

Chapter 4: Using the WICED-SDK Library

Objective

WICED-SDK Library

Libraries folder has utilities to help with some of the things your project needs to do

1. Audio
2. Crypto
3. Daemons
4. Drivers
5. Filesystems: FAT, FILE, etc.
6. Graphics: U8G OLED
7. Inputs
8. Protocols: HTTP, COAP, MQTT
9. Test: Tools for testing network performance
10. Utilities: JSON parser – cJSON and JSON_parser. Use cJSON – more robust, simpler

U8G_OLED and JSON parser are needed for final project

U8G:

- Is an I2C slave – point out steps to use it
- Note what goes in makefile and in C file to include it

JSON

- Lingua franca for IoT - the most common format for transmitting the data
- Simple, text based
- Not space or newline picky
- Show the data types
- Talk through the example

Exercise(s)

Exercises – 45 minutes