tf.serialize_many_sparse

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

Defined in `tensorflow/python/ops/sparse_ops.py`.

Serialize an `N`-minibatch `SparseTensor` into an `[N, 3]` string `Tensor`.

The `SparseTensor` must have rank `R` greater than 1, and the first dimension is treated as the minibatch dimension. Elements of the `SparseTensor` must be sorted in increasing order of this first dimension. The serialized `SparseTensor` objects going into each row of the output `Tensor` will have rank `R-1`.

The minibatch size `N` is extracted from `sparse_shape[0]`.

Args:

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

Returns:

A string matrix (2-D `Tensor`) with `N` rows and `3` columns. Each column represents serialized `SparseTensor`'s indices, values, and shape (respectively).

Raises:

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

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Last updated November 2, 2017.

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