CC31xx Mode Config Application

Overview and application details

This sample application demonstrates how to configure CC3100 device in **STATION** or **Access Point** mode. This application uses host-driver APIs to configure the device in either of these two modes and shouldn't be confused w/ **Force AP Mode** which is used to force CC3100 to wake-up in AP mode and run with pre-defined configurations.

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 - Configure the station/AP mode, initialize the device and in station mode connects to AP.

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
- Define **__CONFIGURE_AP__** for configuring CC3100 in AP mode. If this macro is undefined, CC3100 will be configured in STA mode
- Edit **sl_common.h** and set values for below macros:

1. In STA mode, edit following parameters to establish connection w/ an AP.

```
#define SSID_NAME          "<ap-name>"
#define SEC_TYPE           SL_SEC_TYPE_OPEN
#define PASSKEY            ""
```

2. In AP mode, CC3100 will come-up in AP mode w/ below credentials.

```
#define SSID_AP_MODE       "cc3100_ap"
#define PASSWORD_AP_MODE   ""
#define SEC_TYPE_AP_MODE   SL_SEC_TYPE_OPEN
```

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

Article Sources and Contributors

CC31xx Mode Config Application *Source*: http://processors.wiki.ti.com/index.php?oldid=184923 *Contributors*: A0131814, A0132173, A0221015, Codycooke, Malokyle

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