
Cartorio

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`cartorio.log.config_logger(log_config_file: pathlib.Path = Posix-
Path('/home/docs/checkouts/readthedocs.org/user_builds/cartorio/checkouts/v2.0.4/cartorio/conf/log
→ logging.getLogger`

Configure logger object

Parameters `log_config_file` (*Path*, *optional*) – Path where the log config file is. Defaults to
PROJECT_ROOT / “cartorio” / “conf” / “logging.conf”.

Returns Logger object

Return type (`logging.getLogger`)

Example

```
>>> _ = config_logger()
```

`cartorio.log.fun(func)`

Log a callable

Parameters `func` (*callable*) – Callable to be logged

Returns Callable outputs

Return type Callable

References

[1] <https://dev.to/aldo/implementing-logging-in-python-via-decorators-1gje> [2] <https://stackoverflow.com/questions/6810999/how-to-determine-file-function-and-line-number>

`cartorio.log.log(filename: str, logs_path: pathlib.Path,
log_config_file=PosixPath('/home/docs/checkouts/readthedocs.org/user_builds/cartorio/checkouts/v2.0.4/cartorio
Instantiate logger object`

Parameters

- **filename** (*str*) – Log file
- **path** (*Path*) – Path where the log file is saved
- **test** (*bool*) – Return filename
- **log_config_file** (*Path*, *optional*) – Path containing the log config file. Defaults to
PROJECT_ROOT / “conf” / “logging.conf”

Returns Logging object

Return type (`logging.getLogger()`)

Example

```
>>> logs_path = Path(__file__).resolve().parent
>>> logger = log("test.log", logs_path)
```

References

[1] <https://realpython.com/python-logging/>

`cartorio.log.make_path`(*path*: *pathlib.Path* = *Posix-Path('/home/docs/checkouts/readthedocs.org/user_builds/cartorio/checkouts/v2.0.4/cartorio/logs')*)
→ *pathlib.Path*

Create logs directory if it doesn't exist

Parameters

- **path** (*Path*, *optional*) – Path where the log file is saved. Defaults to `PROJECT_ROOT/logs/`.
- **test** (*bool*) – Return filename

Returns Path to logs directory

Return type (*Path*)

Example

```
>>> _ = make_path()
```

`cartorio.log.set_handler`(*filename*: *str*, *log_format*: *str*, *logs_path*: *pathlib.Path*) → *logging.FileHandler*
Set file handler for logger object

Parameters

- **filename** (*str*) – File to be logged
- **log_format** (*str*) – Log format
- **logs_path** (*Path*) – Path where the log is saved.

Raises `IOError` – If folder doesn't exist

Returns File handler object

Return type (*logging.FileHandler*)

Example

```
>>> format_filename = f"{Path(__file__).stem}.log"
>>> log_format = logging.Formatter('%(asctime)-16s || %(name)s || %(process)d ||
↳ %(levelname)s || %(message)s')
>>> logs_path = Path(__file__).resolve().parent
>>> _ = set_handler(__file__, log_format, logs_path=logs_path)
```

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