CC31xx SLS Get Weather Application

Overview and application details

This sample application demonstrates how to connect to **openweathermap.org** server and request for weather details of a city. The application opens a TCP socket w/ the server and sends a HTTP **Get** request to get the weather details. The received data is processed and displayed on the console

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, connects to an AP, opens a TCP socket, requests and displays the weather information.

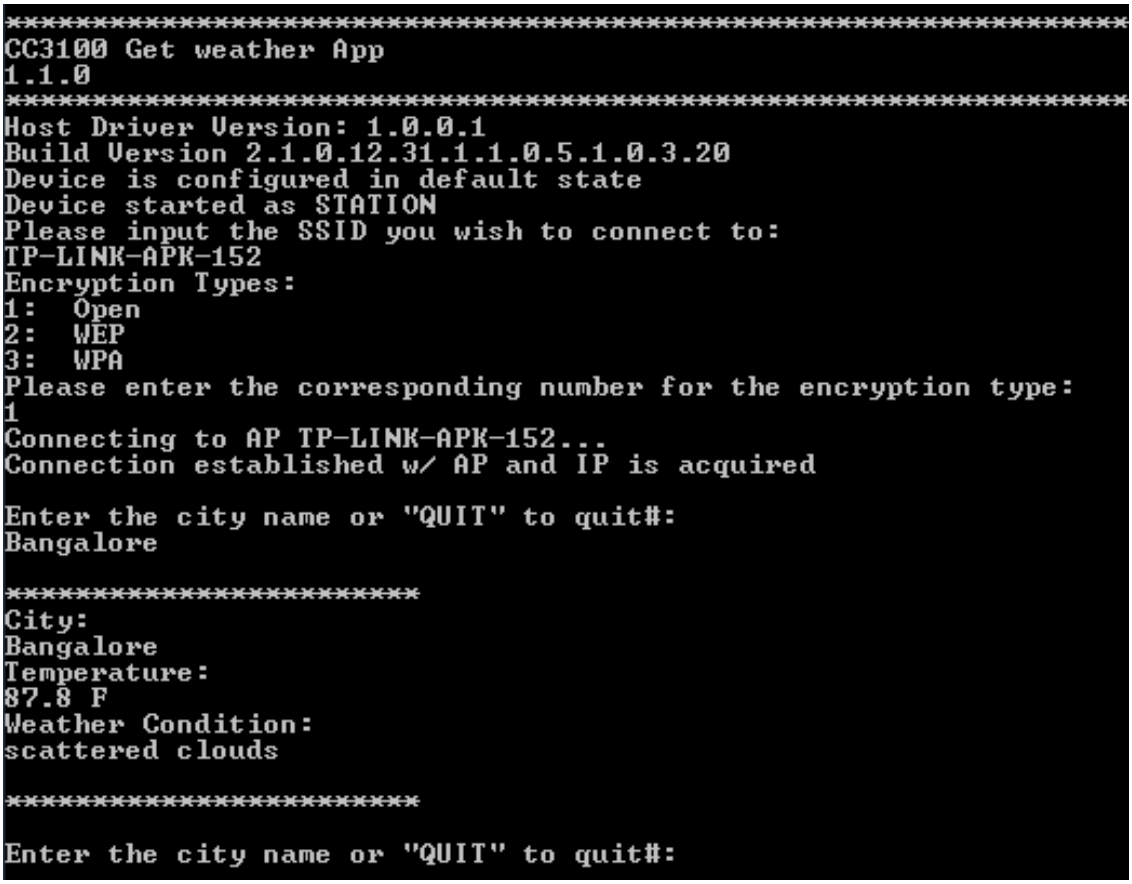
Usage

Prerequisite: Internet connectivity is required to work w/ this application

- Build and launch the application using Visual-Studio or Eclipse.
- The application requests user for the AP's SSID and security parameters for establishing the connection. It also requests user for the city's name for getting the weather information. Enter the required information on the console

```
   The application connects to the weather-server and opens an TCP
socket to communicate w/ it. It receives and processes the
weather-information and displays it on the console
```

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



Limitations/Known Issues

None

References

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

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