CC31xx SLS Getting started with WLAN AP

Overview and application details

This sample application demonstrates how to configure CC3100 in Access-Point mode. Any WLAN station in its range can connect/communicate to/with it as per the standard networking protocols. On a successful connection, the device pings the connected station.

For information on how to use Visual-Studio or Eclipse to compile and run this application, refer to cc3100_getting_started_guide_swru375 [1] in '<cc3100/>docs' folder.

By default, this application communicates w/ CC3100 over SPI. The SDK has UART-Drivers as well for 'SimpleLink Studio' platform. For using the UART interface to communicate w/ CC3100, macro **SL_IF_TYPE_UART** has to be defined in the application-project's properties. Also, 'COMM_PORT_NUM **in** main.c **needs to be changed to the first com-port that gets enumerated for 'J6' of 'CC31xxEMUBOOST Brd'. In case four ports are getting enumerated, user should use the third com-port.**

Note: This wiki page is only applicable for **CC3100-SDK v1.0.0** and upward releases. For documentation on older SDKs' examples, refer corresponding file in **<cc3100-sdk-installation-location>\cc3100-sdk\docs\examples**

Source Files briefly explained

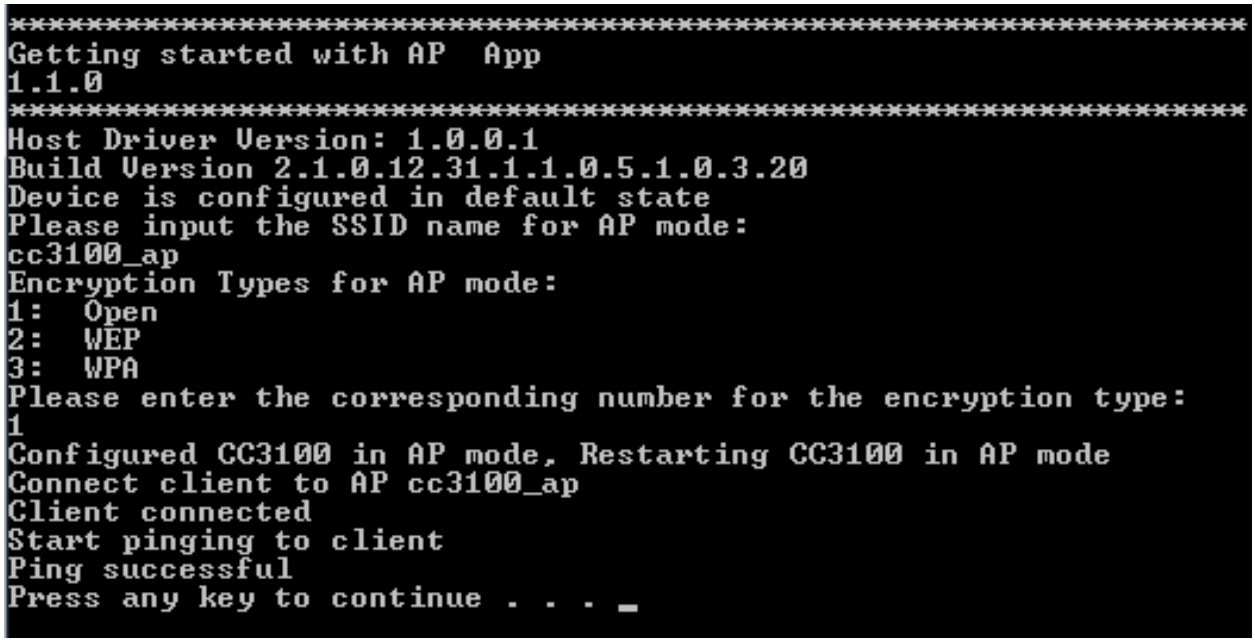
i. main - Initializes the device, configures it in AP mode and verifies the connection status

Usage

- Build and launch the application using VS or Eclipse
- The application shall request user for the SSID name and security configuration of the device in AP mode - Enter the required details on the terminal

```
   Note: The device will be configured in AP mode and shall wait for
clients to connect w/ it. It also pings the connected clients to check
the connection status
```

- On a success, below message will be displayed on the terminal.



Note: : User needs to reconfigure the device in 'Station-Mode' for executing other sample applications. Refer function **configureSimpleLinkToDefaultState** in this example's **main.c** for configuring the device in 'Station-Mode'.

Limitations/Known Issues

None

References

[1] http://www.ti.com/lit/pdf/swru375

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