

tf.contrib.graph_editor.copy_with_input_replacements

```
copy_with_input_replacements(  
    sgv,  
    replacement_ts,  
    dst_graph=None,  
    dst_scope='',  
    src_scope='',  
    reuse_dst_scope=False  
)
```

Defined in [tensorflow/contrib/graph_editor/transform.py](#).

See the guide: [Graph Editor \(contrib\)](#) > [Module: transform](#)

Copy a subgraph, replacing some of its inputs.

Note a replacement only happens if the tensor to be replaced is an input of the given subgraph. The inputs of a subgraph can be queried using `sgv.inputs`.

Args:

- `sgv`: the source subgraph-view. This argument is converted to a subgraph using the same rules as the function `subgraph.make_view`.
- `replacement_ts`: dictionary mapping from original tensors to the replaced one.
- `dst_graph`: the destination graph.
- `dst_scope`: the destination scope.
- `src_scope`: the source scope.
- `reuse_dst_scope`: if True the `dst_scope` is re-used if it already exists. Otherwise, the scope is given a unique name based on the one given by appending an underscore followed by a digit (default).

Returns:

A tuple `(sgv, info)` where: `sgv` is the transformed subgraph view; `info` is an instance of `TransformerInfo` containing information about the transform, including mapping between original and transformed tensors and operations.

Raises:

- `TypeError`: if `dst_graph` is not a `tf.Graph`.
- `StandardError`: if `sgv` cannot be converted to a `SubGraphView` using the same rules as the function `subgraph.make_view`.

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