

tf.contrib.estimator.clip_gradients_by_norm

```
clip_gradients_by_norm(  
    optimizer,  
    clip_norm  
)
```

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

Returns an optimizer which clips gradients before applying them.

Example:

```
optimizer = tf.train.ProximalAdagradOptimizer(  
    learning_rate=0.1,  
    l1_regularization_strength=0.001)  
optimizer = tf.contrib.estimator.clip_gradients_by_norm(  
    optimizer, clip_norm)  
estimator = tf.estimator.DNNClassifier(  
    feature_columns=[...],  
    hidden_units=[1024, 512, 256],  
    optimizer=optimizer)
```

Args:

- `optimizer`: An `tf.Optimizer` object to apply gradients.
- `clip_norm`: A 0-D (scalar) `Tensor` > 0. The clipping ratio.

Returns:

A `tf.Optimizer`.

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