

tf.contrib.framework.with_shape

```
with_shape(  
    expected_shape,  
    tensor  
)
```

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

See the guide: [Framework \(contrib\)](#)

Asserts tensor has expected shape.

If tensor shape and expected_shape, are fully defined, assert they match. Otherwise, add assert op that will validate the shape when tensor is evaluated, and set shape on tensor.

Args:

- `expected_shape` : Expected shape to assert, as a 1D array of ints, or tensor of same.
- `tensor` : Tensor whose shape we're validating.

Returns:

tensor, perhaps with a dependent assert operation.

Raises:

- `ValueError` : if tensor has an invalid shape.

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