

## tf.contrib.deprecated.scalar\_summary

```
scalar_summary(  
    tags,  
    values,  
    collections=None,  
    name=None  
)
```

Defined in [tensorflow/python/ops/logging\\_ops.py](#).

Outputs a **Summary** protocol buffer with scalar values. (deprecated)

THIS FUNCTION IS DEPRECATED. It will be removed after 2016-11-30. Instructions for updating: Please switch to `tf.summary.scalar`. Note that `tf.summary.scalar` 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. Also, passing a tensor or list of tags to a scalar summary op is no longer supported.

This ops is deprecated. Please switch to `tf.summary.scalar`. For an explanation of why this op was deprecated, and information on how to migrate, look [here](#)

The input **tags** and **values** must have the same shape. The generated summary has a summary value for each tag-value pair in **tags** and **values**.

## Args:

- **tags**: A **string Tensor**. Tags for the summaries.
- **values**: A real numeric Tensor. Values for the summaries.
- **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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