syntax = "proto3";

package tensorflow.eager;

import "tensorflow/core/framework/tensor\_shape.proto";

import "tensorflow/core/framework/types.proto";

option cc\_enable\_arenas = true;

option java\_outer\_classname = "RemoteTensorHandleProtos";

option java\_multiple\_files = true;

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

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

message ResourceDtypeAndShape {

DataType dtype = 1;

TensorShapeProto shape = 2;

}

message RemoteTensorHandle {

// The ID of the operation that produced this tensor.

int64 op\_id = 1;

// The index into the outputs of the operation that produced this tensor.

int32 output\_num = 2;

// Device where the tensor is located. Cannot be empty.

// For multi-device functions, it's the default device passed to placer.

string device = 3;

// Device of the operation producing this tensor. Can be empty if the

// operation producing this tensor is a multi-device function.

string op\_device = 4;

// Tensor type.

DataType dtype = 5;

// Optional data types and shapes of a remote resource variable.

repeated ResourceDtypeAndShape resource\_dtypes\_and\_shapes = 6;

}