TensorFlow   API r1.4

tf.train.CheckpointSaverHook

Class `CheckpointSaverHook`

Inherits From: `SessionRunHook`

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

See the guide: Training > Training Hooks

Saves checkpoints every N steps or seconds.

Methods

`__init__`

```
__init__(
    checkpoint_dir,
    save_secs=None,
    save_steps=None,
    saver=None,
    checkpoint_basename='model.ckpt',
    scaffold=None,
    listeners=None
)
```

Initializes a `CheckpointSaverHook`.

Args:

- `checkpoint_dir` : `str` , base directory for the checkpoint files.
- `save_secs` : `int` , save every N secs.
- `save_steps` : `int` , save every N steps.
- `saver` : `Saver` object, used for saving.
- `checkpoint_basename` : `str` , base name for the checkpoint files.
- `scaffold` : `Scaffold` , use to get saver object.
- `listeners` : List of `CheckpointSaverListener` subclass instances. Used for callbacks that run immediately before or after this hook saves the checkpoint.

Raises:

- `ValueError` : One of `save_steps` or `save_secs` should be set.
- `ValueError` : At most one of saver or scaffold should be set.

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
)
```

before_run

```
before_run(run_context)
```

begin

```
begin()
```

end

```
end(session)
```

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