// Protocol buffer representing slices of a tensor

syntax = "proto3";

package tensorflow;

option cc\_enable\_arenas = true;

option java\_outer\_classname = "TensorSliceProtos";

option java\_multiple\_files = true;

option java\_package = "org.tensorflow.framework";

option go\_package = "github.com/tensorflow/tensorflow/tensorflow/go/core/framework/tensor\_slice\_go\_proto";

// Can only be interpreted if you know the corresponding TensorShape.

message TensorSliceProto {

// Extent of the slice in one dimension.

message Extent {

// Either both or no attributes must be set. When no attribute is set

// means: All data in that dimension.

// Start index of the slice, starting at 0.

int64 start = 1;

// Length of the slice: if the length is missing or -1 we will

// interpret this as "everything in this dimension". We use

// "oneof" to preserve information about whether the length is

// present without changing the serialization format from the

// prior proto2 version of this proto.

oneof has\_length {

int64 length = 2;

}

}

// Extent of the slice in all tensor dimensions.

//

// Must have one entry for each of the dimension of the tensor that this

// slice belongs to. The order of sizes is the same as the order of

// dimensions in the TensorShape.

repeated Extent extent = 1;

}