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| Cell | **Visuals** | **Audio** |
| 1 | Shot of Alan  TEXT ON SCREEN:  Download the manual and solution projects at:  [www.cypress.com/training/wicedwifi-101](http://www.cypress.com/training/wicedwifi-101) | Hi, I’m Alan Hawse. I am Senior Vice President of Technical Staff for Solutions and Software at Cypress Semiconductor. Welcome to Chapter 4 of Cypress Academy WICED WiFi 101. |
| 2 | SCREEN CAPTURE: Show top level of library folder in WICED studio. | In this chapter, we will talk about some of the library functions available inside WICED studio. These libraries are made available to help you accomplish common tasks more easily in your firmware. That is, they allow you to do something without “reinventing the wheel” every time. |
| 3 | SCREEN CAPTURE: Show library folders and subfolders in WICED studio or have this list appear on screen next to Alan. | The libraries include:   * Audio – Apollo, FLAC, and other audio standards – an area where WICED excels * Cryptography – implementations of ECDH and ECDSA encryption (Elliptic Curve Diffie Hellman and Elliptic Curve Digital Signature Algorithm) * Daemons – various daemons such as DHCP, DNS, HTTP, etc. * Drivers – drivers for audio, sensors, SPI flash, USB, etc. * Filesystems – various filesystem implementations * Graphics – U8G and UGUI graphics libraries * Inputs – button management functions * Protocols – many internet cloud protocols such as AMQP, COAP, HTTP, MQTT, etc. * Test – test projects * Utilities – various utilities such as JSON parsing, etc. |
| 4 | VIDEO: Show picture of the kit driving the OLED display (use graphics project). | In the next few videos, I’ll show you how to use the U8G graphics library to drive a 128x64 U8G OLED display, and how to use the cJSON parser. The in later videos I will show you how to build networking projects that use the application protocols HTTP, MQTT, COAP, AMQP in addition to the networking fundamentals DNS, DHCP etc. |
| 5 | TEXT ON SCREEN:  Cypress Developers Community  community.cypress.com  Show video of email and twitter windows. | As always, you can post your comments and questions in our Wifi developer community or you are welcome to email me at alan\_hawse@cypress.com or tweet me at @askioexpert with your comments, suggestions, criticisms and questions. |