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==============================================================================\*/

syntax = "proto3";

package tensorflow;

option cc\_enable\_arenas = true;

option java\_outer\_classname = "DevicePropertiesProtos";

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

message DeviceProperties {

// Device type (CPU, GPU, ...)

string type = 1;

// Vendor (Intel, nvidia, ...)

string vendor = 2;

// Model (Haswell, K40, ...)

string model = 3;

// Core Frequency in Mhz

int64 frequency = 4;

// Number of cores

int64 num\_cores = 5;

// Version of the tools and libraries used with this device (e.g. gcc 4.9,

// cudnn 5.1)

map<string, string> environment = 6;

// Number of registers per core.

int64 num\_registers = 7;

// L1 cache size in bytes

int64 l1\_cache\_size = 8;

// L2 cache size in bytes

int64 l2\_cache\_size = 9;

// L3 cache size in bytes

int64 l3\_cache\_size = 10;

// Shared memory size per multiprocessor in bytes. This field is

// applicable to GPUs only.

int64 shared\_memory\_size\_per\_multiprocessor = 11;

// Memory size in bytes

int64 memory\_size = 12;

// Memory bandwidth in KB/s

int64 bandwidth = 13;

}

message NamedDevice {

string name = 1;

DeviceProperties properties = 2;

}