

tf.train.SummarySaverHook

Contents

Class `SummarySaverHook`

Methods

`__init__`

`after_create_session`

Class `SummarySaverHook`

Inherits From: `SessionRunHook`

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

See the guide: [Training > Training Hooks](#)

Saves summaries every N steps.

Methods

`__init__`

```
__init__(
    save_steps=None,
    save_secs=None,
    output_dir=None,
    summary_writer=None,
    scaffold=None,
    summary_op=None
)
```

Initializes a `SummarySaverHook`.

Args:

- `save_steps`: `int`, save summaries every N steps. Exactly one of `save_secs` and `save_steps` should be set.
- `save_secs`: `int`, save summaries every N seconds.
- `output_dir`: `string`, the directory to save the summaries to. Only used if no `summary_writer` is supplied.
- `summary_writer`: `SummaryWriter`. If `None` and an `output_dir` was passed, one will be created accordingly.
- `scaffold`: `Scaffold` to get `summary_op` if it's not provided.
- `summary_op`: `Tensor` of type `string` containing the serialized `Summary` protocol buffer or a list of `Tensor`. They are most likely an output by TF summary methods like `tf.summary.scalar` or `tf.summary.merge_all`. It can be passed in as one tensor; if more than one, they must be passed in as a list.

Raises:

- `ValueError` : Exactly one of `scaffold` or `summary_op` 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=None)
```

Except as otherwise noted, the content of this page is licensed under the [Creative Commons Attribution 3.0 License](#), and code samples are licensed under the [Apache 2.0 License](#). For details, see our [Site Policies](#). Java is a registered trademark of Oracle and/or its affiliates.

Last updated November 2, 2017.

Stay Connected

[Blog](#)

[GitHub](#)

[Twitter](#)

Support

[Issue Tracker](#)

[Release Notes](#)

[Stack Overflow](#)

English

[Terms](#) | [Privacy](#)