# 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 though the example

## Exercise(s)

Exercises – 45 minutes