
requests-mv-integrations

Documentation

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TUNE Inc.

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CHAPTER 1

Introduction

Extension of Python HTTP [requests](#) with verbose logging using [logging-mv-integrations](#).

CHAPTER 2

Badges

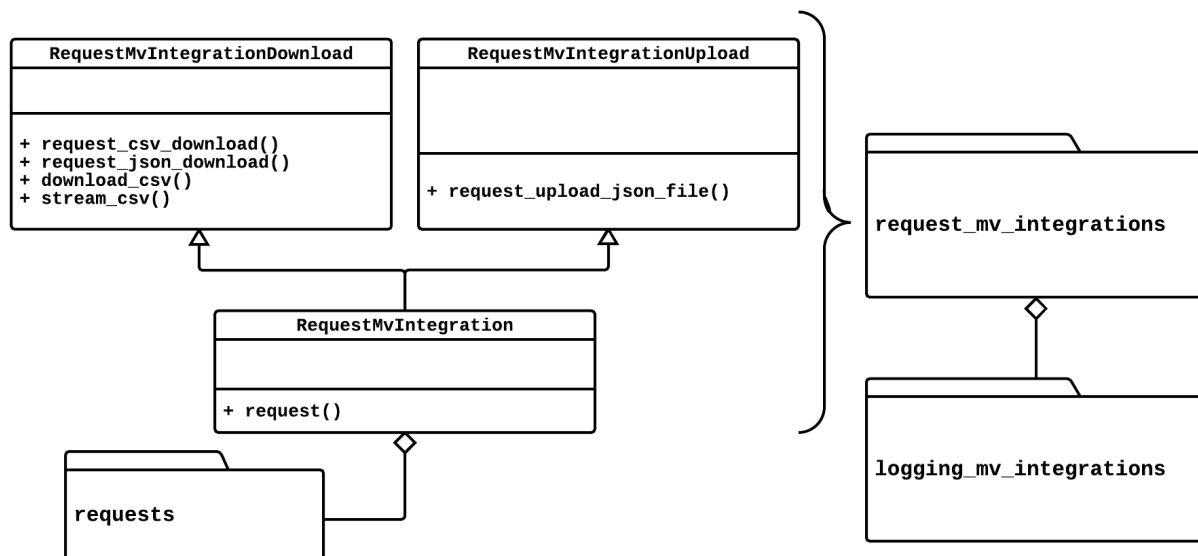
docs	
info	
tests	
package	
other	

CHAPTER 3

Install

```
pip install requests_mv_integrations
```


`requests-mv-integrations` is an extension of the [Python package requests](#) and it is used for TUNE Multiverse Integrations for handling all HTTP requests including APIs in REST and SOAP, screen scrapping, and handling response downloads in JSON, XML, and CSV.



CHAPTER 5

Usage

```
URL_TUNE_MAT_API_COUNTRIES = \
    'https://api.mobileapptracking.com/v2/countries/find.json'

from requests_mv_integrations import (
    RequestMvIntegrationDownload,
)
request_download = RequestMvIntegrationDownload(logger_level=logging.DEBUG)

result = \
    request_download.request(
        request_method='GET',
        request_url=URL_TUNE_MAT_API_COUNTRIES,
        request_params=None,
        request_retry=None,
        request_headers=HEADER_CONTENT_TYPE_APP_JSON,
        request_label="TMC Countries"
    )

json_tune_mat_countries = result.json()

pprint(json_tune_mat_countries)
```

5.1 Example

```
$ python3 examples/example_request.py

{
  "asctime": "2017-10-13 12:02:53 -0700",
  "levelname": "INFO",
  "name": "__main__",
  "version": "00.05.04",
  "message": "Start"
```

```
}
{
    "asctime": "2017-10-13 12:02:53 -0700",
    "levelname": "DEBUG",
    "name": "requests_mv_integrations",
    "version": "00.05.04",
    "message": "TMC Countries: Start"
}
...
{
    "asctime": "2017-10-13 12:02:53 -0700",
    "levelname": "DEBUG",
    "name": "requests_mv_integrations",
    "version": "00.05.04",
    "message": "TMC Countries: Details",
    "request_data": "",
    "request_headers": {
        "Content-Type": "application/json",
        "User-Agent": "(requests-mv-integrations/00.05.04, Python/3.6.2)",
        "request_label": "TMC Countries",
        "request_method": "GET",
        "request_params": {},
        "request_url": "https://api.mobileapptracking.com/v2/countries/find.json",
        "timeout": 60
    }
}
{
    "asctime": "2017-10-13 12:02:53 -0700",
    "levelname": "DEBUG",
    "name": "requests_mv_integrations",
    "version": "00.05.04",
    "message": "TMC Countries: Curl",
    "request_curl": "curl --verbose
-X GET
-H 'Content-Type: application/json'
-H 'User-Agent: (requests-mv-integrations/00.05.04, Python/3.6.2)'
--connect-timeout 60
-L 'https://api.mobileapptracking.com/v2/countries/find.json'",
    "request_label": "TMC Countries",
    "request_method": "GET"
}
...
{
    'data': [
        {'id': 0, 'name': 'International (Generic)'},
        {'id': 4, 'name': 'Afghanistan'},
        {'id': 8, 'name': 'Albania'},
        {'id': 10, 'name': 'Antarctica'},
        {'id': 12, 'name': 'Algeria'},
        {'id': 16, 'name': 'American Samoa'},
        {'id': 20, 'name': 'Andorra'},
        {'id': 24, 'name': 'Angola'},
        {'id': 28, 'name': 'Antigua And Barbuda'},
        {'id': 31, 'name': 'Azerbaijan'},
    ],
    'response_size': '845',
    'status_code': 200,
}
```

CHAPTER 6

Classes

- `class RequestMvIntegration` – Base class using `requests` with retry functionality and verbose logging.
- `class RequestMvIntegrationDownload` – Download file handling.
- `class RequestMvIntegrationUpload` – Upload file handling.

CHAPTER 7

Requirements

`requests-mv-integrations` module is built upon Python 3 and has dependencies upon several Python modules available within [Python Package Index PyPI](#).

```
make install
```

or

```
python3 -m pip uninstall --yes --no-input -r requirements.txt  
python3 -m pip install --upgrade -r requirements.txt
```

7.1 Packages

- **beautifulsoup4**: <https://pypi.python.org/pypi/beautifulsoup4>
- **deepdiff**: <https://pypi.python.org/pypi/deepdiff>
- **logging-mv-integrations**: <https://pypi.python.org/pypi/logging-mv-integrations>
- **pyhttpstatus-utils**: <https://pypi.python.org/pypi/pyhttpstatus-utils>
- **requests**: <https://pypi.python.org/pypi/requests>
- **safe-cast**: <https://pypi.python.org/pypi/safe-cast>