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# **requests-mv-integrations**

## **Documentation**

***Release 0.7.8***

**TUNE Inc.**

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# CHAPTER 1

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## Introduction

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



## CHAPTER 2

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### Badges

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docs	
info	
tests	
package	
other	





## CHAPTER 3

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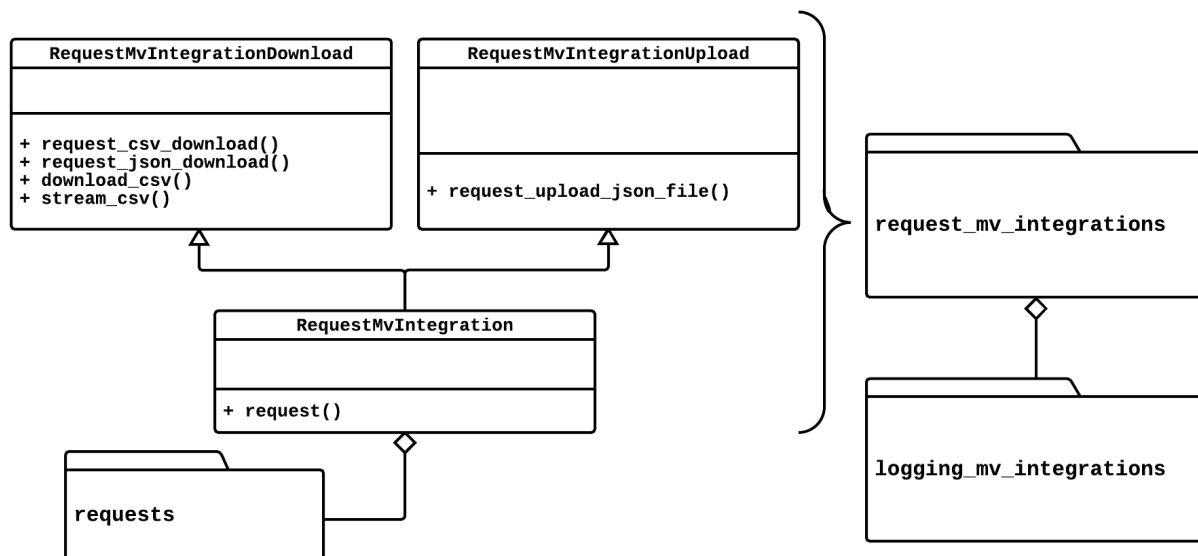
### Install

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```
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

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### Usage

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```
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

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### Classes

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





# CHAPTER 7

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## Requirements

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`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>