1. Prepare host Linux machine.

sudo apt-get install phablet-tools

sudo add-apt-repository universe

sudo apt-get update

sudo apt-get install git python

sudo apt-get install build-essential realpath libxml2-utils python-tempita

sudo apt-get install gcc-multilib ccache ncurses-dev

sudo apt-get install python-software-properties

sudo apt-get install gcc-arm-linux-gnueabi

sudo apt-get install qemu-system-arm qemu-system-x86

1. Create example project.

mkdir sel4DWRC

cd sel4DWRC

repo init -u <https://github.com/dornerworks/gdbstub-app-manifest.git>

repo sync

1. Change optimization settings.

make zynq7000\_hello-2\_defconfig

make menuconfig

1. Go to “Toolchain Options”, “User compiler optimisation flag”, and select ‘-O1’.
2. Exit, Exit, Yes to save.
3. Build application convert .elf to binary.

make

arm-linux-gnueabi-objcopy -O binary images/hello-2-image-arm-zynq7000 ~/tftp/sel4\_image.bin