

# Installation

You should install `✂Actions` in a [virtual environment](#) . If you're unfamiliar with Python virtual environments, take a look at this [guide](#) . A virtual environment makes it easier to manage different projects, and avoid compatibility issues between dependencies.

Start by creating a virtual environment in your project directory:

```

Copy `python-mvenv.env`

```

Activate the virtual environment.

MacOs and Linux Windows ```

Copy `source.env/bin/activate`

Copy `.env/Scripts/activate`

``` Now you're ready to install `✂Actions` with the following command:

```

Copy `pipinstallgiza-actions`

```

Note that you will have also to install [Giza CLI](#) to create [workspaces](#) and [deployments](#) .`pipx install giza-cli`

Install from source

Install `✂Actions` from source with the following command:

```

Copy `pipinstallgit+https://github.com/gizatechxyz/actions-sdk`

```

This command installs the bleeding edgemain version rather than the lateststable version. Themain version is useful for staying up-to-date with the latest developments. For instance, if a bug has been fixed since the last official release but a new release hasn't been rolled out yet. However, this means themain version may not always be stable. We strive to keep themain version operational, and most issues are usually resolved within a few hours or a day. If you run into a problem, please open an [issue](#) so we can fix it even sooner!

Editable install

You will need an editable install if you'd like to:

- Use themain
- version of the source code.
- Contribute to `✂Actions` and need to test changes in the code.
- 

Clone the repository and install `✂Actions` with the following commands:

```

Copy `git clone https://github.com/gizatechxyz/actions-sdk.git cd actions-sdk pip install -e .`

```

These commands will link the folder you cloned the repository to and your Python library paths. Python will now look inside the folder you cloned to in addition to the normal library paths. For example, if your Python packages are typically installed in `~/anaconda3/envs/main/lib/python3.7/site-packages/` , Python will also search the folder you cloned to: `~/actions-sdk/` .

You must keep the `actions-sdk` folder if you want to keep using the library.

Now you can easily update your clone to the latest version of `✂Actions` with the following command:

...

Copy `cd ~/actions-sdk/` `git pull`

...

Your Python environment will find the main version of `Actions` on the next run.

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