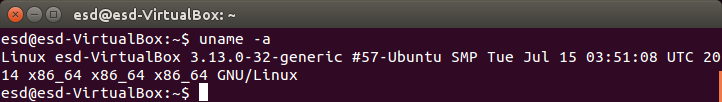
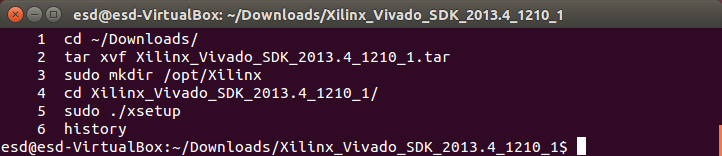
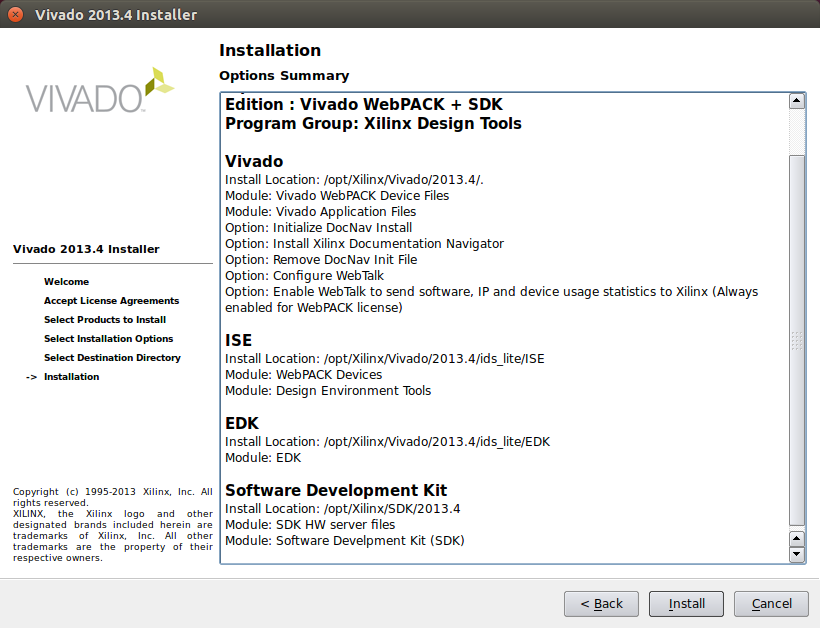
**LAB 1.1 : Platform Setup & Development Enviroment**



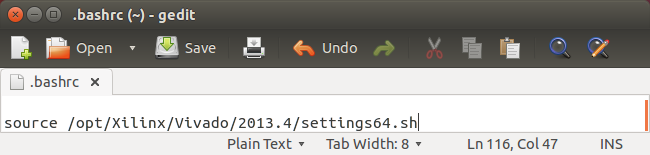
⦁ Vivado Design Suit 2013.4

- install

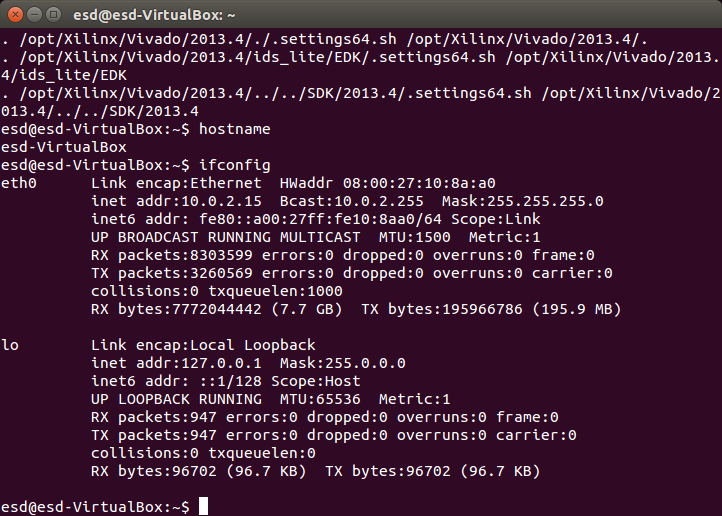


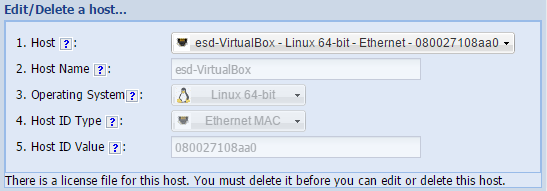


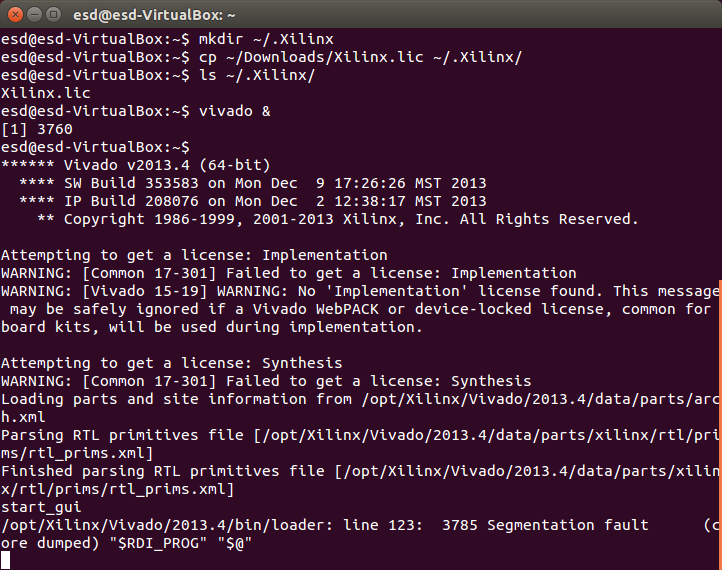
- source



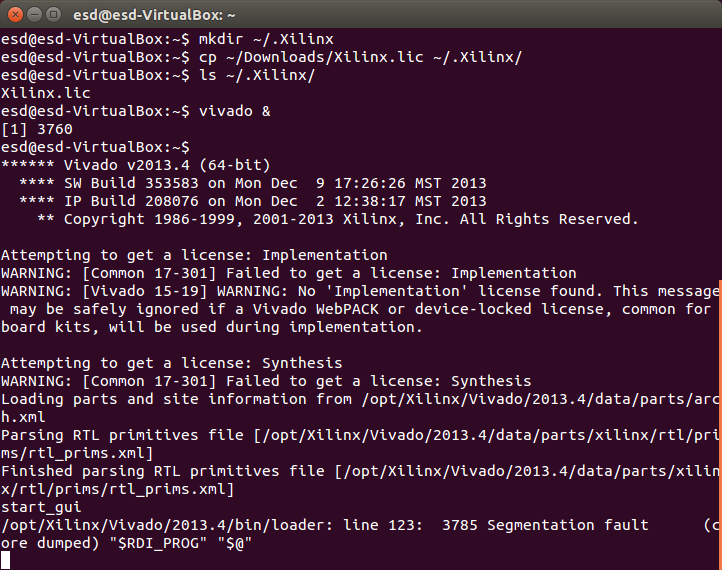
- license



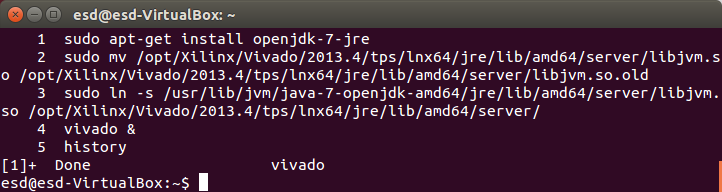




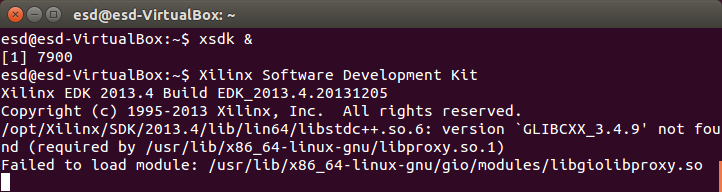
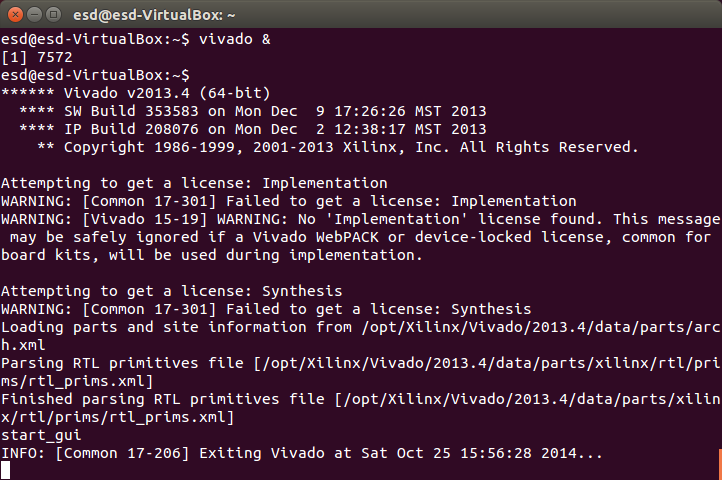
- vivado segmentation fault



- - openjdk setup

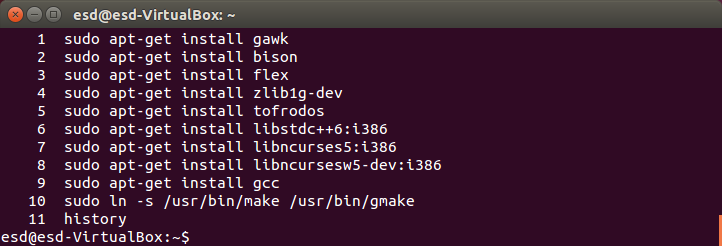


- finish

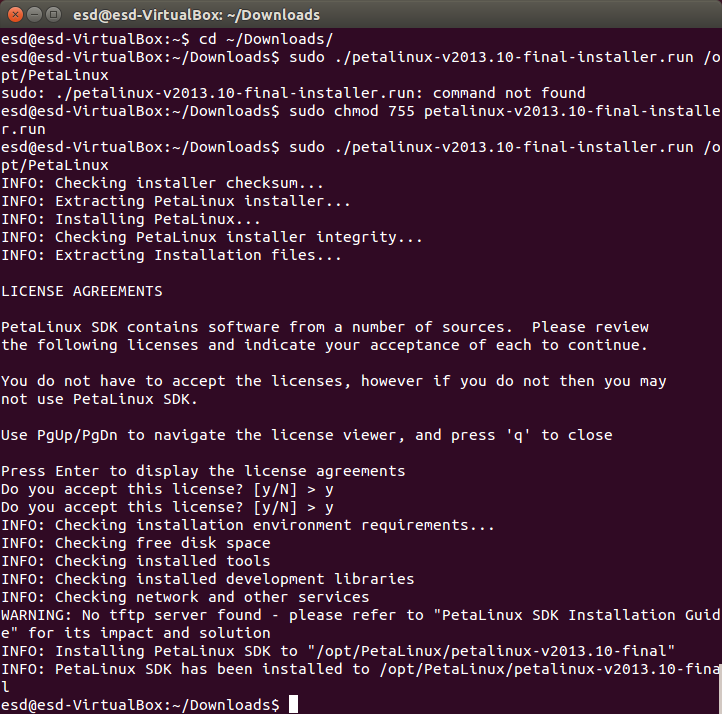


⦁ PetaLinux 2013.10

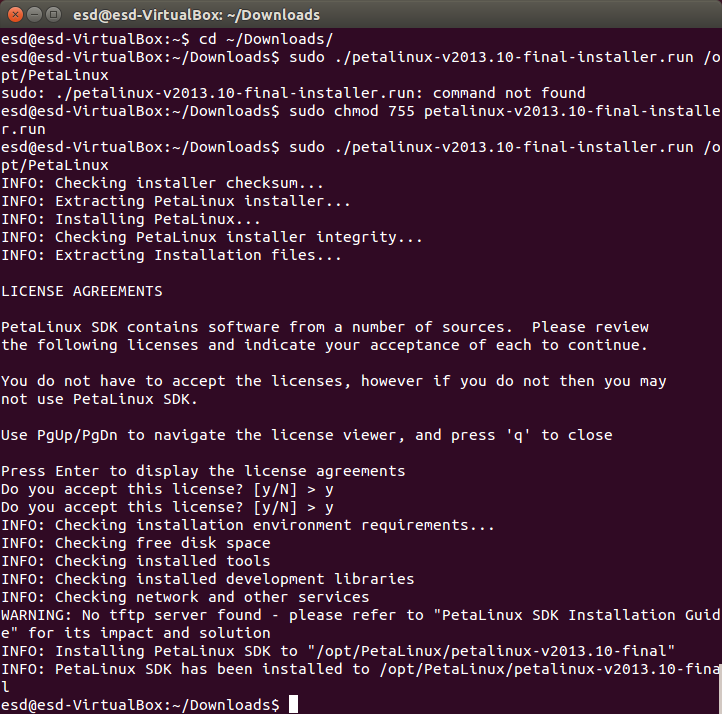
- requirment



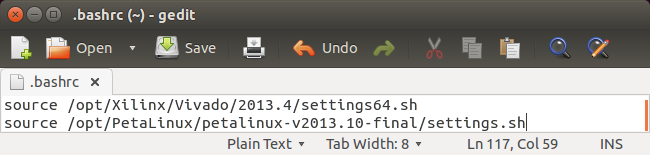
- sudo .run file failed



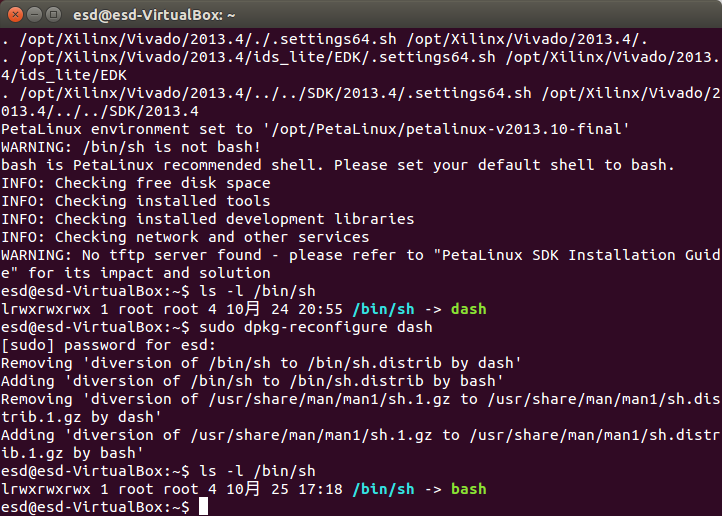
- - chmod .run file



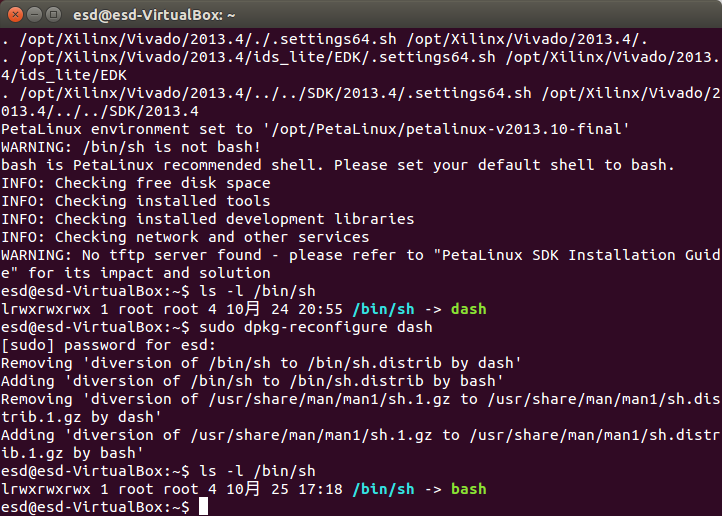
- source

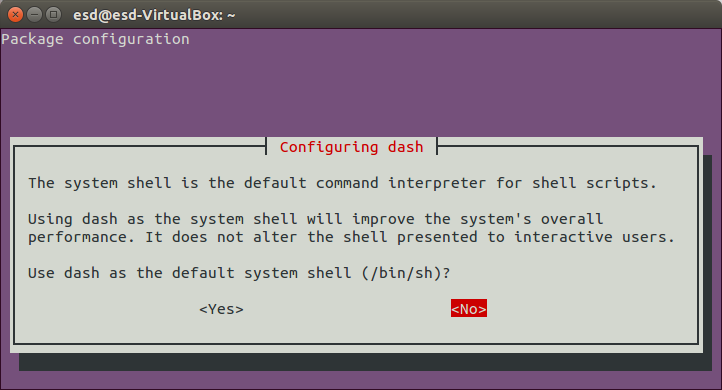


- petalinux warning : bash is petalinux recommanded shell

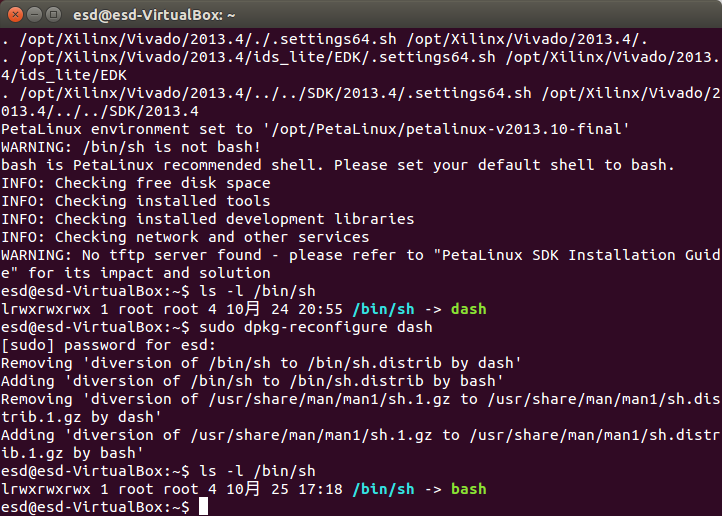


- - reconfigure shell from dash to bash

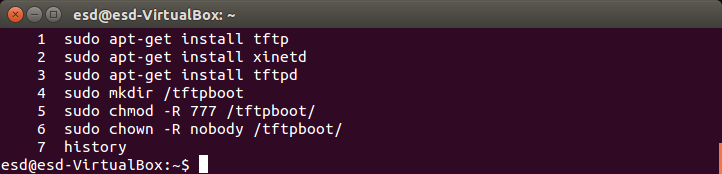


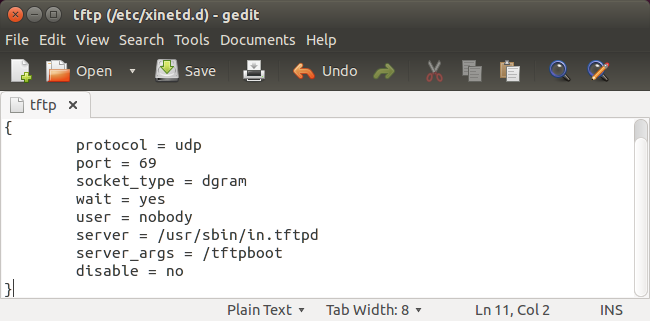


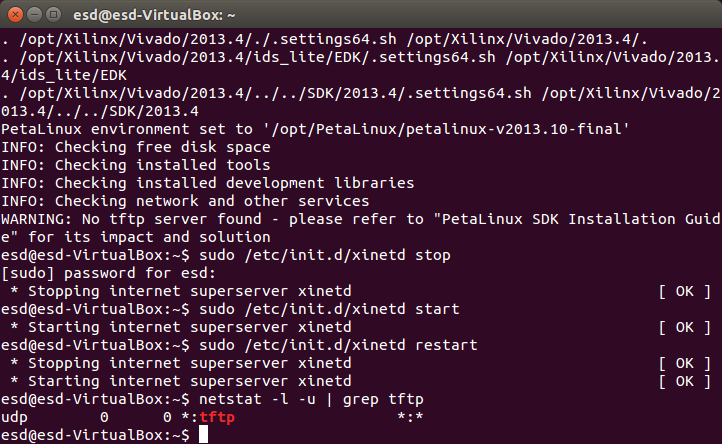
- petalinux warning : no tftp server found



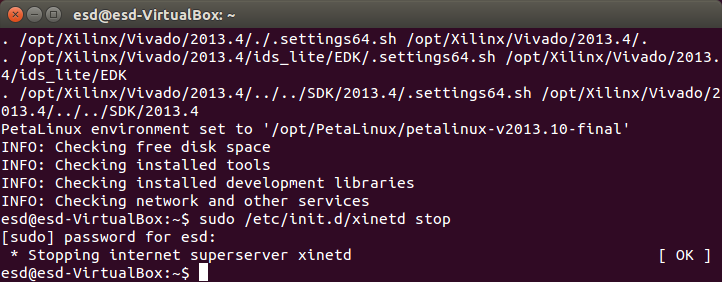
- - tftp server setup





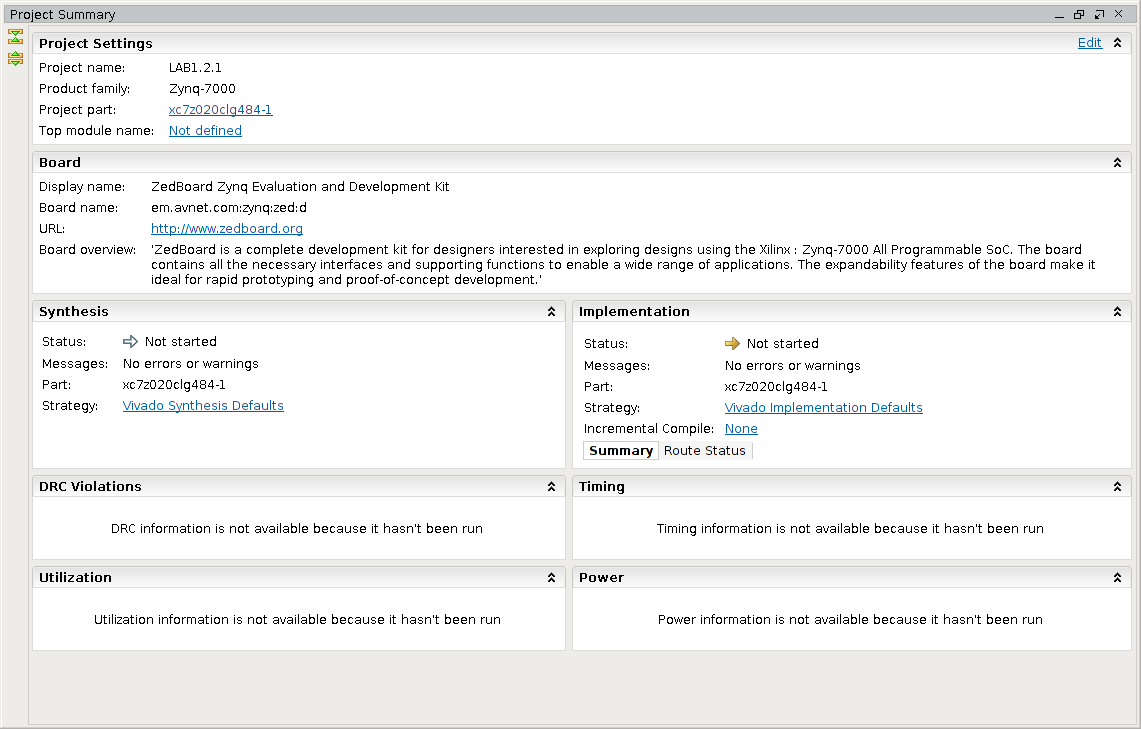


- finish

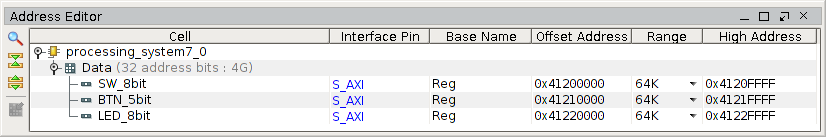


**LAB 1.2.1 : Bare-metal Design**

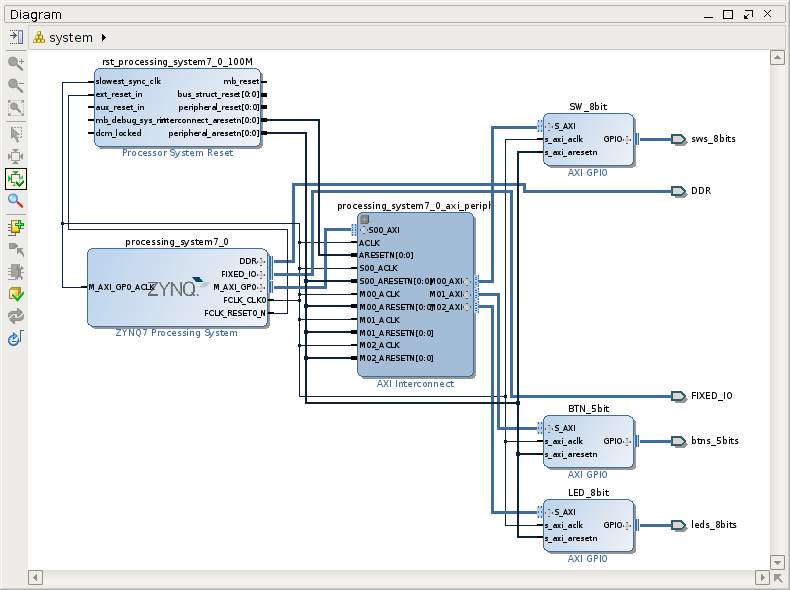
⦁ Vivado Project

****

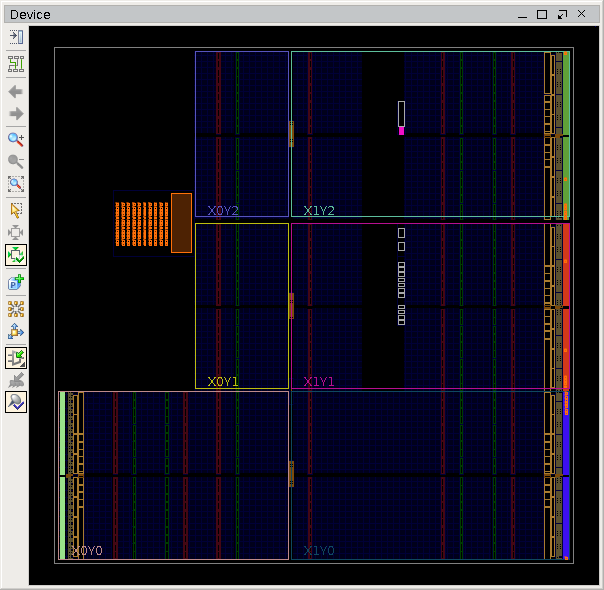
- address editor

****

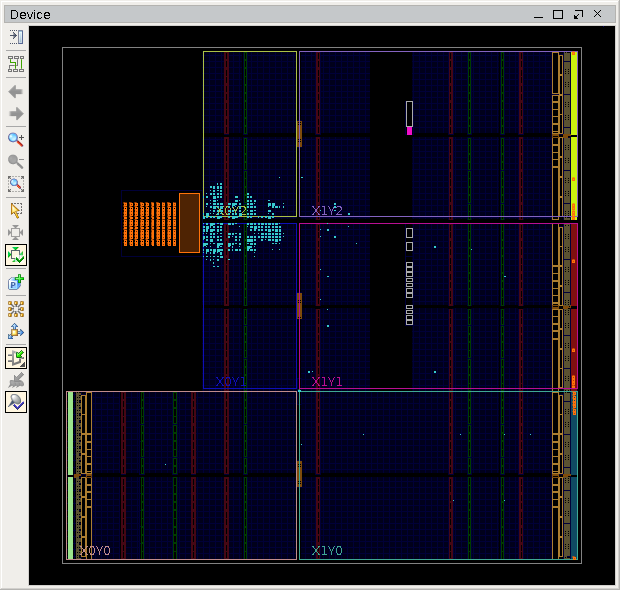
- block design



- synthesized design



- implemeted design



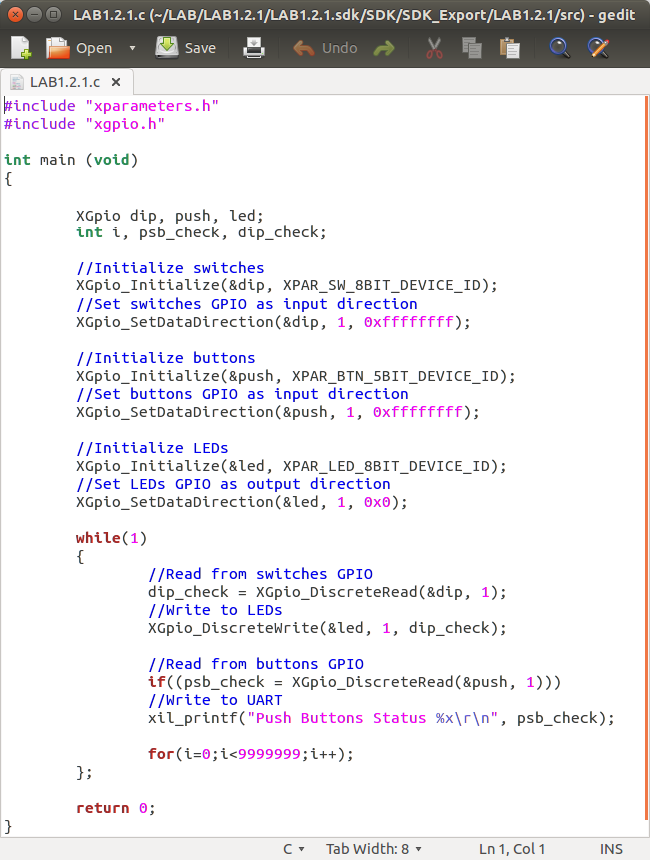
- export hardware for SDK error

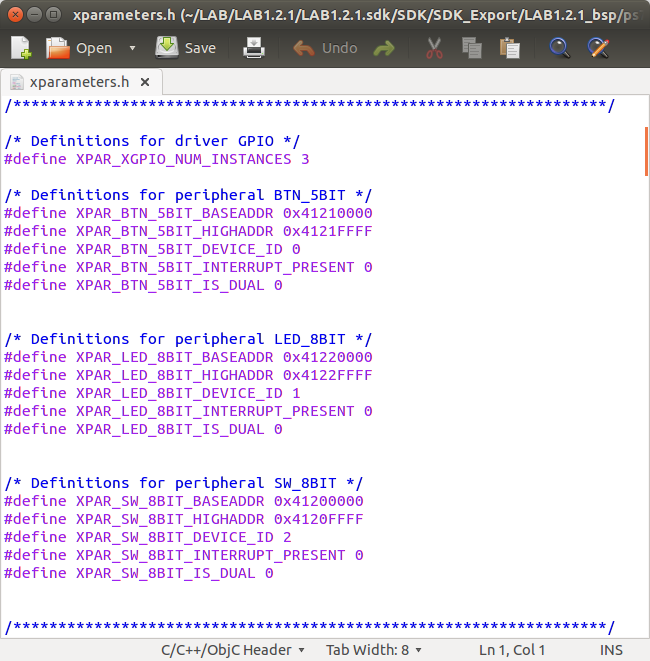


- - generate bitstream and open block design

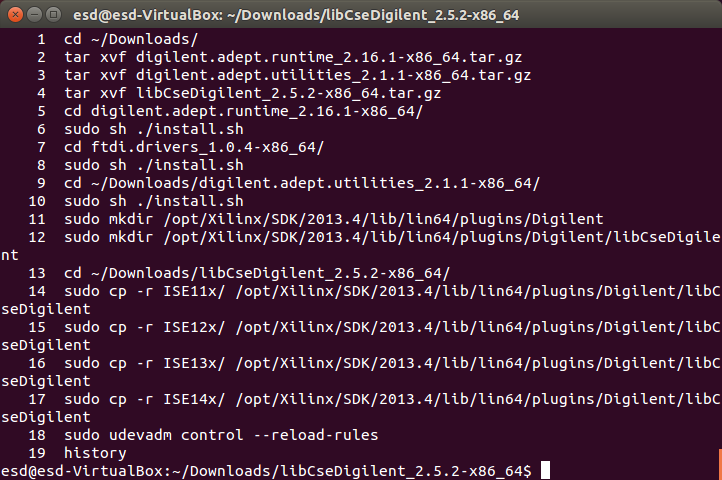
⦁ XSDK Project

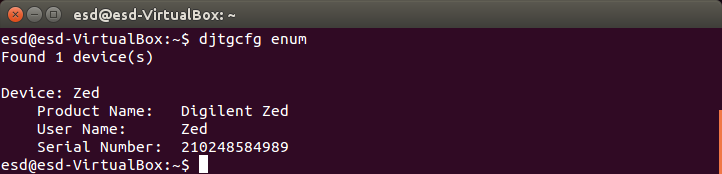
- application project



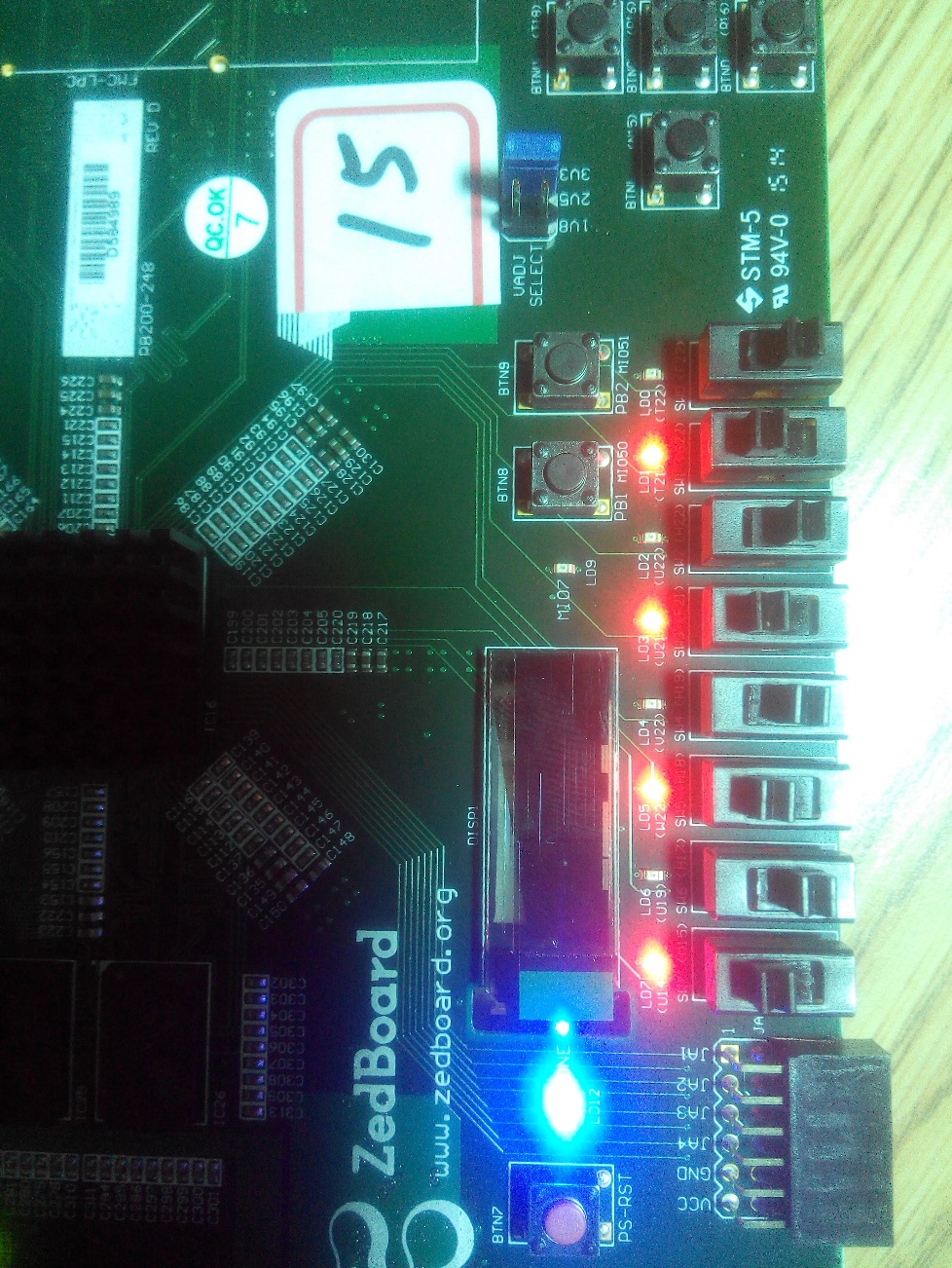


- UART driver setup



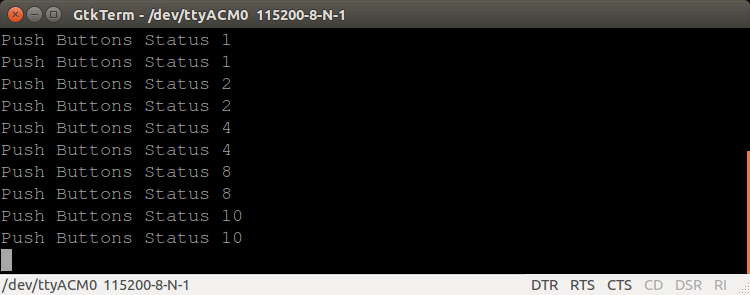


⦁ switch-led test



⦁ botton-uart test

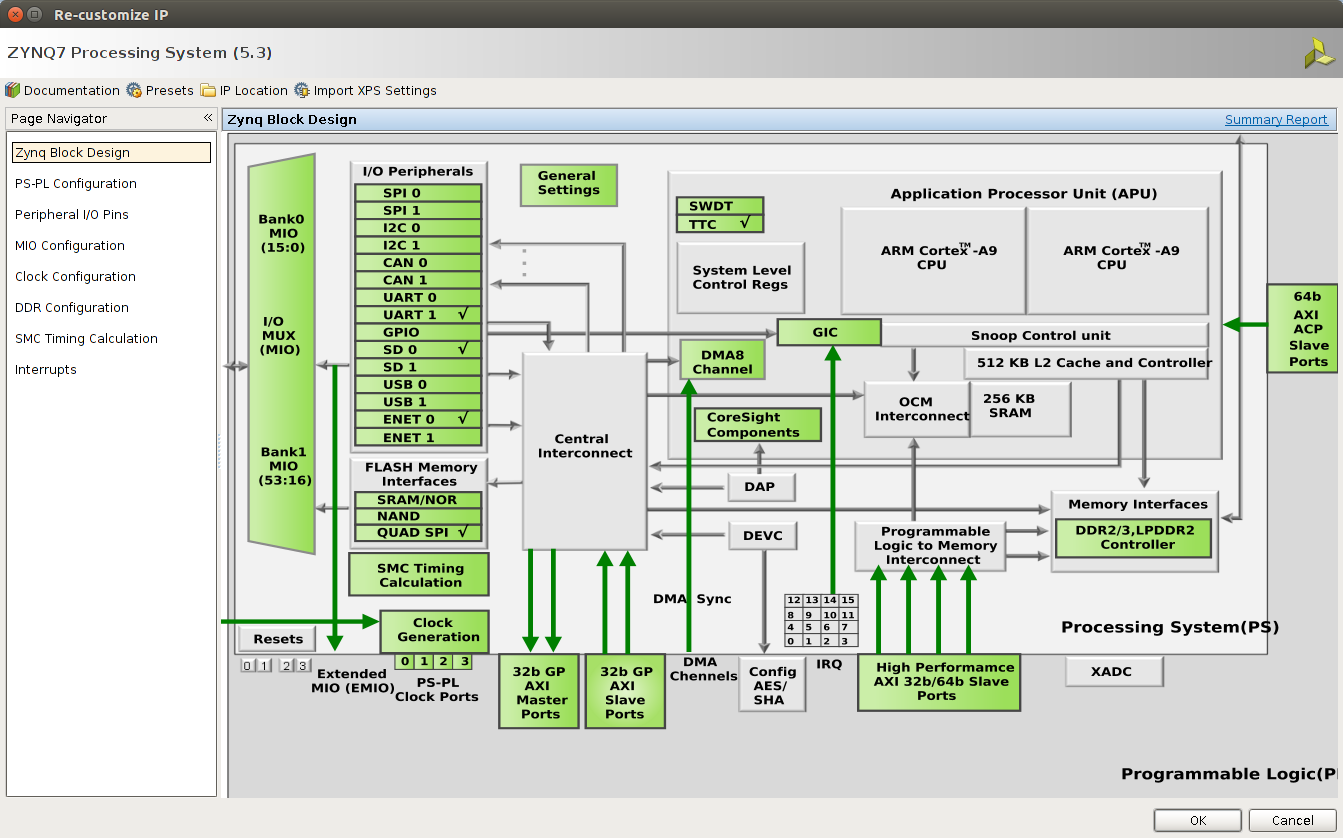




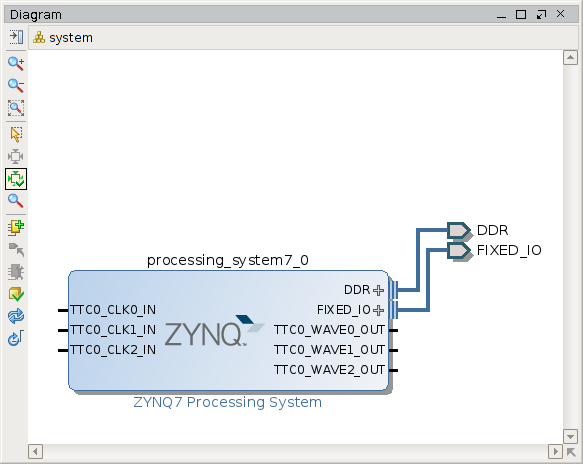
**LAB 1.2.2 : Hello World Program on Basic PetaLinux**

⦁ Vivado Project

- ZYNQ7 processing system IP

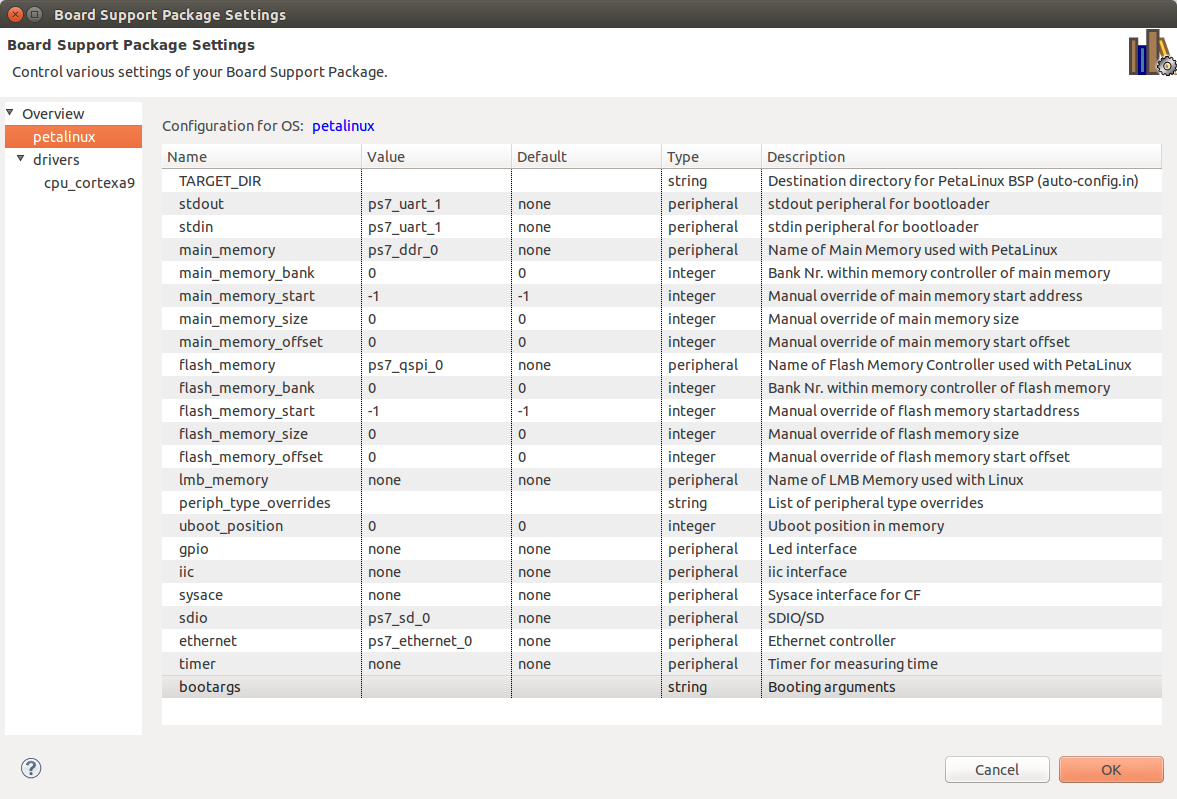


- block design

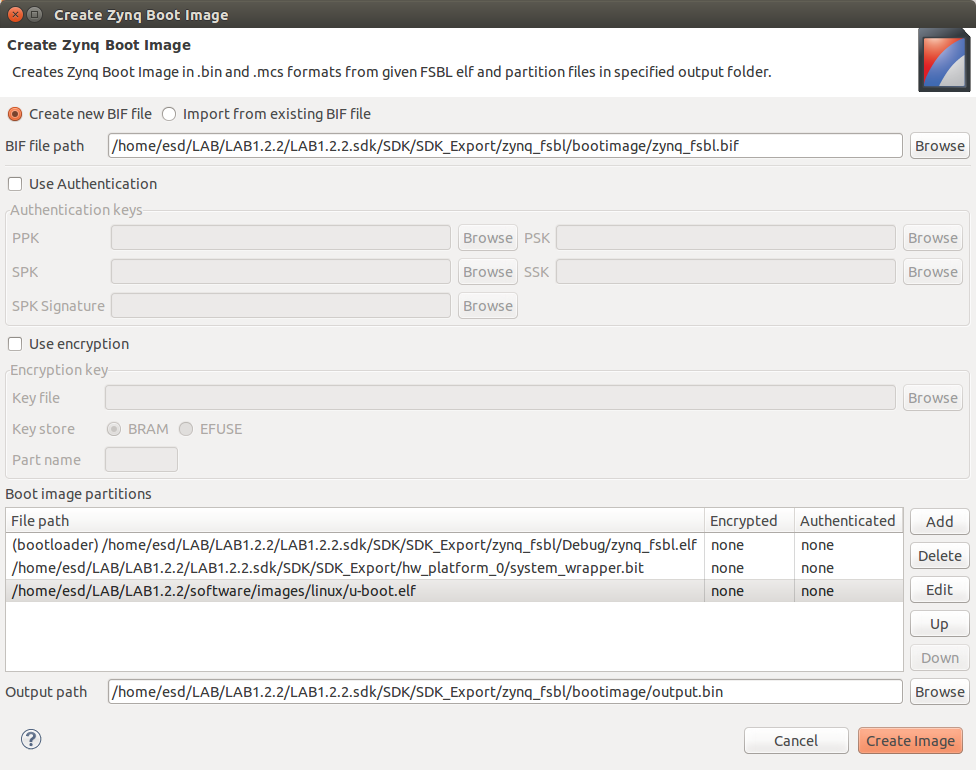


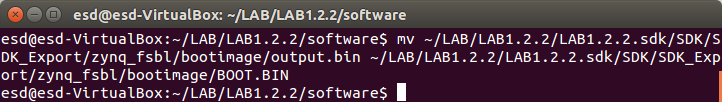
⦁ XSDK Project

- board support package



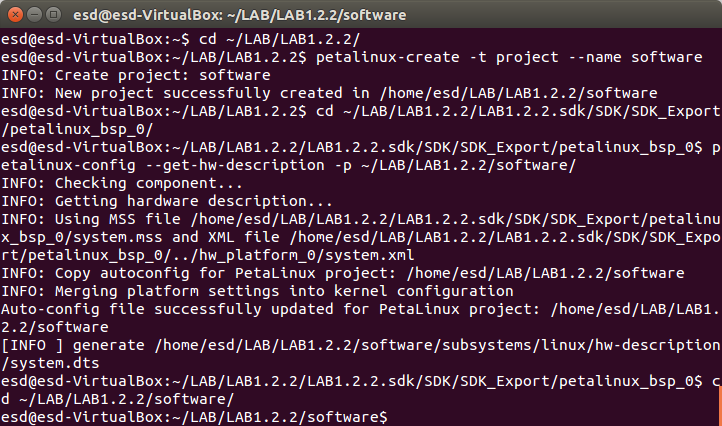
- boot image (after petalinux-build u-boot.elf)



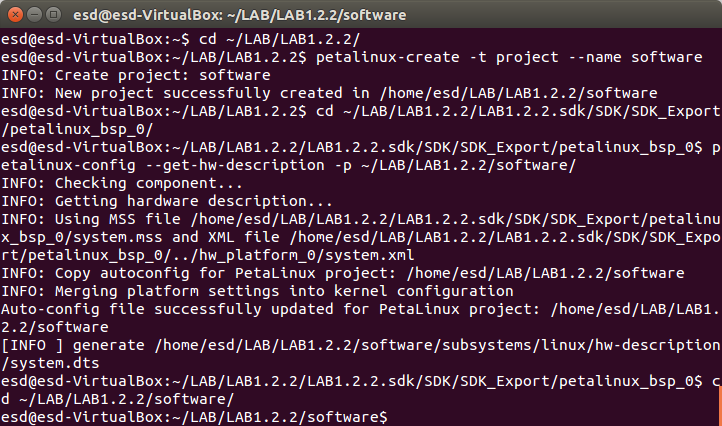


⦁ PetaLinux Project

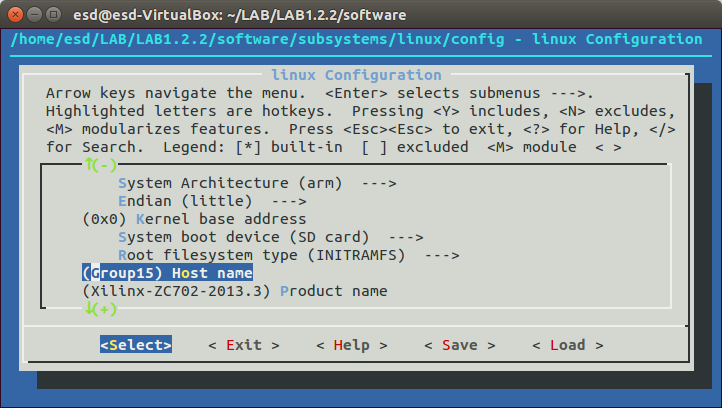
- create project



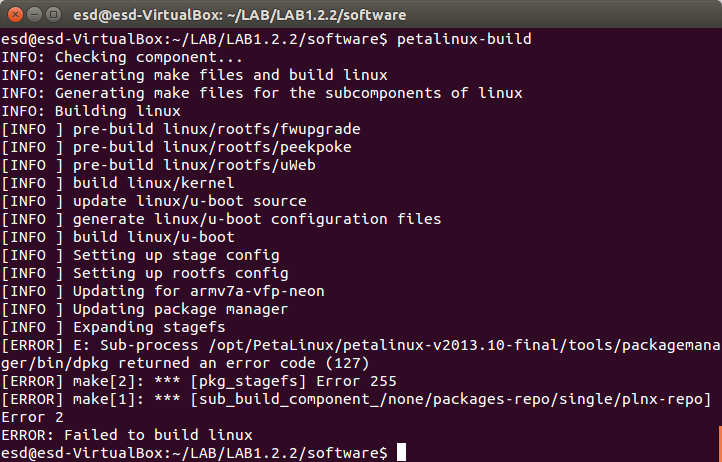
- hardware description



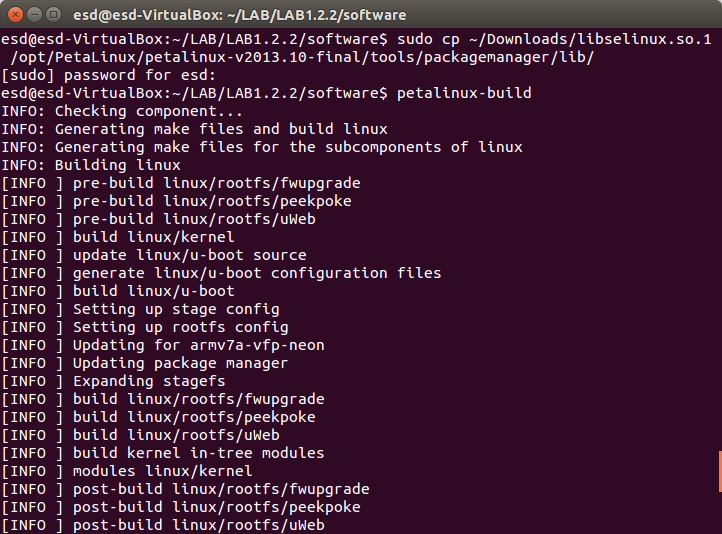
- configuration

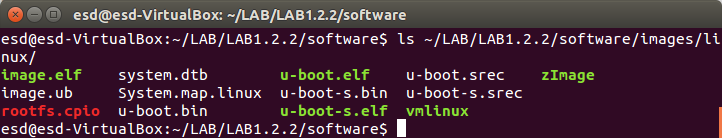


- petalinux-build error

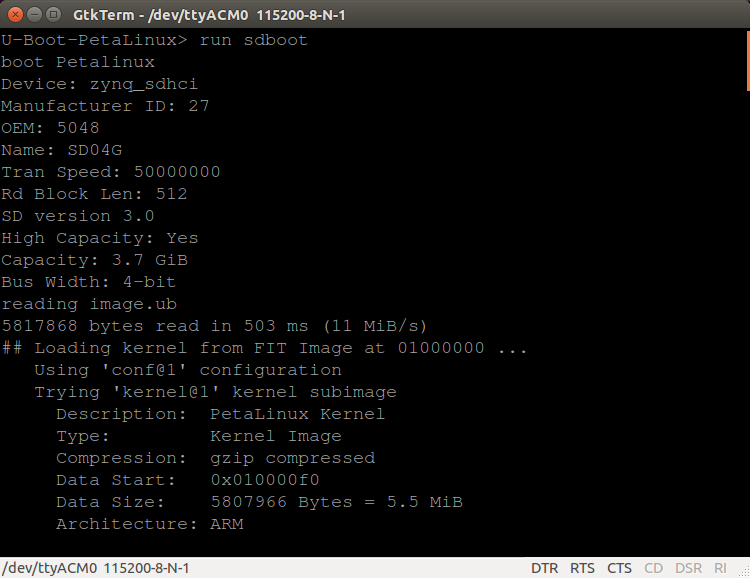


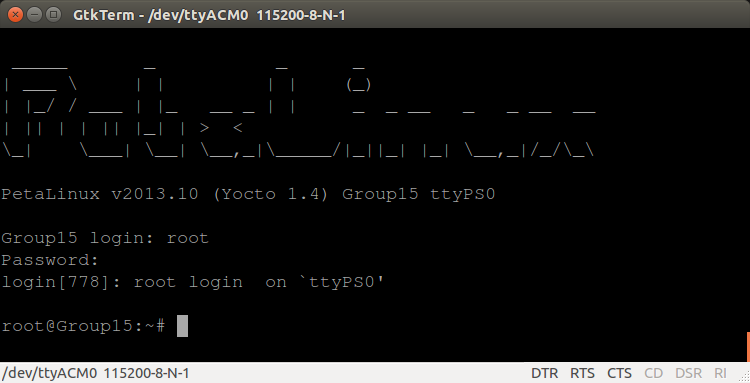
- - restore shared library libselinux.so





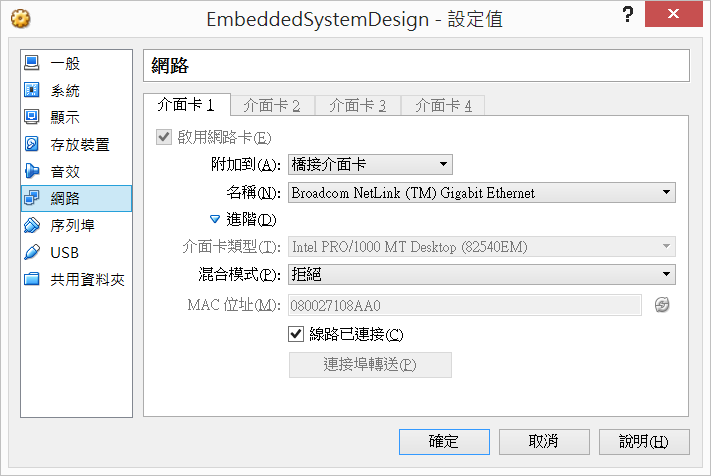
⦁ boot



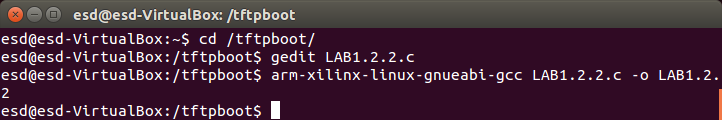


⦁ hello world program

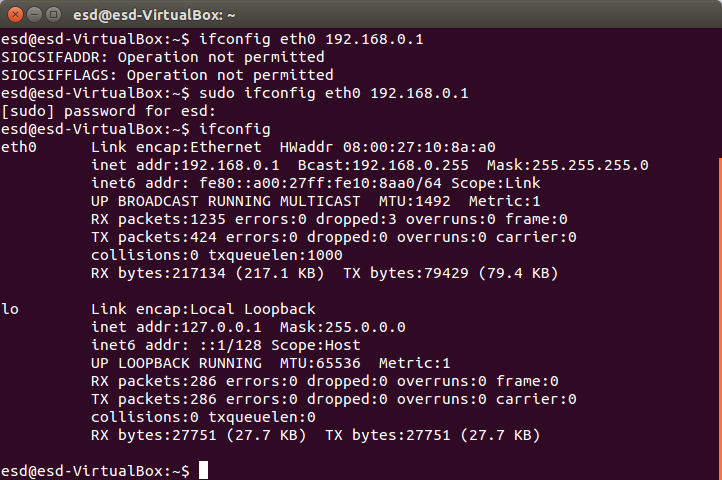
- vm network setting



- cross compile



- host



- target

