syntax = "proto3";

package tensorflow;

option cc\_enable\_arenas = true;

option java\_outer\_classname = "DeviceAttributesProtos";

option java\_multiple\_files = true;

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

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

message InterconnectLink {

int32 device\_id = 1;

string type = 2;

int32 strength = 3;

}

message LocalLinks {

repeated InterconnectLink link = 1;

}

message DeviceLocality {

// Optional bus locality of device. Default value of 0 means

// no specific locality. Specific localities are indexed from 1.

int32 bus\_id = 1;

// Optional NUMA locality of device.

int32 numa\_node = 2;

// Optional local interconnect links to other devices.

LocalLinks links = 3;

}

message DeviceAttributes {

// Fully specified name of the device within a cluster.

string name = 1;

// String representation of device\_type.

string device\_type = 2;

// Memory capacity of device in bytes.

int64 memory\_limit = 4;

// Platform-specific data about device that may be useful

// for supporting efficient data transfers.

DeviceLocality locality = 5;

// A device is assigned a global unique number each time it is

// initialized. "incarnation" should never be 0.

fixed64 incarnation = 6;

// String representation of the physical device that this device maps to.

string physical\_device\_desc = 7;

// A physical device ID for use in XLA DeviceAssignments, unique across

// clients in a multi-client setup. Set to -1 if unavailable, non-negative

// otherwise.

int64 xla\_global\_id = 8;

}