Module: tf.contrib.graph_editor

Defined in `tensorflow/contrib/graph_editor/__init__.py`.

TensorFlow Graph Editor.

See the Graph Editor (contrib) guide.

Modules

`edit` module: Various function for graph editing.

`reroute` module: Various function for graph rerouting.

`select` module: Various ways of selecting operations and tensors in a graph.

`subgraph` module: SubGraphView: a subgraph view on an existing tf.Graph.

`transform` module: Class to transform an subgraph into another.

`util` module: Utility functions for the graph_editor.

Classes

`class ControlOutputs`: The control outputs topology.

`class SubGraphView`: A subgraph view on an existing `tf.Graph`.

`class Transformer`: Transform a subgraph into another one.

`class TransformerInfo`: "Contains information about the result of a transform operation.

Functions

`add_control_inputs(...)`: Add the control inputs cops to op.

`assign_renamed_collections_handler(...)`: Add the transformed elem to the (renamed) collections of elem.

`bypass(...)`: Bypass the given subgraph by connecting its inputs to its outputs.

`can_be_regex(...)`: Return True if obj can be turned into a regular expression.

`check_cios(...)`: Do various check on control_inputs and control_outputs.

`compute_boundary_ts(...)`: Compute the tensors at the boundary of a set of ops.

`connect(...)` : Connect the outputs of sgv0 to the inputs of sgv1.

`copy(...)` : Copy a subgraph.

`copy_op_handler(...)` : Copy a `tf.Operation`.

`copy_with_input_replacements(...)` : Copy a subgraph, replacing some of its inputs.

`detach(...)` : Detach both the inputs and the outputs of a subgraph view.

`detach_control_inputs(...)` : Detach all the external control inputs of the subgraph sgv.

`detach_control_outputs(...)` : Detach all the external control outputs of the subgraph sgv.

`detach_inputs(...)` : Detach the inputs of a subgraph view.

`detach_outputs(...)` : Detach the output of a subgraph view.

`filter_ops(...)` : Get the ops passing the given filter.

`filter_ops_from_regex(...)` : Get all the operations that match the given regex.

`filter_ts(...)` : Get all the tensors which are input or output of an op in ops.

`filter_ts_from_regex(...)` : Get all the tensors linked to ops that match the given regex.

`get_backward_walk_ops(...)` : Do a backward graph walk and return all the visited ops.

`get_consuming_ops(...)` : Return all the consuming ops of the tensors in ts.

`get_forward_walk_ops(...)` : Do a forward graph walk and return all the visited ops.

`get_generating_ops(...)` : Return all the generating ops of the tensors in `ts`.

`get_name_scope_ops(...)` : Get all the operations under the given scope path.

`get_ops_ios(...)` : Return all the `tf.Operation` which are connected to an op in ops.

`get_tensors(...)` : get all the tensors which are input or output of an op in the graph.

`get_walks_intersection_ops(...)` : Return the intersection of a forward and a backward walk.

`get_walks_union_ops(...)` : Return the union of a forward and a backward walk.

`get_within_boundary_ops(...)` : Return all the `tf.Operation` within the given boundary.

`graph_replace(...)` : Create a new graph which compute the targets from the replaced Tensors.

`keep_t_if_possible_handler(...)` : Transform a tensor into itself (identity) if possible.

`make_list_of_op(...)` : Convert ops to a list of `tf.Operation`.

`make_list_of_t(...)` : Convert ts to a list of `tf.Tensor`.

`make_placeholder_from_dtype_and_shape(...)` : Create a tf.placeholder for the Graph Editor.

`make_placeholder_from_tensor(...)` : Create a `tf.placeholder` for the Graph Editor.

`make_regex(...)` : Return a compiled regular expression.

`make_view(...)` : Create a SubGraphView from selected operations and passthrough tensors.

`make_view_from_scope(...)` : Make a subgraph from a name scope.

`ph(...)` : Create a tf.placeholder for the Graph Editor.

`placeholder_name(...)` : Create placeholder name for the graph editor.

`remove_control_inputs(...)` : Remove the control inputs cops from co.

`replace_t_with_placeholder_handler(...)` : Transform a tensor into a placeholder tensor.

`reroute_inputs(...)` : Re-route all the inputs of sgv0 to sgv1 (see reroute_inputs).

`reroute_ios(...)` : Re-route the inputs and outputs of sgv0 to sgv1 (see _reroute).

`reroute_outputs(...)` : Re-route all the outputs of sgv0 to sgv1 (see _reroute_outputs).

`reroute_ts(...)` : For each tensor's pair, replace the end of t1 by the end of t0.

`select_ops(...)` : Helper to select operations.

`select_ops_and_ts(...)` : Helper to select operations and tensors.

`select_ts(...)` : Helper to select tensors.

`sgv(...)` : Create a SubGraphView from selected operations and passthrough tensors.

`sgv_scope(...)` : Make a subgraph from a name scope.

`swap_inputs(...)` : Swap all the inputs of sgv0 and sgv1 (see reroute_inputs).

`swap_ios(...)` : Swap the inputs and outputs of sgv1 to sgv0 (see _reroute).

`swap_outputs(...)` : Swap all the outputs of sgv0 and sgv1 (see _reroute_outputs).

`swap_ts(...)` : For each tensor's pair, swap the end of (t0,t1).

`transform_op_if_inside_handler(...)` : Transform an optional op only if it is inside the subgraph.

Last updated November 2, 2017.