

CC31xx File Operations Application

File Operations

Overview

This example demonstrate using the file operations of the device. Serial-flash is used as the storage medium. We have 2 MB Sflash. Initial 1 MB has the filesystem.

Page, Sector and Block size is given below:

- Page - 256 Bytes
- Sector - 4 Kb
- Block - 64 Kb

Sflash transfer data over MCSPI interface. Different APIs are provided for:

- Sflash read
- Sflash write
- Sector Erase
- Block Erase
- Chip Erase

Application details

The objective of this application is to exercise the APIs of the sflash module. It provides users, an interface to execute different APIs for SFLASH read, write and erase.

This application allows the users to

- Open a user file for writing
- Write "Old MacDonalds" child song several times to get just below a 64KB file
- Close the user file
- Open the file again for reading
- Read the data and compares it with the stored buffer
- Close the user file

Usage

- Build and launch the application

```
Application open a file and write "Old MacDonalds" child song 36
times to get just below 63 KB size
```

```
It reopens the same file in read-only mode and reads the file
contents
```

- A GREEN-LED indicates a positive result and a RED-LED indicates a failure
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Limitations/Known Issues

None

Article Sources and Contributors

CC31xx File Operations Application *Source:* <http://ap-fpdsp-swapps.dal.design.ti.com/index.php?oldid=189173> *Contributors:* A0131814, Beatrice, Giansway