

tf.contrib.deprecated.audio_summary

```
audio_summary(  
    tag,  
    tensor,  
    sample_rate,  
    max_outputs=3,  
    collections=None,  
    name=None  
)
```

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

Outputs a **Summary** protocol buffer with audio. (deprecated)

THIS FUNCTION IS DEPRECATED. It will be removed after 2016-11-30. Instructions for updating: Please switch to `tf.summary.audio`. Note that `tf.summary.audio` 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 op is deprecated. Please switch to `tf.summary.audio`. For an explanation of why this op was deprecated, and information on how to migrate, look [here](#)

The summary has up to `max_outputs` summary values containing audio. The audio is built from **tensor** which must be 3-D with shape `[batch_size, frames, channels]` or 2-D with shape `[batch_size, frames]`. The values are assumed to be in the range of `[-1.0, 1.0]` with a sample rate of `sample_rate`.

The **tag** argument is a scalar **Tensor** of type `string`. It is used to build the **tag** of the summary values:

- If `max_outputs` is 1, the summary value tag is 'tag/audio'.
- If `max_outputs` is greater than 1, the summary value tags are generated sequentially as 'tag/audio/0', 'tag/audio/1', etc.

Args:

- **tag**: A scalar **Tensor** of type `string`. Used to build the **tag** of the summary values.
- **tensor**: A 3-D `float32 Tensor` of shape `[batch_size, frames, channels]` or a 2-D `float32 Tensor` of shape `[batch_size, frames]`.
- **sample_rate**: A Scalar `float32 Tensor` indicating the sample rate of the signal in hertz.
- **max_outputs**: Max number of batch elements to generate audio for.
- **collections**: Optional list of `ops.GraphKeys`. The collections to add the summary to. Defaults to `[ops.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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