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# **python-camellia Documentation**

***Release 1.0***

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**Sep 24, 2020**



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This is the documentation of python-camellia, a cryptographic library implementing the [Camellia](#) cipher in python.

```
>>> import camellia
>>> plain = b"This is a text. "
>>> c1 = camellia.CamelliaCipher(key=b'16 byte long key', IV=b'16 byte iv. xxxx',
↳mode=camellia.MODE_CBC)
>>> encrypted = c1.encrypt(plain)
>>> c2 = camellia.CamelliaCipher(key=b'16 byte long key', IV=b'16 byte iv. xxxx',
↳mode=camellia.MODE_CBC)
>>> c2.decrypt(encrypted)
b'This is a text. '
```



# CHAPTER 1

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## Installation

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Install with `pip`:

```
$ pip install python-camellia
```





- 2.1 The *new* constructor**
- 2.2 Modes of operation**
- 2.3 The *CamelliaCipher* class**
- 2.4 Low-level camellia functions**



## CHAPTER 3

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### Licenses

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python-camellia is dual licensed:

- The Python code is MIT licensed,
- the C code is 2-Clause-BSD licensed.