CC31xx 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

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: This application requires an access-point with internet connectivity

- Connect the board to a Windows-PC and configure the terminal-program for seeing the logs - [| CC31xx_&_CC32xx_Terminal_Setting_Wiki [1]] has detailed instructions for configuring the terminal-program
- Edit **sl_common.h** and modify the values of below macros for the device to connect to the AP

```
#define SSID_NAME       "<ap_name>"
#define SEC_TYPE        SL_SEC_TYPE_OPEN
#define PASSKEY         ""
```

- Edit below parameters in **main.c** for getting the weather information from server:

```
#define CITY_NAME       "<city>"
```

- Build and launch the application
- See the self explanatory logs on the terminal-program's 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://processors.wiki.ti.com/index.php/CC31xx_&_CC32xx_Terminal_Setting

Article Sources and Contributors

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