TopogrElow

TensorFlow API r1.4

tf.keras.callbacks.LambdaCallback

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Class LambdaCallback

Inherits From: Callback

Defined in tensorflow/python/keras/_impl/keras/callbacks.py.

Callback for creating simple, custom callbacks on-the-fly.

This callback is constructed with anonymous functions that will be called at the appropriate time. Note that the callbacks expects positional arguments, as:

- on_epoch_begin and on_epoch_end expect two positional arguments: epoch , logs
- on_batch_begin and on_batch_end expect two positional arguments: batch, logs
- on_train_begin and on_train_end expect one positional argument: logs

Arguments:

- on_epoch_begin: called at the beginning of every epoch.
- on_epoch_end: called at the end of every epoch.
- on_batch_begin: called at the beginning of every batch.
- on_batch_end: called at the end of every batch.
- on_train_begin: called at the beginning of model training.
- on_train_end: called at the end of model training.

Example:

```
```python
Print the batch number at the beginning of every batch.
batch_print_callback = LambdaCallback(
 on_batch_begin=lambda batch,logs: print(batch))
Stream the epoch loss to a file in JSON format. The file content
is not well-formed JSON but rather has a JSON object per line.
import json
json_log = open('loss_log.json', mode='wt', buffering=1)
json_logging_callback = LambdaCallback(
 on_epoch_end=lambda epoch, logs: json_log.write(
 json.dumps({'epoch': epoch, 'loss': logs['loss']}) + '\n'),
 on_train_end=lambda logs: json_log.close()
)
Terminate some processes after having finished model training.
processes = ...
cleanup_callback = LambdaCallback(
 on_train_end=lambda logs: [
 p.terminate() for p in processes if p.is_alive()])
model.fit(...,
 callbacks=[batch_print_callback,
 json_logging_callback,
 cleanup_callback])
```

## Methods

### \_\_init\_\_

```
__init__(
 on_epoch_begin=None,
 on_epoch_end=None,
 on_batch_begin=None,
 on_batch_end=None,
 on_train_begin=None,
 on_train_end=None,
 **kwargs
```

### on\_batch\_begin

```
on_batch_begin(
 batch,
 logs=None
)
```

### on\_batch\_end

```
on_batch_end(
 batch,
 logs=None
)
```

#### on\_epoch\_begin

```
on_epoch_begin(
 epoch,
 logs=None
)
```

### on\_epoch\_end

```
on_epoch_end(
 epoch,
 logs=None
)
```

# on\_train\_begin

```
on_train_begin(logs=None)
```

### on\_train\_end

```
on_train_end(logs=None)
```

### set\_model

```
set_model(model)
```

### set\_params

```
set_params(params)
```

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Last updated November 2, 2017.

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