

## tf.contrib.tpu.TPUConfig

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Class **TPUConfig**

Defined in [tensorflow/contrib/tpu/python/tpu/tpu\\_config.py](#).

TPU related configuration required by **TPUEstimator**.

## Args:

- iterations\_per\_loop**: This is the number of train steps running in TPU system before returning to CPU host for each **Session.run**. This means global step is increased **iterations\_per\_loop** times in one **Session.run**. It is recommended to be set as number of global steps for next checkpoint.
- num\_shards**: The number of TPU shards in the system.
- per\_host\_input\_for\_training**: If **True**, **input\_fn** is invoked per host rather than per shard. Note: This behavior is going to be default as **True** soon, so this flag will be removed after that. Also note that this only works for single-host TPU training now.

## Properties

**iterations\_per\_loop**

Alias for field number 0

**num\_shards**

Alias for field number 1

**per\_host\_input\_for\_training**

Alias for field number 2

## Methods

**\_\_new\_\_**

```
@staticmethod
__new__(
    cls,
    iterations_per_loop=2,
    num_shards=2,
    per_host_input_for_training=False
)
```

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