

tf.serialize_sparse

```
serialize_sparse(  
    sp_input,  
    name=None  
)
```

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

Serialize a **SparseTensor** into a string 3-vector (1-D **Tensor**) object.

Args:

- **sp_input**: The input **SparseTensor**.
- **name**: A name prefix for the returned tensors (optional).

Returns:

A string 3-vector (1D **Tensor**), with each column representing the serialized **SparseTensor**'s indices, values, and shape (respectively).

Raises:

- **TypeError**: If **sp_input** is not a **SparseTensor**.

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