TRUSTZONE

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step 1:visit https://github.com/OP-TEE/build

step 2:Get and build the solutions

step1:->Prerequisites:

->sudo apt-get install android-tools-adb android-tools-fastboot autoconf \

automake bc bison build-essential cscope curl device-tree-compiler \

expect flex ftp-upload gdisk iasl libattr1-dev libc6:i386 libcap-dev \

libfdt-dev libftdi-dev libglib2.0-dev libhidapi-dev libncurses5-dev \

libpixman-1-dev libssl-dev libstdc++6:i386 libtool libz1:i386 make \

mtools netcat python-crypto python-serial python-wand unzip uuid-dev \

xdg-utils xterm xz-utils zlib1g-dev

step2: ->mkdir -p $HOME/devel/optee

->cd $HOME/devel/optee

->repo init -u https://github.com/OP-TEE/manifest.git -m ${TARGET}.xml [-b ${BRANCH}]

->repo sync

step 3: ->Get the toolchains:

$ cd build

$ make toolchains

step 4: ->Build the solution:

$ make CFG\_TEE\_TA\_MALLOC\_DEBUG=y CFG\_TEE\_TA\_LOG\_LEVEL=3 CFG\_TEE\_CORE\_MALLOC\_DEBUG=y CFG\_TEE\_CORE\_LOG\_LEVEL=3

step 5: ->After build flash img into rpi by using this command

$ make img-help

You will find this kind of processure.

run the following as root

$ mkfs.vfat -F16 -n BOOT /dev/sdx1

$ mkdir -p /media/boot

$ mount /dev/sdx1 /media/boot

$ cd /media

$ gunzip -cd /home/ashwini/ashwini/project/optee/build/../gen\_rootfs/filesystem.cpio.gz | sudo cpio -idmv "boot/\*"

$ umount boot

run the following as root

$ mkfs.ext4 -L rootfs /dev/sdx2

$ mkdir -p /media/rootfs

$ mount /dev/sdx2 /media/rootfs

$ cd rootfs

$ gunzip -cd /home/ashwini/ashwini/project/optee/build/../gen\_rootfs/filesystem.cpio.gz | sudo cpio -idmv

$ rm -rf /media/rootfs/boot/\*

$ cd .. && umount rootfs

step 6:place your sd card into sdcard slot and power on rpi3.

step 7:After board bring up run your ./optee\_example\_hello in /usr/bin

step 8:We can find the logs.