CC31xx Enterprise Network Connection

Overview and application details

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This sample application demonstrates how CC3100 device can be connected to an enterprise-network. The device looks for appropriate certificate-files on the serial-flash for establishing an enterprise connection - Contact your network administrators for the certificate-files.

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 a enterprise network

Usage

- Contact your network administrator for the certificate-file that's required to establish connection w/ your enterprise network
- Download the certificate file as **/cert/ca.pem** on the serial-flash using CCS_UniFlash [1] utility. Uniflash_User_Guide has detailed instructions for flashing the certificate files
- Open **main.c** and modify **ENT_SSID_NAME**, **ENT_USER_NAME**, **ENT_PASS_KEY**, **ENT_SEC_METHOD** and **ENT_SEC_TYPE** as per your access-point's properties. SimpleLink device will connect to this AP when the application is executed
- Open **sl_common.h** and modify the values for **DATE** to **SECOND**
- Build and run the application
- See the self explanatory logs on the terminal-program's console.
- On success, below message will be displayed on the terminal and the device connects to the enterprise network with the credentials in USER_NAME & PASS_KEY

```
Enterprise network connection application - Version 1.1.0
************************************************************
Device is configured in default state
Device started as STATION
Connection established w/ AP and IP is acquired
```

Limitations/Known Issues

None

References

[1] http://www.ti.com/tool/uniflash

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