | e.g. Acme widgets Inc.                  |
| Email address        | e.g. jack@qgis.org                      |

testPlugin  
Main Plugin  
mainPlugin

# Plugin Builder: Passo a passo



# Plugin Builder: Passo a passo



# Plugin Builder: Onde salvar?

- Onde salvar?
- LINUX
  - `/home/username/.local/share/QGIS/QGIS3/profiles/default/python/plugins/`
- WINDOWS
  - `C:\Users\<user>\AppData\Roaming\QGIS\QGIS3\profiles\default\python\plugins\`

# Criação de Plugin: Estrutura básica do plugin

- `__init__.py` = The starting point of the plugin. It has to have the `classFactory()` method and may have any other initialisation code.
- `mainPlugin.py` = The main working code of the plugin. Contains all the information about the actions of the plugin and the main code.
- `resources.qrc` = The .xml document created by Qt Designer. Contains relative paths to resources of the forms.
- `resources.py` = The translation of the .qrc file described above to Python.
- `form.ui` = The GUI created by Qt Designer.
- `form.py` = The translation of the form.ui described above to Python.
- `metadata.txt` = Contains general info, version, name and some other metadata used by plugins website and plugin infrastructure.

[https://docs.qgis.org/3.34/en/docs/pyqgis\\_developer\\_cookbook/plugins/plugins.html](https://docs.qgis.org/3.34/en/docs/pyqgis_developer_cookbook/plugins/plugins.html)