

## tf.contrib.layers.create\_feature\_spec\_for\_parsing

```
create_feature_spec_for_parsing(feature_columns)
```

Defined in [tensorflow/contrib/layers/python/layers/feature\\_column.py](#).

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

Helper that prepares features config from input feature\_columns.

The returned feature config can be used as arg 'features' in tf.parse\_example.

Typical usage example:

```
# Define features and transformations
feature_a = sparse_column_with_vocabulary_file(...)
feature_b = real_valued_column(...)
feature_c_bucketized = bucketized_column(real_valued_column("feature_c"), ...)
feature_a_x_feature_c = crossed_column(
    columns=[feature_a, feature_c_bucketized], ...)

feature_columns = set(
    [feature_b, feature_c_bucketized, feature_a_x_feature_c])
batch_examples = tf.parse_example(
    serialized=serialized_examples,
    features=create_feature_spec_for_parsing(feature_columns))
```

For the above example, create\_feature\_spec\_for\_parsing would return the dict: { "feature\_a": parsing\_ops.VarLenFeature(tf.string), "feature\_b": parsing\_ops.FixedLenFeature([1], dtype=tf.float32), "feature\_c": parsing\_ops.FixedLenFeature([1], dtype=tf.float32) }

### Args:

- feature\_columns**: An iterable containing all the feature columns. All items should be instances of classes derived from `_FeatureColumn`, unless feature\_columns is a dict – in which case, this should be true of all values in the dict.

### Returns:

A dict mapping feature keys to `FixedLenFeature` or `VarLenFeature` values.

---

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](#)

**English**

[Terms](#) | [Privacy](#)