tf.squeeze

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```
squeeze(
    input,
    axis=None,
    name=None,
    squeeze_dims=None
)
```

Defined in **tensorflow/python/ops/array_ops.py** (https://www.github.com/tensorflow/tensorflow/blob/master/tensorflow/python/ops/array_ops.py).

See the guide: Tensor Transformations > Shapes and Shaping (https://www.tensorflow.org/versions/master/api_guides/python/array_ops#Shapes_and_Shaping)

Removes dimensions of size 1 from the shape of a tensor.

Given a tensor **input**, this operation returns a tensor of the same type with all dimensions of size 1 removed. If you don't want to remove all size 1 dimensions, you can remove specific size 1 dimensions by specifying **axis**.

For example:

```
# 't' is a tensor of shape [1, 2, 1, 3, 1, 1]
shape(squeeze(t)) ==> [2, 3]
```

Or, to remove specific size 1 dimensions:

```
# 't' is a tensor of shape [1, 2, 1, 3, 1, 1]
shape(squeeze(t, [2, 4])) ==> [1, 2, 3, 1]
```

Args:

- **input**: A **Tensor**. The **input** to squeeze.
- **axis**: An optional list of **ints**. Defaults to **[]**. If specified, only squeezes the dimensions listed. The dimension index starts at 0. It is an error to squeeze a dimension that is not 1.
- **name**: A name for the operation (optional).
- **squeeze_dims**: Deprecated keyword argument that is now axis.

Returns:

A **Tensor**. Has the same type as **input**. Contains the same data as **input**, but has one or more dimensions of size 1 removed.

Raises:

- **ValueError**: When both **squeeze_dims** and **axis** are specified.
