

tf.initializers.identity

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Class **identity**

Inherits From: [Initializer](#)

Aliases:

- Class `tf.initializers.identity`
- Class `tf.keras.initializers.Identity`

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

Initializer that generates the identity matrix.

Only use for 2D matrices.

Args:

- `gain`: Multiplicative factor to apply to the identity matrix.
- `dtype`: The type of the output.

Methods

`__init__`

```
__init__(  
    gain=1.0,  
    dtype=tf.float32  
)
```

`__call__`

```
__call__(
    shape,
    dtype=None,
    partition_info=None
)
```

from_config

```
from_config(
    cls,
    config
)
```

Instantiates an initializer from a configuration dictionary.

Example:

```
initializer = RandomUniform(-1, 1)
config = initializer.get_config()
initializer = RandomUniform.from_config(config)
```

Args:

- `config`: A Python dictionary. It will typically be the output of `get_config`.

Returns:

An Initializer instance.

get_config

```
get_config()
```

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Last updated November 2, 2017.

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