

tf.contrib.training.evaluate_once

```
evaluate_once(  
    checkpoint_path,  
    master='',  
    scaffold=None,  
    eval_ops=None,  
    feed_dict=None,  
    final_ops=None,  
    final_ops_feed_dict=None,  
    hooks=None,  
    config=None  
)
```

Defined in [tensorflow/python/training/evaluation.py](#).

Evaluates the model at the given checkpoint path.

During a single evaluation, the `eval_ops` is run until the session is interrupted or requested to finish. This is typically requested via a `tf.contrib.training.StopAfterNEvalsHook` which results in `eval_ops` running the requested number of times.

Optionally, a user can pass in `final_ops`, a single `Tensor`, a list of `Tensors` or a dictionary from names to `Tensors`. The `final_ops` is evaluated a single time after `eval_ops` has finished running and the fetched values of `final_ops` are returned. If `final_ops` is left as `None`, then `None` is returned.

One may also consider using a `tf.contrib.training.SummaryAtEndHook` to record summaries after the `eval_ops` have run. If `eval_ops` is `None`, the summaries run immediately after the model checkpoint has been restored.

Note that `evaluate_once` creates a local variable used to track the number of evaluations run via `tf.contrib.training.get_or_create_eval_step`. Consequently, if a custom local init op is provided via a `scaffold`, the caller should ensure that the local init op also initializes the eval step.

Args:

- `checkpoint_path`: The path to a checkpoint to use for evaluation.
- `master`: The BNS address of the TensorFlow master.
- `scaffold`: An `tf.train.Scaffold` instance for initializing variables and restoring variables. Note that `scaffold.init_fn` is used by the function to restore the checkpoint. If you supply a custom `init_fn`, then it must also take care of restoring the model from its checkpoint.
- `eval_ops`: A single `Tensor`, a list of `Tensors` or a dictionary of names to `Tensors`, which is run until the session is requested to stop, commonly done by a `tf.contrib.training.StopAfterNEvalsHook`.
- `feed_dict`: The feed dictionary to use when executing the `eval_ops`.
- `final_ops`: A single `Tensor`, a list of `Tensors` or a dictionary of names to `Tensors`.
- `final_ops_feed_dict`: A feed dictionary to use when evaluating `final_ops`.
- `hooks`: List of `tf.train.SessionRunHook` callbacks which are run inside the evaluation loop.
- `config`: An instance of `tf.ConfigProto` that will be used to configure the `Session`. If left as `None`, the default will be used.

Returns:

The fetched values of `final_ops` or `None` if `final_ops` is `None` .

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Last updated November 2, 2017.

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