

tf.contrib.layers.parse_feature_columns_from_examples

```
parse_feature_columns_from_examples(  
    serialized,  
    feature_columns,  
    name=None,  
    example_names=None  
)
```

Defined in [tensorflow/contrib/layers/python/layers/feature_column_ops.py](#).

See the guide: [Layers \(contrib\)](#) > [Feature columns](#)

Parses tf.Examples to extract tensors for given feature_columns.

This is a wrapper of 'tf.parse_example'.

Example:

```
columns_to_tensor = parse_feature_columns_from_examples(  
    serialized=my_data,  
    feature_columns=my_features)  
  
# Where my_features are:  
# Define features and transformations  
sparse_feature_a = sparse_column_with_keys(  
    column_name="sparse_feature_a", keys=["AB", "CD", ...])  
  
embedding_feature_a = embedding_column(  
    sparse_id_column=sparse_feature_a, dimension=3, combiner="sum")  
  
sparse_feature_b = sparse_column_with_hash_bucket(  
    column_name="sparse_feature_b", hash_bucket_size=1000)  
  
embedding_feature_b = embedding_column(  
    sparse_id_column=sparse_feature_b, dimension=16, combiner="sum")  
  
crossed_feature_a_x_b = crossed_column(  
    columns=[sparse_feature_a, sparse_feature_b], hash_bucket_size=10000)  
  
real_feature = real_valued_column("real_feature")  
real_feature_buckets = bucketized_column(  
    source_column=real_feature, boundaries=[...])  
  
my_features = [embedding_feature_b, real_feature_buckets, embedding_feature_a]
```

Args:

- `serialized`: A vector (1-D Tensor) of strings, a batch of binary serialized **Example** protos.
- `feature_columns`: An iterable containing all the feature columns. All items should be instances of classes derived from `_FeatureColumn`.
- `name`: A name for this operation (optional).
- `example_names`: A vector (1-D Tensor) of strings (optional), the names of the serialized protos in the batch.

Returns:

A `dict` mapping `FeatureColumn` to `Tensor` and `SparseTensor` values.

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