

tf.estimator.TrainSpec

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Class TrainSpec

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

Configuration for the "train" part for the `train_and_evaluate` call.

TrainSpec determines the input data for the training, as well as the duration. Optional hooks run at various stages of training.

Properties

hooks

Alias for field number 2

input_fn

Alias for field number 0

max_steps

Alias for field number 1

Methods

__new__

```
@staticmethod
__new__(
    cls,
    input_fn,
    max_steps=None,
    hooks=None
)
```

Creates a validated **TrainSpec** instance.

Args:

- `input_fn` : Training input function returning a tuple of: features - `Tensor` or dictionary of string feature name to `Tensor` . labels - `Tensor` or dictionary of `Tensor` with labels.
- `max_steps` : Int. Positive number of total steps for which to train model. If `None` , train forever. The training `input_fn` is not expected to generate `OutOfRangeError` or `StopIteration` exceptions. See the `train_and_evaluate` stop condition section for details.
- `hooks` : Iterable of `tf.train.SessionRunHook` objects to run on all workers (including chief) during training.

Returns:

A validated `TrainSpec` object.

Raises:

- `ValueError` : If any of the input arguments is invalid.
- `TypeError` : If any of the arguments is not of the expected type.

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