# 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.



*Last updated November 2, 2017.*