CC31xx HTTP Server

Overview

This sampel application demostrates the capability of CC3100 acting as a web server and allowing the end-user to communicate w/ CC3100 using a standard web browser.

For more details on CC31xx HTTP web server please refer to '<cc3100/>docs/examples/simplelink_http_web_server_user_guide.pdf'

Application details

This application configures the CC3100 into AP mode with defined SSID-NAME and uses the sample HTML pages to toggle on-board LEDs. GET and POST tokens are used to get the LEDs' status and toggle the LEDs respectively.

Client can connect to CC3100 and request for web-pages using the IP of device from any standard web browser. The HTML pages provided with the sample application needs to be downloaded on sFLASH using the 'sl_prog" utility. The authentication parameters and domain name can be changed using corresponding host-driver APIs.

Usage

• Download the 'main.html' and 'blink_led.html' on sFLASH using below commands

```
   slprog_<version>.exe -p <port-num> -b
<batch-file>.txt
   where, <batch-file>.txt shall contain:
       <path>/main.html,www/main.html,SFLASH
       <path>/blink_led.html,www/blink_led.html,SFLASH
   'sl_prog' utility provided with the SDK and the accompanying
'README.txt' has more details/instructions on flashing.
```
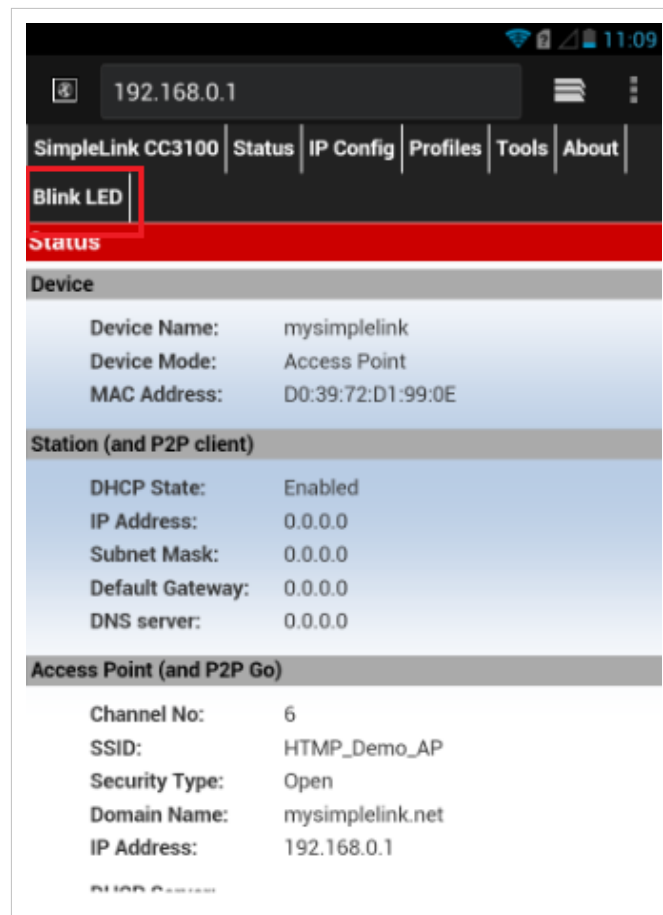
• Edit 'main.c' and modify the value for 'SSID_NAME'
• Build and launch the project.

```
   CC3100 will come-up in AP mode w/ the value set above as its SSID
name
```
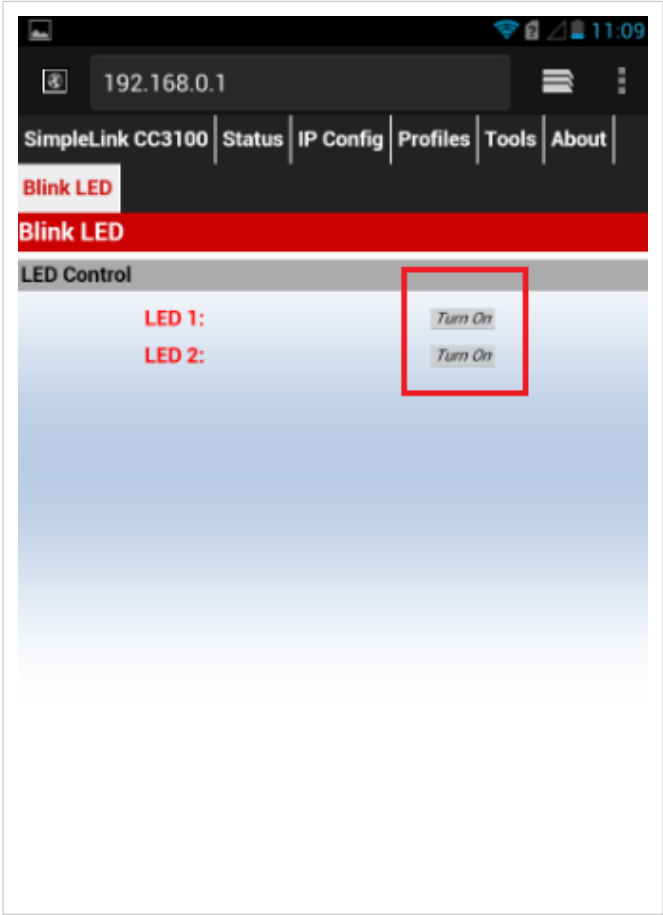
• Connect a client w/ CC3100 using its SSID name
• Open a web bowser on the client and enter the IP of CC3100 in the address bar

```
   Default IP address is 192.168.0.1
   Alternatively, 'mysimplelink.net' can also be entered for accessing
the web page
```

• On the page that gets displayed, click on the 'Blink LED'

- Use LED buttons to turn ON/OFF the LEDs on the MCU board.

Limitations/Known Issues

Refer to Limitation and Known issue section of '<cc3100/>docs/examples/simplelink_http_web_server_user_guide.pdf'

Article Sources and Contributors

CC31xx HTTP Server *Source*: http://ap-fpdsp-swapps.dal.design.ti.com/index.php?oldid=188622 *Contributors*: A0131814, Giansway

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