syntax = "proto3";

package tensorflow.serving;

option cc\_enable\_arenas = true;

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

import "tensorflow\_serving/apis/model.proto";

// PredictRequest specifies which TensorFlow model to run, as well as

// how inputs are mapped to tensors and how outputs are filtered before

// returning to user.

message PredictRequest {

// Model Specification. If version is not specified, will use the latest

// (numerical) version.

ModelSpec model\_spec = 1;

// Input tensors.

// Names of input tensor are alias names. The mapping from aliases to real

// input tensor names is stored in the SavedModel export as a prediction

// SignatureDef under the 'inputs' field.

map<string, TensorProto> inputs = 2;

// Output filter.

// Names specified are alias names. The mapping from aliases to real output

// tensor names is stored in the SavedModel export as a prediction

// SignatureDef under the 'outputs' field.

// Only tensors specified here will be run/fetched and returned, with the

// exception that when none is specified, all tensors specified in the

// named signature will be run/fetched and returned.

repeated string output\_filter = 3;

}

// Response for PredictRequest on successful run.

message PredictResponse {

// Effective Model Specification used to process PredictRequest.

ModelSpec model\_spec = 2;

// Output tensors.

map<string, TensorProto> outputs = 1;

}