

Hands-on Satellite Imagery Analysis Tutorial Set Up

Minimum requirements, sufficient for most platforms:

A laptop with Python 2.7/Python 3+, Docker, and a Planet API key.

Detailed setup instructions:

- The coding exercises for this tutorial will use a local Jupyter Notebook server running in a Docker environment: to run the Notebooks on your local machine, Docker is required. To install Docker: follow download & installation instructions for your platform at <https://store.docker.com/search?type=edition&offering=community>
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- We'll use the FOSS desktop application QGIS to visually inspect satellite imagery: follow download & installation instructions at <https://qgis.org/en/site/forusers/download.html>
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- This tutorial will use free CC-BY-SA licensed data sourced from Planet's Data API. To access and download data, you will need an API key. Sign up for a free Planet account at <https://www.planet.com/explorer/?signup=1>; once signup is complete, your API key is available at <https://www.planet.com/account/>.