

# CC31xx Enterprise Network Connection

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## Overview and application details

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.

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**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`<sup>[1]</sup> 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`

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## Limitations/Known Issues

None

## References

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

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# Article Sources and Contributors

**CC31xx Enterprise Network Connection** *Source:* <http://processors.wiki.ti.com/index.php?oldid=184844> *Contributors:* A0131814, A0132173, A0221015, Codycooke, Malokyle

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