TensorFlow      API r1.4

# tf.train.FeedFnHook

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## Class **FeedFnHook**

Inherits From: `SessionRunHook`

Defined in `tensorflow/python/training/basic_session_run_hooks.py` .

See the guide: Training > Training Hooks

Runs `feed_fn` and sets the `feed_dict` accordingly.

## Methods

### `__init__`

```
__init__(feed_fn)
```

Initializes a `FeedFnHook` .

Args:

- `feed_fn` : function that takes no arguments and returns `dict` of `Tensor` to feed.

### `after_create_session`

```
after_create_session(
    session,
    coord
)
```

Called when new TensorFlow session is created.

This is called to signal the hooks that a new session has been created. This has two essential differences with the situation in which `begin` is called:

- When this is called, the graph is finalized and ops can no longer be added to the graph.
- This method will also be called as a result of recovering a wrapped session, not only at the beginning of the overall session.

Args:

- `session` : A TensorFlow Session that has been created.
- `coord` : A Coordinator object which keeps track of all threads.

## after_run

```
after_run(
    run_context,
    run_values
)
```

Called after each call to run().

The `run_values` argument contains results of requested ops/tensors by `before_run()` .

The `run_context` argument is the same one send to `before_run` call. `run_context.request_stop()` can be called to stop the iteration.

If `session.run()` raises any exceptions then `after_run()` is not called.

Args:

- `run_context` : A **SessionRunContext** object.
- `run_values` : A SessionRunValues object.

## before_run

```
before_run(run_context)
```

## begin

```
begin()
```

Called once before using the session.

When called, the default graph is the one that will be launched in the session. The hook can modify the graph by adding new operations to it. After the `begin()` call the graph will be finalized and the other callbacks can not modify the graph anymore. Second call of `begin()` on the same graph, should not change the graph.

## end

```
end(session)
```

Called at the end of session.

The `session` argument can be used in case the hook wants to run final ops, such as saving a last checkpoint.

If `session.run()` raises exception other than OutOfRangeError or StopIteration then `end()` is not called. Note the difference between `end()` and `after_run()` behavior when `session.run()` raises OutOfRangeError or StopIteration. In that case `end()` is called but `after_run()` is not called.

Args:

- `session` : A TensorFlow Session that will be soon closed.

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