

## tf.contrib.layers.multi\_class\_target

```
multi_class_target(  
    n_classes,  
    label_name=None,  
    weight_column_name=None  
)
```

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

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

Creates a `_TargetColumn` for multi class single label classification. (deprecated)

THIS FUNCTION IS DEPRECATED. It will be removed after 2016-11-12. Instructions for updating: This file will be removed after the deprecation date. Please switch to `third_party/tensorflow/contrib/learn/python/learn/estimators/head.py`

The target column uses softmax cross entropy loss.

## Args:

- `n_classes`: Integer, number of classes, must be  $\geq 2$
- `label_name`: String, name of the key in label dict. Can be null if label is a tensor (single headed models).
- `weight_column_name`: A string defining feature column name representing weights. It is used to down weight or boost examples during training. It will be multiplied by the loss of the example.

## Returns:

An instance of `_MultiClassTargetColumn`.

## Raises:

- `ValueError`: if `n_classes` is  $< 2$

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