

tf.train.CheckpointSaverListener

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Class `CheckpointSaverListener`

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

Interface for listeners that take action before or after checkpoint save.

`CheckpointSaverListener` triggers only in steps when `CheckpointSaverHook` is triggered, and provides callbacks at the following points: - before using the session - before each call to `Saver.save()` - after each call to `Saver.save()` - at the end of session

To use a listener, implement a class and pass the listener to a `CheckpointSaverHook`, as in this example:

```
class ExampleCheckpointSaverListener(CheckpointSaverListener):
    def begin(self):
        # You can add ops to the graph here.
        print('Starting the session.')
        self.your_tensor = ...

    def before_save(self, session, global_step_value):
        print('About to write a checkpoint')

    def after_save(self, session, global_step_value):
        print('Done writing checkpoint.')

    def end(self, session, global_step_value):
        print('Done with the session.')

...
listener = ExampleCheckpointSaverListener()
saver_hook = tf.train.CheckpointSaverHook(
    checkpoint_dir, listeners=[listener])
with tf.train.MonitoredTrainingSession(chief_only_hooks=[saver_hook]):
    ...
```

A `CheckpointSaverListener` may simply take some action after every checkpoint save. It is also possible for the listener to use its own schedule to act less frequently, e.g. based on `global_step_value`. In this case, implementors should implement the `end()` method to handle actions related to the last checkpoint save. But the listener should not act twice if `after_save()` already handled this last checkpoint save.

Methods

after_save

```
after_save(  
  session,  
  global_step_value  
)
```

before_save

```
before_save(  
  session,  
  global_step_value  
)
```

begin

```
begin()
```

end

```
end(  
  session,  
  global_step_value  
)
```

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