



# **IO Template App Documentation**

## ***Manual***

**IO-Aero Team**

Dec 22, 2023



<b>1</b>	<b>Introduction</b>	<b>1</b>
<b>2</b>	<b>Requirements</b>	<b>3</b>
<b>3</b>	<b>Installation</b>	<b>5</b>
<b>4</b>	<b>Configuration</b>	<b>7</b>
4.1	settings.io_template_app.toml . . . . .	7
<b>5</b>	<b>First Steps</b>	<b>9</b>
<b>6</b>	<b>Advanced Usage</b>	<b>11</b>
<b>7</b>	<b>iotemplateapp package</b>	<b>13</b>
7.1	Submodules . . . . .	13
7.2	Module contents . . . . .	13
<b>8</b>	<b>Release Notes</b>	<b>15</b>
8.1	Version 1.0.0 . . . . .	15
8.2	Detailed Open Issues . . . . .	15
<b>9</b>	<b>End-User License Agreement</b>	<b>17</b>
9.1	End-User License Agreement (EULA) of IO-Aero Software . . . . .	17
	<b>Python Module Index</b>	<b>19</b>
	<b>Index</b>	<b>21</b>



---

## Introduction

---

TODO



---

# Requirements

---

The required software is listed below. Regarding the corresponding software versions, you will find the detailed information in the [Release Notes](#).

- Operating System

Continuous delivery / integration (CD/CI) runs on **Ubuntu** and development is done with **Windows 10**. For the Windows operating systems, only additional the functionality of the ``make`` tool must be made available, e.g. via [Make for Windows](#).

- [Python](#)

Because of the use of the new typing features, at least version 3.10 is required.

- [GDAL](#)

GDAL is an open source MIT licensed translator library for raster and vector geospatial data formats.

- [Rasterio](#)

Geographic information systems use GeoTIFF and other formats to organize and store gridded, or raster, datasets. Rasterio reads and writes these formats and provides a Python API based on N-D arrays.





---

## Installation

---

TODO



---

## Configuration

---

### 4.1 settings.io\_template\_app.toml

This file controls the behaviour of the **IO-TEMPLATE-APP** library.

The customisable entries are:

Parameter	Default	Description
is_verbose	true	Display progress messages for processing.

The configuration parameters can be set differently for the individual environments (dev, prod and test).

**Examples:**

```
[default]
is_verbose = true
[dev]
[prod]
[test]
is_verbose = true
...

.. |version| replace:: 1.3.1
.. |today| replace:: 2023-12-22
.. |release| replace:: 1-3-1
```



---

## First Steps

---

TODO



---

## Advanced Usage

---

TODO





---

## iotemplateapp package

---

### 7.1 Submodules

### 7.2 Module contents

IO-TEMPLATE-APP.



---

## Release Notes

---

### 8.1 Version 1.0.0

Release Date: dd.mm.2023

#### 8.1.1 1 New Features

- TODO

#### 8.1.2 2 Modified Features

- TODO

#### 8.1.3 3 Deleted Features

- TODO

#### 8.1.4 4 Applied Software

TODO

Component	Version	Remark	Status
xxx	9.9.9	xxx	xxx

Windows-specific Software

Component	Version	Remark	Status
xxx	9.9.9	xxx	xxx

#### 8.1.5 5 Open Issues

- TODO

### 8.2 Detailed Open Issues

- TODO



---

## End-User License Agreement

---

### 9.1 End-User License Agreement (EULA) of IO-Aero Software

This End-User License Agreement (“**EULA**”) is a legal agreement between you and **IO-Aero**.

This **EULA** agreement governs your acquisition and use of our **IO-Aero Software** (“**Software**”) directly from **IO-Aero** or indirectly through a **IO-Aero** authorized reseller or distributor (a “**Reseller**”).

Please read this **EULA** agreement carefully before completing the installation process and using the **IO-Aero Software**. It provides a license to use the **IO-Aero Software** and contains warranty information and liability disclaimers.

If you register for a free trial of the **IO-Aero Software**, this **EULA** agreement will also govern that trial. By clicking “accept” or installing and/or using the **IO-Aero Software**, you are confirming your acceptance of the **Software** and agreeing to become bound by the terms of this **EULA** agreement.

If you are entering into this **EULA** agreement on behalf of a company or other legal entity, you represent that you have the authority to bind such entity and its affiliates to these terms and conditions. If you do not have such authority or if you do not agree with the terms and conditions of this **EULA** agreement, do not install or use the **Software**, and you must not accept this **EULA** agreement.

This **EULA** agreement shall apply only to the **Software** supplied by **IO-Aero** herewith regardless of whether other software is referred to or described herein. The terms also apply to any **IO-Aero** updates, supplements, Internet-based services, and support services for the **Software**, unless other terms accompany those items on delivery. If so, those terms apply.

#### 9.1.1 License Grant

**IO-Aero** hereby grants you a personal, non-transferable, non-exclusive licence to use the **IO-Aero Software** on your devices in accordance with the terms of this **EULA** agreement.

You are permitted to load the **IO-Aero Software** (for example a PC, laptop, mobile or tablet) under your control. You are responsible for ensuring your device meets the minimum requirements of the **IO-Aero Software**.

#### 9.1.2 You are not permitted to:

- Edit, alter, modify, adapt, translate or otherwise change the whole or any part of the **Software** nor permit the whole or any part of the **Software** to be combined with or become incorporated in any other software, nor decompile, disassemble or reverse engineer the **Software** or attempt to do any such things
- Reproduce, copy, distribute, resell or otherwise use the **Software** for any commercial purpose
- Allow any third party to use the **Software** on behalf of or for the benefit of any third party

- Use the Software in any way which breaches any applicable local, national or international law
- use the Software for any purpose that **IO-Aero** considers is a breach of this **EULA** agreement Intellectual Property and Ownership

**IO-Aero** shall at all times retain ownership of the Software as originally downloaded by you and all subsequent downloads of the Software by you. The Software (and the copyright, and other intellectual property rights of whatever nature in the Software, including any modifications made thereto) are and shall remain the property of **IO-Aero**.

**IO-Aero** reserves the right to grant licences to use the Software to third parties.

### 9.1.3 Termination

This **EULA** agreement is effective from the date you first use the Software and shall continue until terminated. You may terminate it at any time upon written notice to **IO-Aero**.

It will also terminate immediately if you fail to comply with any term of this **EULA** agreement. Upon such termination, the licenses granted by this **EULA** agreement will immediately terminate, and you agree to stop all access and use of the Software. The provisions that by their nature continue and survive will survive any termination of this **EULA** agreement.

### 9.1.4 Governing Law

This **EULA** agreement, and any dispute arising out of or in connection with this **EULA** agreement, shall be governed by and construed in accordance with the laws of the United States.

- genindex
- modindex

**i**

iotemplateapp, [13](#)





## I

iotemplateapp  
    module, [13](#)

## M

module  
    iotemplateapp, [13](#)

