

## tf.convert\_to\_tensor\_or\_sparse\_tensor

## Contents

## Aliases:

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- `tf.contrib.framework.convert_to_tensor_or_sparse_tensor`
- `tf.convert_to_tensor_or_sparse_tensor`

```
convert_to_tensor_or_sparse_tensor(  
    value,  
    dtype=None,  
    name=None  
)
```

Defined in [tensorflow/python/framework/sparse\\_tensor.py](#).

See the guides: [Building Graphs > Utility functions, Framework \(contrib\)](#)

Converts value to a `SparseTensor` or `Tensor`.

## Args:

- `value`: A `SparseTensor`, `SparseTensorValue`, or an object whose type has a registered `Tensor` conversion function.
- `dtype`: Optional element type for the returned tensor. If missing, the type is inferred from the type of `value`.
- `name`: Optional name to use if a new `Tensor` is created.

## Returns:

A `SparseTensor` or `Tensor` based on `value`.

## Raises:

- `RuntimeError`: If result type is incompatible with `dtype`.

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