

# CC3100 & CC3200 Capture NWP Logs

From Texas Instruments Wiki

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## Overview

If you have been requested by TI engineers to capture NWP (Network Processor) logs, please follow the instruction in the page and send the log file to your TI engineer.

## Step 1: Configuring Pinmux for CC3200

In the pinmux.c file, add the following to the PinMuxConfig() function:

```
// If your application already have UART0 configured, no need for this line
MAP_PRCMPeripheralClkEnable(PRCM_UARTA0, PRCM_RUN_MODE_CLK);

// Mux Pin62 to mode 1 for outputing NWP Logs
MAP_PinTypeUART(PIN_62, PIN_MODE_1);
```

Extract pin 62 and connect it to some Serial to USB convertor. If you have a CC31XXEMUBOOT, connect the signal to pin P4.7.

If you are using CC3100 Boosterpack and it is currently mounted on the CC31XXEMUBOOT, no action is required in this step.

## Step 2: Terminal Setting

Open a serial connection application like TeraTerm or Putty (See CC31xx & CC32xx Terminal Setting), and configure the settings:

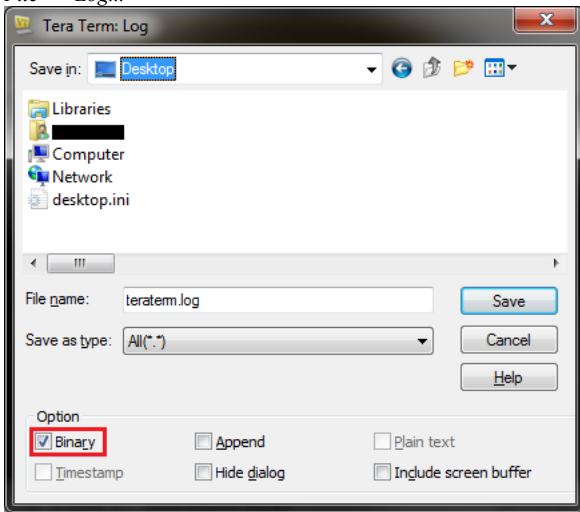
Parameter	Value
Baud rate	921600
Data bits	8
Stop bits	1
Parity	None
Flow Control	None

If you have a CC31XXEMUBOOT, connect the 4th port in the device manager.

Configure the terminal emulation to work in Binary mode (and not textual/ASCII mode) and record the log. Here are some examples:

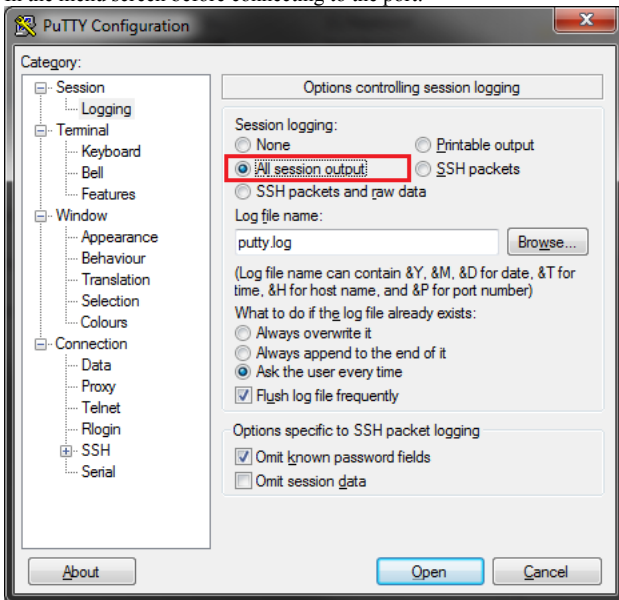
### Tera Term

File --> Log...



### Putty

In the menu screen before connecting to the port:



### Step 3: Run your program


Run your application and make sure the logs are being recorded and saved. The log can be taken at any period of time as long as there's output on the console. The console output should be non-readable.

### Step 4: Send to TI Engineer

Please deliver the log file to your TI engineer for investigation.

### Links

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