

## tf.min\_max\_variable\_partitioner

```
min_max_variable_partitioner(  
    max_partitions=1,  
    axis=0,  
    min_slice_size=256 << 10,  
    bytes_per_string_element=16  
)
```

Defined in [tensorflow/python/ops/partitioned\\_variables.py](#).

See the guide: [Variables > Variable Partitioners for Sharding](#)

Partitioner to allocate minimum size per slice.

Returns a partitioner that partitions the variable of given shape and dtype such that each partition has a minimum of `min_slice_size` slice of the variable. The maximum number of such partitions (upper bound) is given by `max_partitions`.

### Args:

- `max_partitions`: Upper bound on the number of partitions. Defaults to 1.
- `axis`: Axis along which to partition the variable. Defaults to 0.
- `min_slice_size`: Minimum size of the variable slice per partition. Defaults to 256K.
- `bytes_per_string_element`: If the `Variable` is of type string, this provides an estimate of how large each scalar in the `Variable` is.

### Returns:

A partition function usable as the `partitioner` argument to `variable_scope`, `get_variable`, and `get_partitioned_variable_list`.

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Last updated November 2, 2017.

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