

# User guide for the repository **IO-TEMPLATE-APP**

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**IO-TEMPLATE-APP** is a template repository for creating Python applications. This document describes how to use this repository to create a new repository. In the following instructions, we assume that the new repository should be named **my-repo** and the application to be created with it should be named **myapp**.

## I. Requirements

Regarding operating system, Ubuntu version 20.04 and above and Windows version 10 and above are supported. An existing Python 3 installation is required. Furthermore, the use of an IDE or a text editor that can replace texts across files is useful.

## II. Repository creation

### 1. Create the new repository **my-repo**

As described [here](#), the new repository my-repo must first be created. The creation of a very minimal basic version is sufficient, i.e. the only necessary parameter is the repository name.

### 2. Copy the repository **io-template-app**

- Open Git Bash

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- Create a bare clone of the repository.

```
git clone --bare https://github.com/io-aero/io-template-app
```

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- Mirror-push to the new repository

```
cd io-template-app.git git push --mirror https://github.com/io-aero/my-repo
```

- 
- Remove the temporary local repository you created earlier

```
cd .. rm -rf io-template-app.git
```

### 3. Create a local copy of the new repository **my-repo**

```
git clone https://github.com/io-aero/my-repo
```

### 4. Delete the two files with the User's Guide

```
`user_guide.md`  
`user_guide.pdf`
```

## 5. Rename the following file directories and files

Old name	New name
<code>iotemplateapp</code>	<code>myapp</code>
<code>run_io_template_app.bat</code>	<code>run_my_repo.bat</code>
<code>run_io_template_app.sh</code>	<code>run_my_repo.sh</code>
<code>settings_io_template_app.toml</code>	<code>settings_my_repo.toml</code>

## 4. Replacing texts in the new repository `my-repo`

It is absolutely necessary to respect the capitalization!

Old text	New text
<code>IO-TEMPLATE-APP</code>	<code>MY-REPO</code>
<code>IO_TEMPLATE_APP</code>	<code>MY_REPO</code>
<code>io-template-app</code>	<code>my-repo</code>
<code>io_template_app</code>	<code>my_repo</code>
<code>iotemplateapp</code>	<code>myrepo</code>

## 5. Store your AWS access rights in file `~/.aws/credentials`

```
[default]
aws_access_key_id=...
aws_secret_access_key=...
```

## 6. Test the current state of the new application

```
make pipenv-dev
make-final
```

## 7. Commit and push all changes to the repository as 'Base version'