

tf.contrib.tpu.rewrite

```
rewrite(  
    computation,  
    inputs=None,  
    infeed_queue=None,  
    global_tpu_id=None,  
    name=None  
)
```

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

Rewrites `computation` for execution on a TPU system.

Args:

- `computation`: a Python function that builds a computation to apply to the input. If the function takes `n` inputs, 'inputs' should be a list of `n` tensors. If the function returns `m` outputs, `rewrite` will return a list of `m` tensors.
- `inputs`: a list of input tensors or `None` (equivalent to an empty list).
- `infeed_queue`: if not `None`, the `InfeedQueue` from which to append a tuple of arguments as inputs to `computation`.
- `global_tpu_id`: if not `None`, a Numpy 2D array indicating the global id of each TPU device in the system. The outer dimension of the array is host task id, and the inner dimension is device ordinal, so e.g., `global_tpu_id[x][y]` indicates the global id of device `/task:x/device:TPU_NODE:y`.
- `name`: name of the operator.

Returns:

A list of output tensors.

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](#)