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# **mdm-python-client Documentation**

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This project contains a REST API client for **MDM** (Metadatamanagement System) of the Research Data Center of the DZHW.



# CHAPTER 1

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## Description

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The client can be used to retrieve metadata from the public [REST API](#) of the [MDM](#). Currently it uses a cache which gets stale after 24 hours.

You can install the latest version of this client with

```
pip install git+https://github.com/dzhw/mdm-python-client.git#v1.0.106
```

The previous last version which supports Python 2.7 can be installed with

```
pip install git+https://github.com/dzhw/mdm-python-client.git#v1.0.104
```

The installation will also install a command line version which you can run with

```
mdm --help
```

The following snippet demonstrates how to use the client programmatically:

```
from mdm_python_client.mdm_client import get_datapackage

def test_get_datapackage():
    datapackage = get_datapackage("stu-gra2005$")
    if datapackage is not None:
        print("Pakettitel:", datapackage.title.de)
        print("DOI:", datapackage.doi)
        print("Veröffentlichungsjahr:", datetime.datetime.strptime(datapackage.
↪release.firstDate,
                                                                    '%Y-%m-%dT%H:%M:%S.%f') .
↪strftime("%Y"))
    else:
        print("Datenpaket mit id", args.datapackageId, "nicht gefunden!")
```



## CHAPTER 2

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Having trouble?

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Please file an issue in the [issue tracker](#) of the [MDM](#).



# CHAPTER 3

## Contents

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Version 3, 19 November 2007

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## 3.2 Developers

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## 3.3 Changelog

### 3.3.1 Version 0.0.1

- Quick implementation of an MDM client including caching

### 3.3.2 Version 0.0.2

- Move cache to temp directory

### 3.3.3 Version 0.0.3

- Try to detect directory with proper access rights for our CMS

### 3.3.4 Version 1.0.88

First production release:

- Client uses persistent cache which is valid for 24 hours.
- It falls back to in-memory cache if the file for storing the cache cannot be written.
- In case of any (network) error the cached result (if present) is returned.

### 3.3.5 Version 1.0.104

- Change study to data package
- Fix issues with python 3.7
- upgrade dependencies

### 3.3.6 Version 1.0.106

- Migrate to Github Actions
- Drop Python 2.7 support

## 3.4 mdm\_python\_client

### 3.4.1 mdm\_python\_client package

#### Submodules

`mdm_python_client.main` module

`mdm_python_client.mdm_client` module

#### Module contents

## CHAPTER 4

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### Indices and tables

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- `genindex`
- `modindex`
- `search`