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

syntax = "proto3";

package tensorflow;

option cc\_enable\_arenas = true;

option java\_outer\_classname = "DeviceFiltersProtos";

option java\_multiple\_files = true;

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

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

// This file contains protos to be used when defining a TensorFlow

// cluster.

//

// Configure device filters for remote tasks in the cluster. When associated

// with a ClusterDef in setting up the cluster, a remote task will ignore all

// devices which do not match any of its filters. Device filters must be

// configured at the cluster startup, and cannot be updated once the cluster is

// up and running.

//

// EXAMPLES

// --------

//

// A two-job cluster with the following ClusterDef:

//

// Cluster:

// job { name: 'worker' tasks { key: 0 value: 'worker1:2222' }

// tasks { key: 1 value: 'worker2:2222' } }

// job { name: 'ps' tasks { key: 0 value: 'ps0:2222' }

// tasks { key: 1 value: 'ps1:2222' } }

//

// Set device filters to isolate worker tasks:

//

// ClusterDeviceFilters:

// job { name: 'worker' tasks { key: 0

// value: device\_filter '/job:ps'

// device\_filter '/job:worker/task:0' }

// tasks { key: 1

// value: device\_filter '/job:ps'

// device\_filter '/job:worker/task:1' } }

// Defines the device filters for a remote task.

message TaskDeviceFilters {

repeated string device\_filters = 1;

}

// Defines the device filters for tasks in a job.

message JobDeviceFilters {

// The name of this job.

string name = 1;

// Mapping from task ID to task device filters.

map<int32, TaskDeviceFilters> tasks = 2;

}

// Defines the device filters for jobs in a cluster.

message ClusterDeviceFilters {

repeated JobDeviceFilters jobs = 1;

}