

## tf.summary.merge

```
merge(  
    inputs,  
    collections=None,  
    name=None  
)
```

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

See the guide: [Summary Operations > Generation of Summaries](#)

Merges summaries.

This op creates a [Summary](#) protocol buffer that contains the union of all the values in the input summaries.

When the Op is run, it reports an [InvalidArgument](#) error if multiple values in the summaries to merge use the same tag.

## Args:

- **inputs**: A list of [string Tensor](#) objects containing serialized [Summary](#) protocol buffers.
- **collections**: Optional list of graph collections keys. The new summary op is added to these collections. Defaults to `[]`.
- **name**: A name for the operation (optional).

## Returns:

A scalar [Tensor](#) of type [string](#). The serialized [Summary](#) protocol buffer resulting from the merging.

---

Except as otherwise noted, the content of this page is licensed under the [Creative Commons Attribution 3.0 License](#), and code samples are licensed under the [Apache 2.0 License](#). For details, see our [Site Policies](#). Java is a registered trademark of Oracle and/or its affiliates.

Last updated November 2, 2017.

## Stay Connected

[Blog](#)

[GitHub](#)

[Twitter](#)

## Support

[Issue Tracker](#)

[Release Notes](#)

[Stack Overflow](#)

