# CC32xx UART Demo Application

## **Overview**

The Device has hardware support for UART funcationality. It has various standard features including programmable baud rate, separate Transmit and Receive FIFO, fully proigrammable serial interface characteristics.

# **Application details**

The objective of this application is to showcase the use of UART. The use case includes getting input from the user and display information on the terminal. This example take a string as input and display the same when enter is received.

## Source Files briefly explained

- pinmux Pinmux configurations as required by the application.
- main- display banner, receieve input and echoes back the input.
- startup\_ccs.c CCS specific vector table implementation for interrupts.
- startup\_ewarm.c IAR workbench specific vector table implementation for interrupts.
- uart\_logger APIs to display information over the UART.

## **Usage**

• Setup a serial communication application (HyperTerminal/TeraTerm). For detail info visit Terminal setup

On the host PC. The settings are:

- Port: Enumerated COM port

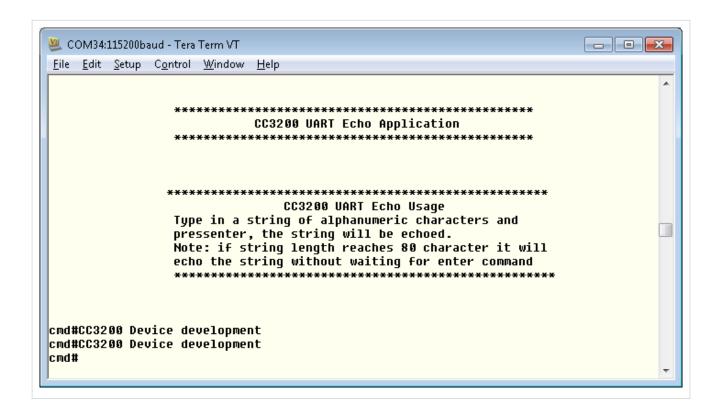
- Baud rate: 115200

- Data: 8 bit- Parity: None- Stop: 1 bit

- Flow control: None

- Run the reference application (Flashing the bin/IAR/CCS).
- Observe the status messages on the host over serial port to understand the sequence of operations performed by the application.

Terminal snapshot when application runs on device:



## **Limitations/Known Issues**

None.

# **Article Sources and Contributors**

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