TensorFlow      API r1.4

# 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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