

tf.nn.softmax

```
softmax(  
    logits,  
    dim=-1,  
    name=None  
)
```

Defined in [tensorflow/python/ops/nn_ops.py](#).

See the guides: [Layers \(contrib\)](#) > [Higher level ops for building neural network layers](#), [Neural Network](#) > [Classification](#)

Computes softmax activations.

This function performs the equivalent of

```
softmax = tf.exp(logits) / tf.reduce_sum(tf.exp(logits), dim)
```

Args:

- **logits**: A non-empty **Tensor**. Must be one of the following types: **half**, **float32**, **float64**.
- **dim**: The dimension softmax would be performed on. The default is -1 which indicates the last dimension.
- **name**: A name for the operation (optional).

Returns:

A **Tensor**. Has the same type and shape as **logits**.

Raises:

- **InvalidArgumentError**: if **logits** is empty or **dim** is beyond the last dimension of **logits**.

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