CC31xx Provisioning AP

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Overview and Application details

Provisioning AP demonstates the usage of CC3100's internal web-server to associate the device with an access-point. The device comes-up in STATION mode, scans for available APs, switches to AP mode and waits for client to connect and complete the provisioning process.

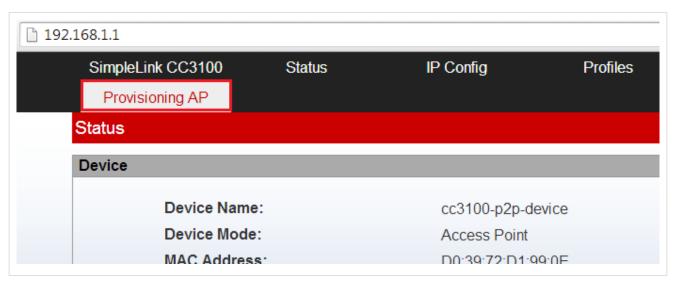
Usage

Download 'main.html', 'provisioning_apg.html', 'param_status.html' and 'js/jquery-1.8.3.min.js' using 'sl_prog' utility provided with the SDK. Instruction on using 'sl_prog' is provided in 'README.txt' under '<sdk>/tools/sl_progammer_command_line/' directory.

• Build and run the application

Device first comes up in STA mode, scans for visible access-points. Next, it restarts and comes up in AP mode (w/ SSID name as 'CC3100_PROVISIONING_AP') for clients to connect and provision the device to an access-point using a web browser.

- Connect a client to SSID 'CC3100_PROVISIONING_AP'
- Open the web bowser and enter the IP of CC3100 (default IP: 192.168.1.1). 'mysimplelink.net' can also be entered for accessing the web page.
- Click on 'Provisioning AP' tab.

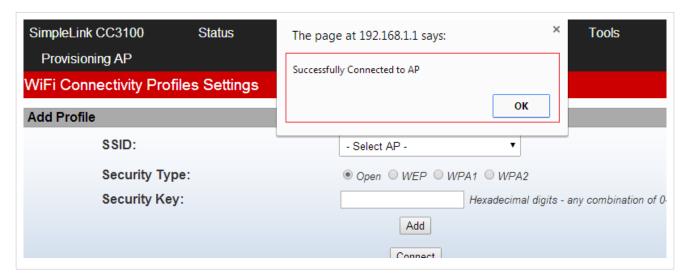


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• Select an AP from the list, enter the security parameters, click on 'Add' and 'Connect' button to connect to the AP



• Wait for the feedback for CC3100. (Instructions provided by the web page should be followed)



• Click on 'Switch to Station Mode' to connect to the AP.



Limitations/Known Issues

• Only 20 APs can be scanned by the CC3100

Article Sources and Contributors

 $\textbf{CC31xx Provisioning AP} \ \textit{Source}: \ \texttt{http://ap-fpdsp-swapps.dal.design.ti.com/index.php?oldid=188865} \ \ \textit{Contributors}: \ \texttt{A0131814}, \ \texttt{Giansway Matter Grands}: \ \texttt{Giansway Matter Grands}: \ \texttt{A0131814}, \ \texttt{Giansway Matter Grands}: \ \texttt{A0131814}, \ \texttt{A0131814}$

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