syntax = "proto3";

package tensorflow.data.experimental;

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

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

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

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

// Each SnapshotRecord represents one batch of pre-processed input data. A batch

// consists of a list of tensors that we encode as TensorProtos. This message

// doesn't store the structure of the batch.

message SnapshotRecord {

repeated .tensorflow.TensorProto tensor = 1;

}

// This stores the metadata information present in each snapshot record.

message SnapshotMetadataRecord {

// Stores the fingerprint of the graph that describes the dataset that is

// snapshotted.

string graph\_hash = 1;

// Run ID that this snapshot corresponds to.

string run\_id = 2;

// Time when we started creating this snapshot.

int64 creation\_timestamp = 3;

// Version of the snapshot data file format.

int64 version = 4;

// A list of tensor dtype corresponding to each element of the snapshot.

repeated .tensorflow.DataType dtype = 5;

// The number of elements in the snapshot.

int64 num\_elements = 6;

bool finalized = 1000;

}

// Metadata for a single tensor in the Snapshot Record.

message TensorMetadata {

.tensorflow.TensorShapeProto tensor\_shape = 2;

// Number of uncompressed bytes used to store the tensor representation.

int64 tensor\_size\_bytes = 3;

}

// Metadata for all the tensors in a Snapshot Record.

message SnapshotTensorMetadata {

repeated TensorMetadata tensor\_metadata = 1;

}