# User installation (linux)

## SDK installation

http://www.ti.com/tool/download/SIMPLELINK-CC3220-SDK

Linux Installer for SimpleLink CC3220 SDK (includes Service Pack) 1.30.01.03

Modify simplelink\_cc32xx\_sdk\_1\_30\_01\_03/imports.mak

Update relevant paths:

|  |
| --- |
| XDC\_INSTALL\_DIR ?= /home/phung/ti/xdctools\_3\_50\_01\_12\_core  CCS\_ARMCOMPILER ?= /home/phung/ti/ccsv7/tools/compiler/ti-cgt-arm\_16.9.1.LTS  GCC\_ARMCOMPILER ?= /home/phung/ti/ccsv7/tools/compiler/gcc-arm-none-eabi-4\_9-2015q3 |

Ignore FreeRTOS:

|  |
| --- |
| FREERTOS\_INSTALL\_DIR ?= /home/phung/FreeRTOSv9.0.0 |

## CCS7 installation

http://processors.wiki.ti.com/index.php/Download\_CCS

Linux Version 7.1.0.00016

# Binary build (linux)

Clone cc3220.git\

#Make kernel

>cd cc3220\simplelink\_cc32xx\_sdk\_1\_30\_01\_03\kernel

>make

#Make example  
>cd cc3220\simplelink\_cc32xx\_sdk\_1\_30\_01\_03\examples\rtos\CC3220S\_LAUNCHXL\demos\portable\tirtos\ccs

>make

An \*.out will be generated

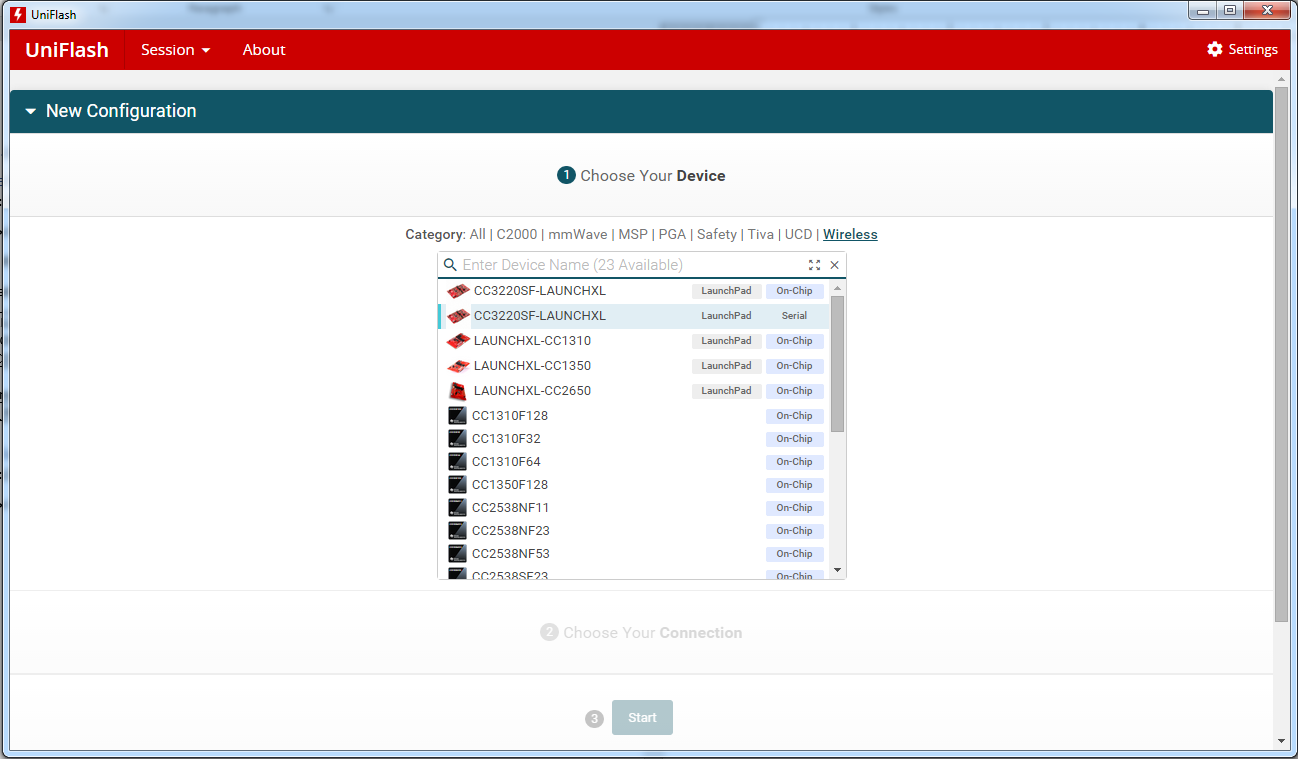
#Convert from .out to .in

/home/phung/ti/ccs7/utils/tiobj2bin/tiobj2bin portable.out portable.in

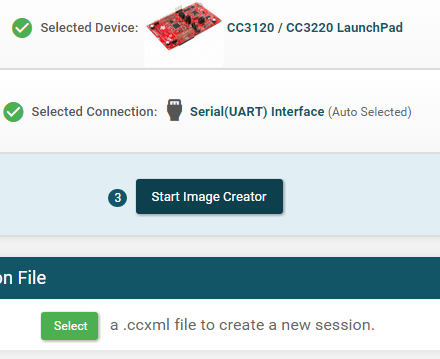
# Flashing (window)

Download and install uniflash 4.x @http://www.ti.com/tool/UNIFLASH

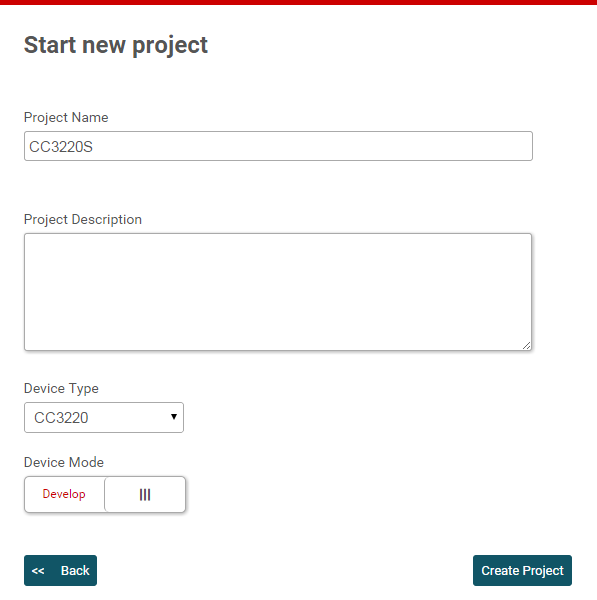
Select CC3220SF-LAUNCHXL as below:



Select “Start Image Create”



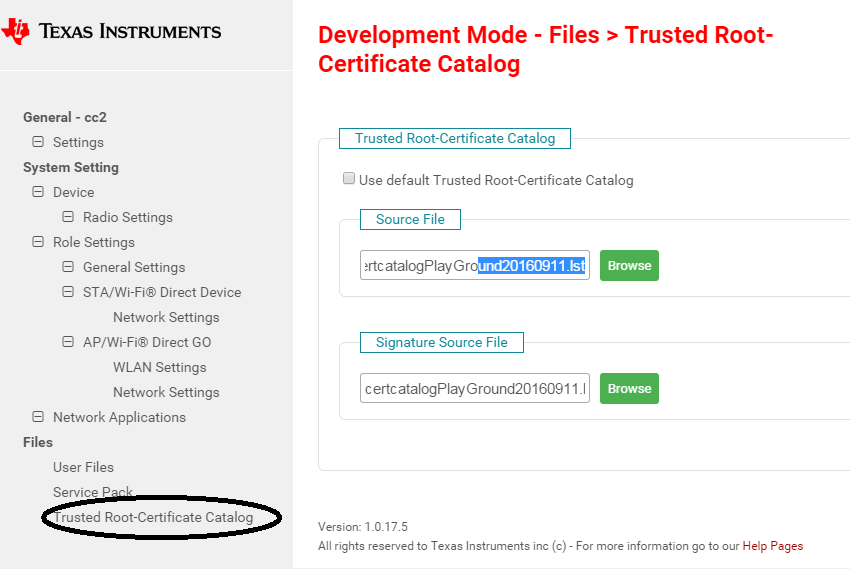
Create new project:



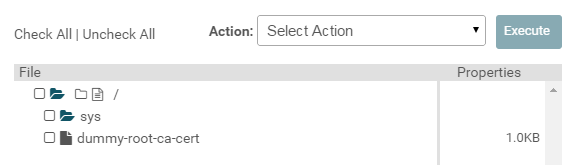
Select playground key (for development only, not for production)

TI\simplelink\_cc32xx\_sdk\_1\_30\_01\_03\tools\cc32xx\_tools\certificate-playground

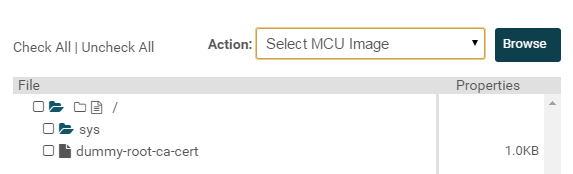
certcatalogPlayGround20160911.lst then certcatalogPlayGround20160911.lst.signed.bin



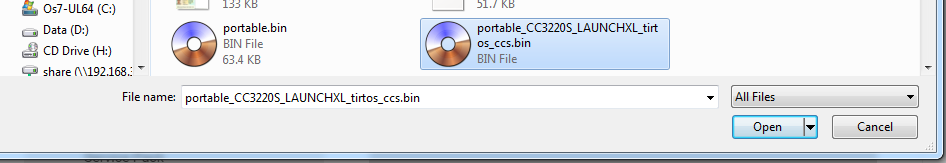
Upload dummy-root-ca-cert



Add application image

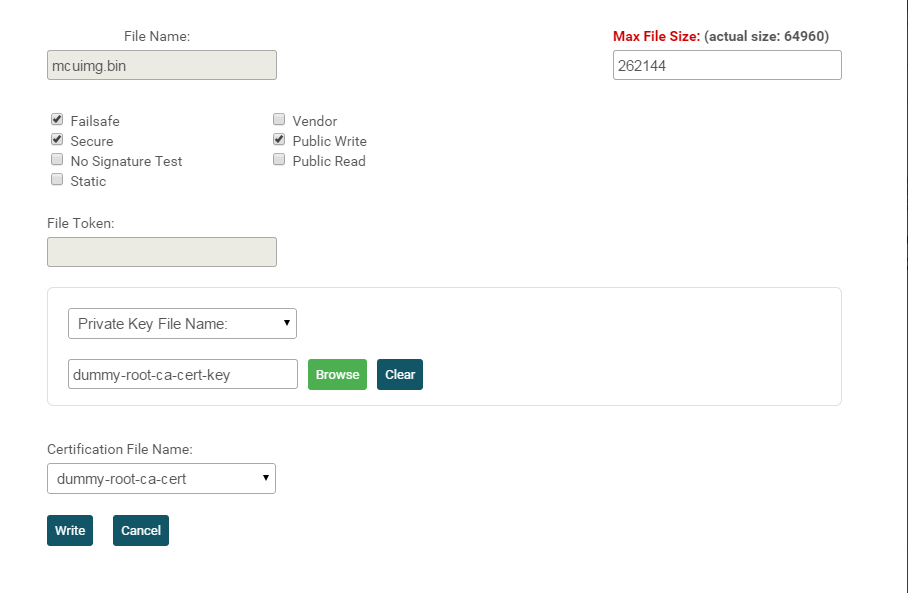


Select binary as MCU Image

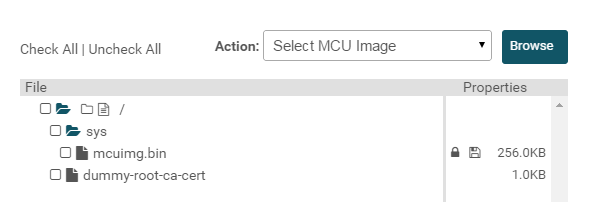


Browse dummy-root-ca-cert-key

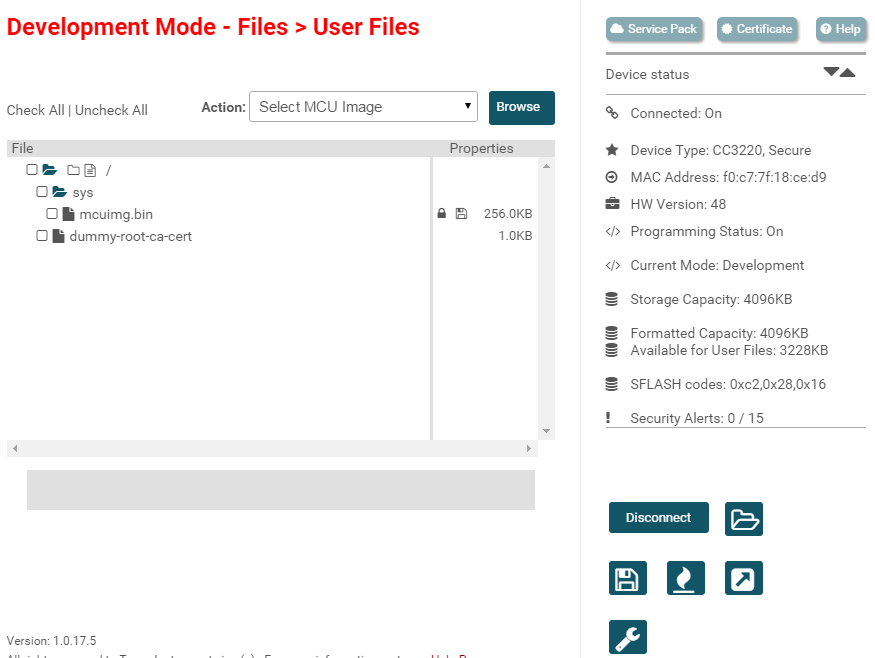
In box “Certification File Name”, select the pre-uploaded file



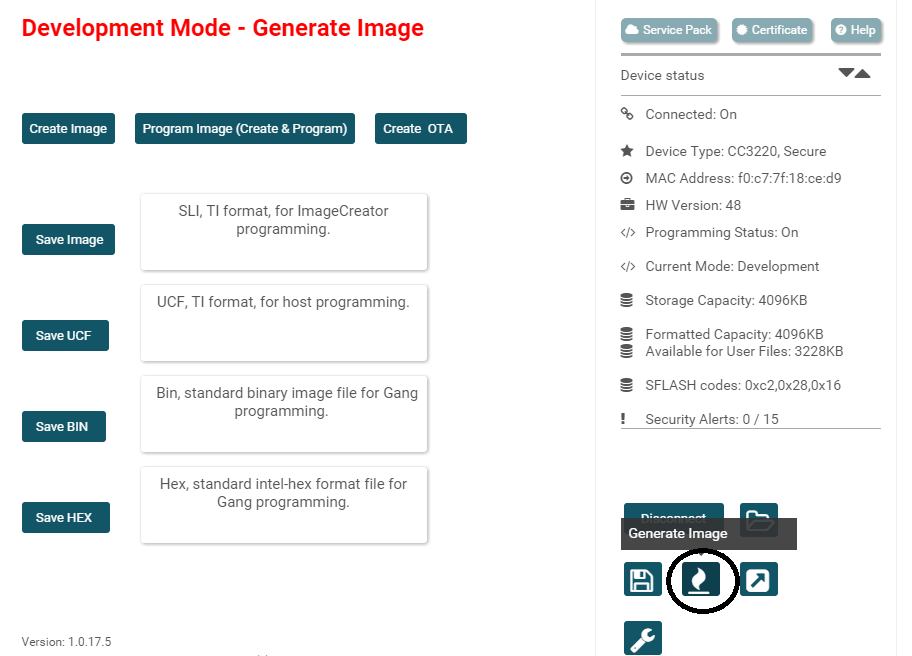
Write file:



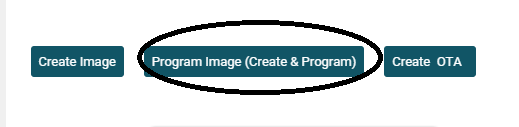
Connect to device

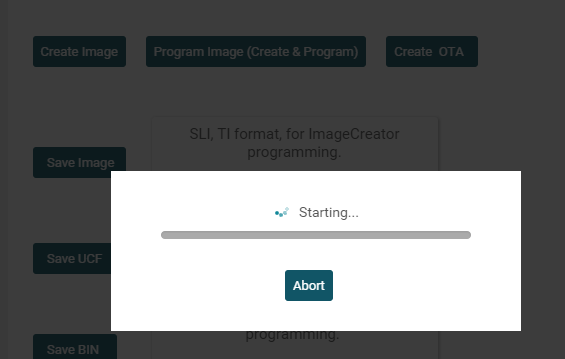


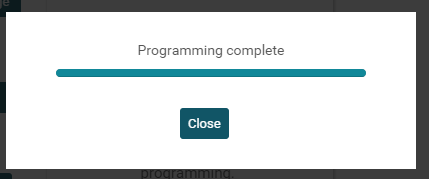
Generate image:



Program image (SOP pin setting 010)







View log in Uart

