

tf.keras.utils.GeneratorEnqueuer

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`__init__``get``is_running``start``stop`Class **GeneratorEnqueuer**Inherits From: `SequenceEnqueuer`Defined in `tensorflow/python/keras/_impl/keras/utils/data_utils.py`.

Builds a queue out of a data generator.

Used in `fit_generator`, `evaluate_generator`, `predict_generator`.

Arguments:

- `generator`: a generator function which endlessly yields data
- `use_multiprocessing`: use multiprocessing if True, otherwise threading
- `wait_time`: time to sleep in-between calls to `put()`
- `random_seed`: Initial seed for workers, will be incremented by one for each workers.

Methods

`__init__`

```
__init__(
    generator,
    use_multiprocessing=False,
    wait_time=0.05,
    random_seed=None
)
```

`get`

```
get()
```

Creates a generator to extract data from the queue.

Skip the data if it is `None`.

Yields:

Data arrays.

is_running

```
is_running()
```

start

```
start(  
    workers=1,  
    max_queue_size=10  
)
```

Kicks off threads which add data from the generator into the queue.

Arguments:

- `workers` : number of worker threads
- `max_queue_size` : queue size (when full, threads could block on `put()`)

stop

```
stop(timeout=None)
```

Stops running threads and wait for them to exit, if necessary.

Should be called by the same thread which called `start()`.

Arguments:

- `timeout` : maximum time to wait on `thread.join()`.

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