

## tf.contrib.layers.one\_hot\_encoding

```
one_hot_encoding(  
    labels,  
    num_classes,  
    on_value=1.0,  
    off_value=0.0,  
    outputs_collections=None,  
    scope=None  
)
```

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

See the guide: [Layers \(contrib\)](#) > Higher level ops for building neural network layers

Transform numeric labels into onehot\_labels using `tf.one_hot`.

## Args:

- `labels`: [batch\_size] target labels.
- `num_classes`: Total number of classes.
- `on_value`: A scalar defining the on-value.
- `off_value`: A scalar defining the off-value.
- `outputs_collections`: Collection to add the outputs.
- `scope`: Optional scope for name\_scope.

## Returns:

One-hot encoding of the labels.

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