

tf.keras.initializers.glorot_uniform

```
glorot_uniform(seed=None)
```

Defined in [tensorflow/python/keras/_impl/keras/initializers.py](#).

Glorot uniform initializer, also called Xavier uniform initializer.

It draws samples from a uniform distribution within $[-\text{limit}, \text{limit}]$ where **limit** is $\text{sqrt}(6 / (\text{fan_in} + \text{fan_out}))$ where **fan_in** is the number of input units in the weight tensor and **fan_out** is the number of output units in the weight tensor.

Arguments:

- **seed** : A Python integer. Used to seed the random generator.

Returns:

An initializer.

References: Glorot & Bengio, AISTATS 2010 <http://jmlr.org/proceedings/papers/v9/glorot10a/glorot10a.pdf>

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