
ordered-map

Release 1.0.0

Jeroen F.J. Laros

May 31, 2021

CONTENTS:

1	Introduction	3
1.1	See also	3
2	Installation	5
2.1	From source	5
3	Usage	7
3.1	Reading ordered maps	7
3.2	Writing ordered maps	7
4	Command Line Interface	9
4.1	Positional Arguments	9
4.2	Named Arguments	9
4.3	Sub-commands:	9
5	Library	11
6	API documentation	13
7	Contributors	15
	Python Module Index	17
	Index	19

This package provides:

- A library for reading and writing ordered maps.
- A command line interface for converting an ordered map to YAML and vice versa.

Ordered maps are used in the Arduino platform software to handle [configurations](#) made of key/value pairs stored in files with an INI like syntax.

Please see [ReadTheDocs](#) for the latest documentation.

INTRODUCTION

This package provides a library for reading and writing ordered maps and a command line interface for converting an ordered map to YAML and vice versa.

Ordered maps are used in the Arduino platform software to handle [configurations](#) made of key/value pairs stored in files with an INI like syntax.

1.1 See also

This [Golang](#) library for parsing and generating ordered maps is used in the Arduino platform software.

INSTALLATION

The software is distributed via [PyPI](#), it can be installed with `pip`:

```
pip install ordered-map
```

2.1 From source

The source is hosted on [GitHub](#), to install the latest development version, use the following commands.

```
git clone https://github.com/jfjlaros/ordered-map.git
cd ordered-map
pip install .
```


USAGE

The command line interface can be used for converting an ordered map to a YAML file or vice versa. It currently has two subcommands: `read` and `write`. Use the `-h` option for more information.

```
ordered_map -h
```

3.1 Reading ordered maps

The `read` subcommand is used for reading an ordered map and converting it to YAML.

```
ordered_map read boards.txt boards.yml
```

3.2 Writing ordered maps

The `write` subcommand is used for reading a YAML file and converting it to an ordered map.

```
ordered_map write boards.yml boards.txt
```


COMMAND LINE INTERFACE

Ordered map parser and writer.

```
usage: ordered_map [-h] [-v] {read,write} ...
```

4.1 Positional Arguments

subcommand Possible choices: read, write

4.2 Named Arguments

-v show program's version number and exit

4.3 Sub-commands:

4.3.1 read

Convert an ordered map file to a YAML file.

```
ordered_map read [-h] INPUT OUTPUT
```

Positional Arguments

INPUT input file

OUTPUT output file

4.3.2 write

Convert a YAML file to an ordered map file.

```
ordered_map write [-h] INPUT OUTPUT
```

Positional Arguments

INPUT	input file
OUTPUT	output file

Copyright (c) Jeroen F.J. Laros <jaros@fixedpoint.nl>

LIBRARY

The API library provides the read and write functions.

```
>>> from ordered_map import read, write
```

The read function reads an ordered map file string and returns a nested dictionary.

```
>>> data = read(open('boards.txt').read())
>>> data['FTDI_PID_6001']['vid'][0]
'0x0403'
```

The write function writes a nested dictionary to an ordered map file string.

```
>>> open('/tmp/x.txt', 'w').write(write(data))
```


API DOCUMENTATION

`ordered_map.ordered_map.read(string: str) → dict`

Parse an ordered map file.

Parameters **string** – Content of an ordered map file.

Returns An ordered map.

`ordered_map.ordered_map.write(data: dict) → str`

Write an ordered map to a file.

Parameters **data** – An ordered map.

Returns Content of an ordered map file.

CONTRIBUTORS

- Jeroen F.J. Laros <jlaros@fixedpoint.nl> (Original author, maintainer)

Find out who contributed:

```
git shortlog -s -e
```


PYTHON MODULE INDEX

O

`ordered_map.ordered_map`, 13

INDEX

M

module

ordered_map.ordered_map, 13

O

ordered_map.ordered_map

module, 13

R

read() (*in module ordered_map.ordered_map*), 13

W

write() (*in module ordered_map.ordered_map*), 13