tf.random_uniform_initializer

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Class `random_uniform_initializer`

Inherits From: `Initializer`

Aliases:

- Class `tf.initializers.random_uniform`
- Class `tf.keras.initializers.RandomUniform`
- Class `tf.random_uniform_initializer`

Defined in `tensorflow/python/ops/init_ops.py`.

See the guide: Variables > Sharing Variables

Initializer that generates tensors with a uniform distribution.

Args:

- `minval`: A python scalar or a scalar tensor. Lower bound of the range of random values to generate.
- `maxval`: A python scalar or a scalar tensor. Upper bound of the range of random values to generate. Defaults to 1 for float types.
- `seed`: A Python integer. Used to create random seeds. See `tf.set_random_seed` for behavior.
- `dtype`: The data type.

Methods

`__init__`

```
__init__(
    minval=0,
    maxval=None,
    seed=None,
    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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