

tf.train.export_meta_graph

```
export_meta_graph(  
    filename=None,  
    meta_info_def=None,  
    graph_def=None,  
    saver_def=None,  
    collection_list=None,  
    as_text=False,  
    graph=None,  
    export_scope=None,  
    clear_devices=False,  
    clear_extraneous_savers=False,  
    **kwargs  
)
```

Defined in [tensorflow/python/training/saver.py](#).

See the guides: [Exporting and Importing a MetaGraph](#), [Variables > Exporting and Importing Meta Graphs](#)

Returns **MetaGraphDef** proto. Optionally writes it to filename.

This function exports the graph, saver, and collection objects into **MetaGraphDef** protocol buffer with the intention of it being imported at a later time or location to restart training, run inference, or be a subgraph.

Args:

- **filename**: Optional filename including the path for writing the generated **MetaGraphDef** protocol buffer.
- **meta_info_def**: **MetaInfoDef** protocol buffer.
- **graph_def**: **GraphDef** protocol buffer.
- **saver_def**: **SaverDef** protocol buffer.
- **collection_list**: List of string keys to collect.
- **as_text**: If **True**, writes the **MetaGraphDef** as an ASCII proto.
- **graph**: The **Graph** to import into. If **None**, use the default graph.
- **export_scope**: Optional **string**. Name scope under which to extract the subgraph. The scope name will be striped from the node definitions for easy import later into new name scopes. If **None**, the whole graph is exported. **graph_def** and **export_scope** cannot both be specified.
- **clear_devices**: Whether or not to clear the device field for an **Operation** or **Tensor** during export.
- **clear_extraneous_savers**: Remove any Saver-related information from the graph (both Save/Restore ops and SaverDefs) that are not associated with the provided SaverDef.
- ****kwargs**: Optional keyed arguments.

Returns:

A **MetaGraphDef** proto.

Raises:

- `ValueError` : When the `GraphDef` is larger than 2GB.

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