



```
/*
 * This sketch attempts to initialize an SD card and analyze its structure.
 */
#include <SdFat.h>
/*
 * SD chip select pin. Common values are:
 *
 * Arduino Ethernet shield, pin 4.
 * SparkFun SD shield, pin 8.
 * Adafruit SD shields and modules, pin 10.
 * Default SD chip select is the SPI SS pin.
 */
const uint8_t SdChipSelect = SS;

Sd2Card card;
SdVolume vol;

// serial output stream
ArduinoOutputStream cout(Serial);

// global for card erase size
uint32_t eraseSize;
//-----
// store error strings in flash
#define sdErrorMsg(msg) sdErrorMsg_P(PSTR(msg));
void sdErrorMsg_P(const char* str) {
  cout << pgm(str) << endl;
  if (card.errorCode()) {
    cout << pstr("SD errorCode: ");
    cout << hex << int(card.errorCode()) << endl;
    cout << pstr("SD errorData: ");
    cout << int(card.errorData()) << dec << endl;
  }
}
//-----
uint8_t cidDmn() {
```

