STM32 F3 Discovery Kit Development

Tuesday, May 6, 2014   2:20 PM

ST-Link

Preparation:

For Mac:

1. If you haven't installed homebrew:
   ruby -e "$(curl -fsSL https://raw.github.com/mxcl/homebrew/go)"
2. brew tap nitsky/stm32
3. Install the compiler
   brew install arm-none-eabi-gcc
   brew install --HEAD stlink

For Linux, it should be very similar.

Flash the Code:

1. Download stm32_F3_Discovery_template
2. Connect the board with your computer
3. Go to the directory of your code, and open a terminal, run: make. There should be a folder named build.
4. open another terminal, run: st-util
5. open another terminal, go into build folder, run: arm-none-eabi-gdb
6. In GDB,
   (gdb) tar ext :4242
   (gdb) load program.elf
   (gdb) run

USB

Download m4Template_F303_Discovery and follow the instructions in Readme.txt.