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# **timeexecution Documentation**

***Release***

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## Installation

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At the command line:

```
$ pip install timeexecution
```





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### Usage

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To use `time_execution` in a project:

```
from time_execution import time_execution

@time_execution
def go():
    pass
```



Contents:

## 3.1 time\_execution

### 3.1.1 time\_execution.backends

#### time\_execution.backends.base module

Base metrics backend

```
class time_execution.backends.base.BaseMetricsBackend
    Bases: object
    write(name, **data)
```

#### time\_execution.backends.elasticsearch module

```
class time_execution.backends.elasticsearch.ElasticsearchBackend(hosts=None,
    index='metrics',
    doc_type='metric',
    index_pattern='{index}-
    {date:%Y.%m.%d}',
    *args,
    **kwargs)
```

Bases: *time\_execution.backends.base.BaseMetricsBackend*

```
get_index()
```

```
write(name, **data)
```

Write the metric to elasticsearch

#### Parameters

- **name** (*str*) – The name of the metric to write
- **data** (*dict*) – Additional data to store with the metric

### time\_execution.backends.influxdb module

```
class time_execution.backends.influxdb.InfluxBackend(**kwargs)
    Bases: time_execution.backends.base.BaseMetricsBackend
    write(name, **data)
```

### 3.1.2 time\_execution.time\_execution module

Time Execution decorator

```
class time_execution.time_execution.time_execution(func, *args, **kwargs)
    Bases: object
time_execution.time_execution.write_metric(name, **metric)
```

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## Indices and tables

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



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## Indices and tables

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





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