#pragma once

#include <string>

#include <cstdlib>

#include <unistd.h>

#include <stdexcept>

#include <inttypes.h>

#include <stdint.h>

namespace twml {

class BlockFormatReader {

private:

int record\_size\_;

long block\_pos\_;

long block\_end\_;

char classname\_[1024];

int read\_one\_record\_size();

int read\_int();

int consume\_marker(int scan);

int unpack\_varint\_i32();

int unpack\_tag\_and\_wiretype(uint32\_t \*tag, uint32\_t \*wiretype);

int unpack\_string(char \*out, uint64\_t max\_out\_len);

public:

BlockFormatReader();

bool next();

uint64\_t current\_size() const { return record\_size\_; }

virtual uint64\_t read\_bytes(void \*dest, int size, int count) = 0;

};

}