

CC31xx Get Weather Application

Overview and application details

Get-Weather application connects to "openweathermap.org" server and requests for weather details of a city. It processes the received data and displays it on console. It opens a TCP socket with server and sends a HTTP Get request to get the weather details.

Source Files briefly explained

i. main - Initializes the device, connects to an AP, opens a TCP socket, requests and displays the weather information.

Usage

- Configure the terminal-program for seeing the log-prints - Refer QSG for more details
- Edit 'main.c' 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        ""
#define PASSKEY_LEN    strlen(PASSKEY)
```

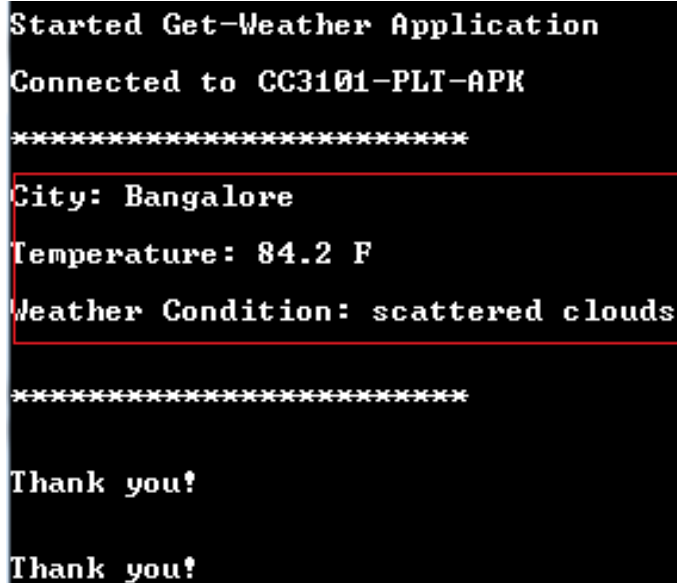
- Edit below parameters in 'main.c' for getting the weather information from server:

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

- Build and launch the application

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



```
Started Get-Weather Application
Connected to CC3101-PLT-APK
*****
City: Bangalore
Temperature: 84.2 F
Weather Condition: scattered clouds
*****
Thank you!
Thank you!
```

Limitations/Known Issues

None

Article Sources and Contributors

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