

tf.glorot_uniform_initializer

```
glorot_uniform_initializer(  
    seed=None,  
    dtype=tf.float32  
)
```

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

The Glorot uniform initializer, also called Xavier uniform initializer.

It draws samples from a uniform distribution within $[-limit, limit]$ where **limit** is $\sqrt{6 / (fan_in + fan_out)}$ 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.

Reference: <http://jmlr.org/proceedings/papers/v9/glorot10a/glorot10a.pdf>

Args:

- **seed**: A Python integer. Used to create random seeds. See [tf.set_random_seed](#) for behavior.
- **dtype**: The data type. Only floating point types are supported.

Returns:

An initializer.

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