

Installation

Welcome to CosmPy , the Python-based library that streamlines your interactions with Cosmos SDK based blockchain networks.

System Requirements

The [CosmPy ↗\(opens in a new tab\)](#) package is a Python library running on Ubuntu/Debian, and MacOS systems.

On your computer, you may need to install:

- [Python ↗\(opens in a new tab\)](#)
- 3.8, 3.9 or 3.10.
- [PIP ↗\(opens in a new tab\)](#)
- (Python Installs Packages).
- [Poetry ↗\(opens in a new tab\)](#)
- for virtual environments (optional).
- [CosmPy ↗\(opens in a new tab\)](#)
- .

Walk-through

Install with Pip

1. First of all, create a directory for cosmpy related projects: `mkdir directory_name`
2. Within the directory, let's create and open a virtual environment using Poetry: `poetry init -n && poetry shell`
3. (Optional)
4. Then, install CosmPy with the following command: `pip install cosmpy`
5. Finally, check if installation was successful: `pip show cosmpy`

Once installed, you should see the following output on your terminal:

Name: cosmpy Version: 0.9.0 Summary: A library for interacting with the cosmos networks Home-page: <https://github.com/fetchai/cosmpy> Author: Fetch.AI Limited Author-email: License: Apache-2.0 Requires: bech32, ecdsa, grpcio, jsonschema, protobuf, pycryptodome, python-dateutil, requests

Install from source code

1. First of all, download the latest released version from Github and navigate to the cosmpy directory:
2. `git clone https://github.com/fetchai/cosmpy.git`
3. `cd cosmpy`
4. Then install the required dependencies:
5. `poetry install`
6. Lastly, open the virtual environment:
7. `poetry shell`

For more information on CosmPy, visit our dedicated [GitHub ↗\(opens in a new tab\)](#) repository.

i If you wish to expand your knowledge on these topics, please visit our [GitHub repository ↗\(opens in a new tab\)](#) for CosmPy and also checkout our dedicated [CosmPy guides ↗](#) and [CosmPy references ↗](#) for information on CosmPy APIs.

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