
mongo-memoize Documentation

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A Python decorator library for instantly caching function results in MongoDB.

Basic Usage

```
from mongo_memoize import memoize

@memoize()
def func():
    ...
```

Customization

You can specify custom *serializer* and *key_generator*. *serializer* is used to serialize function results in order to convert them into formats that can be stored in MongoDB. *key_generator* generates a cache key from the function arguments. `PickleSerializer` and `PickleMD5KeyGenerator` are used by default.

```
from mongo_memoize import memoize, NoopSerializer, PickleMD5KeyGenerator

@memoize(serializer=NoopSerializer, key_generator=PickleMD5KeyGenerator)
def func():
    ...
```

Using Capped Collection

Capped collection is a MongoDB feature which allows to limit the maximum size of the collection. By setting `capped=True`, a capped collection is created automatically.

```
from mongo_memoize import memoize

@memoize(capped=True, capped_size=100000000)
def func():
    ...
```

For further information, please refer the [API Reference](#).

Note: It is required that the result of the function can be stored directly in MongoDB when you use this serializer.

class `mongo_memoize.PickleSerializer` (*protocol=-1*)
Serializer using Pickle.

Parameters `protocol` (*int*) – Pickle protocol version.

class `mongo_memoize.PickleMD5KeyGenerator` (*protocol=-1*)
Cache key generator using Pickle and MD5.

Parameters `protocol` (*int*) – Pickle protocol version.

Indices and tables

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