CC32xx File Operations

# **CC32xx File Operations**

## Overview

This example demonstate the file operations that can be performed by the applications. The application use the serial-flash as the storage medium.

CC3200 launchpad has 1 MB Sflash.

Page, Sector and Block size is given below:

Page - 256 Bytes

Sector - 4 Kb

Block - 64 Kb



A filesystem is maintained in the SFlash and the simplelink library exposes APIs to perform file operations by storing the contents in SFlash. The application demonstrates the usage of these APIs.

## **Application details**

The application does the following:

- Open a user file for writing
- Writes "Old MacDonalds" child song several times to get just below a 64KB file
- · Closes the user file
- · Opens the file again for reading
- · Reads the data and compares it with the stored buffer
- Closes the user file
- Glows the GREEN LED on success, else glows the RED LED on failure.

## Source Files briefly explained

gpio\_if - Basic GPIO interface APIs. Used to control the RED/GREEN LED.

main - Initializes the device, exercises the file operation APIs supported by the SimpleLink library

pinmux - Assigns a personality to the pins at the device boundary

startup\_\* - Tool specific vector table implementation

## **Usage**

- 1. Run the reference application (Flashing the bin/IAR/CCS).
- 2. In case the file operations succeeds, on completion, the GREEN LED glows. In case of any errors, the RED LED glows.

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# **Limitations/Known Issues =**

None.

## Links

Template:CC32xx Sample Apps Map

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