binario-docs Documentation

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Package that lets an application read/write primitive data types from an underlying input/output stream as binary data.

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What is the binario?

binario is the Python package that lets an application read/write primitive data types from an underlying input/output stream as binary data. It can work with booleans, integers, shorts, long integers, floats, doubles, strings and any byte buffers.

CHAPTER 3

Getting started

First of all, install or upgrade package:

```
>>> pip install binario
>>> pip install binario --upgrade
```

If you want to write data, create instance of *Writer* and then do your work:

```python
>>> import binario
>>> w = binario.Writer("file.dat")
>>> w.write_short(2014)
>>> w.write_bool(True)
>>> w.write_float(3.1415)
>>> w.write_string("Hello, world!")
>>> w.write(bytes([128, 20, 10, 255, 0]))
```

Also, if you want to read data, do similar things. Like outputting, create *Reader* and then do your work:

```python
>>> import binario
>>> r = binario.Reader("file.dat")
>>> r.read_short()
2014
>>> r.read_bool()
True
>>> r.read_float()
3.1415
>>> r.read_string()
"Hello, world!"
>>> r.read(5)
b'\x80\x14\n\xff\x00'
```

By default **binario** use *network* byte order (or *big-endian*). It is can be changed to *little-endian*:

```python
>>> import binario
>>> r = binario.Reader("file.dat", binario.LITTLE_ENDIAN)
>>> w = binario.Writer("another_file.dat", binario.BIG_ENDIAN)
```

If you want to append new data to existing file, do next:

```
>>> import binario
>>> w = binario.Writer("incomplete_file.dat", append=True)
```