tf.keras.utils.SequenceEnqueuer

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Class **SequenceEnqueuer**

Defined in `tensorflow/python/keras/_impl/keras/utils/data_utils.py`.

Base class to enqueue inputs.

The task of an Enqueuer is to use parallelism to speed up preprocessing. This is done with processes or threads.

Examples:

```
enqueuer = SequenceEnqueuer(...)
enqueuer.start()
datas = enqueuer.get()
for data in datas:
    # Use the inputs; training, evaluating, predicting.
    # ... stop sometime.
enqueuer.close()
```

The `enqueuer.get()` should be an infinite stream of datas.

Methods

`get`

```
get()
```

Creates a generator to extract data from the queue.

Skip the data if it is `None`.

Returns:

Generator yielding tuples `(inputs, targets)` or `(inputs, targets, sample_weights)`.

`is_running`

```
is_running()
```

start

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

Starts the handler's workers.

Arguments:

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

stop

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

Stop 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()

Last updated November 2, 2017.