

## tf.cast

```
cast(  
    x,  
    dtype,  
    name=None  
)
```

Defined in [tensorflow/python/ops/math\\_ops.py](#).

See the guide: [Tensor Transformations > Casting](#)

Casts a tensor to a new type.

The operation casts `x` (in case of `Tensor`) or `x.values` (in case of `SparseTensor`) to `dtype`.

For example:

```
x = tf.constant([1.8, 2.2], dtype=tf.float32)  
tf.cast(x, tf.int32) # [1, 2], dtype=tf.int32
```

## Args:

- `x`: A `Tensor` or `SparseTensor`.
- `dtype`: The destination type.
- `name`: A name for the operation (optional).

## Returns:

A `Tensor` or `SparseTensor` with same shape as `x`.

## Raises:

- `TypeError`: If `x` cannot be cast to the `dtype`.

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