// This is used for convolution logging. Also see

// tensorflow/core/protobuf/autotuing.h

syntax = "proto3";

package tensorflow;

import "tensorflow/stream\_executor/dnn.proto";

option go\_package = "github.com/tensorflow/tensorflow/tensorflow/go/core/protobuf/for\_core\_protos\_go\_proto";

// A convolution. Currently it's only used for logging. In the future, we may

// want to use it in the API as well.

message ConvolutionProto {

stream\_executor.dnn.ConvolutionKind kind = 1;

stream\_executor.dnn.TensorDescriptorProto input = 2;

stream\_executor.dnn.TensorDescriptorProto filter = 3;

stream\_executor.dnn.TensorDescriptorProto output = 4;

stream\_executor.dnn.ConvolutionDescriptorProto conv\_desc = 5;

// result = conv\_scale \* conv(...) + side\_value\_scale \* side\_value.

// side\_value is an arbitrary buffer if activation is not none. Otherwise, it

// has to be the result buffer (using its old values).

double conv\_scale = 6;

double side\_value\_scale = 7;

stream\_executor.dnn.ActivationMode activation = 8;

int64 input\_address = 9;

int64 filter\_address = 10;

int64 output\_address = 11;

int64 bias\_address = 12;

int64 side\_input\_address = 13;

}