

tf.contrib.deprecated.histogram_summary

```
histogram_summary(  
    tag,  
    values,  
    collections=None,  
    name=None  
)
```

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

Outputs a `Summary` protocol buffer with a histogram. (deprecated)

THIS FUNCTION IS DEPRECATED. It will be removed after 2016-11-30. Instructions for updating: Please switch to `tf.summary.histogram`. Note that `tf.summary.histogram` uses the node name instead of the tag. This means that TensorFlow will automatically de-duplicate summary names based on the scope they are created in.

This ops is deprecated. Please switch to `tf.summary.histogram`.

For an explanation of why this op was deprecated, and information on how to migrate, look [here](#)

The generated `Summary` has one summary value containing a histogram for `values`.

This op reports an `InvalidArgument` error if any value is not finite.

Args:

- `tag`: A `string Tensor`. 0-D. Tag to use for the summary value.
- `values`: A real numeric `Tensor`. Any shape. Values to use to build the histogram.
- `collections`: Optional list of graph collections keys. The new summary op is added to these collections. Defaults to `[GraphKeys.SUMMARIES]`.
- `name`: A name for the operation (optional).

Returns:

A scalar `Tensor` of type `string`. The serialized `Summary` protocol buffer.

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