



## Build QT5 remote-debug environment

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**; b^zC^zs**

**c ; P- ^LC Yb<- Y<b^H' YCS ^ b<zb**

**| 3~S@ - ^@ @CeY%ô b<zb r? V**

2.1	Build full image SDK . . . . .	2
2.2	Deploy SDK . . . . .	2

**{ ; b^"L~qCky VS**

3.1	Setup device . . . . .	2
3.2	Configure QT version . . . . .	3
3.3	Configure gcc and g++ manually . . . . .	4
3.4	Configure gdb manually . . . . .	5
3.5	Configure Kit . . . . .	5
3.6	Very important thing!! . . . . .	5

**J yGsz qCs~ Y**

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v

In this document, we will build a qt5 environment for remote debug. We can deploy file from Ubuntu to our board and debug it using gdb online.

```
c ; P- ^LC Y<- Y<b^H" YC S^ ^ b<zb
```

```
CORE_IMAGE_EXTRA_INSTALL += "openssh openssh-sftp openssh-sftp-server"
EXTRA_IMAGE_FEATURES = "dev-pkgs debug-tweaks tools-debug ssh-server-openssh "
IMAGE_INSTALL_append += "net-tools iputils dhcpd which gzip python python-pip wget cmake \
git gtk+ zlib patchelf nano grep tmux swig tar unzip parted e2fsprogs e2fsprogs-resize2fs \
openssh rsync"
```

```
| 3~S@ - ^@ @CeY%ô b<zb r? V
```

```
{ic 3~S@ HYS - LCr? V
```

You should use below command to build Yocto SDK.

```
bitbake imx-image-full -c populate_sdk
```

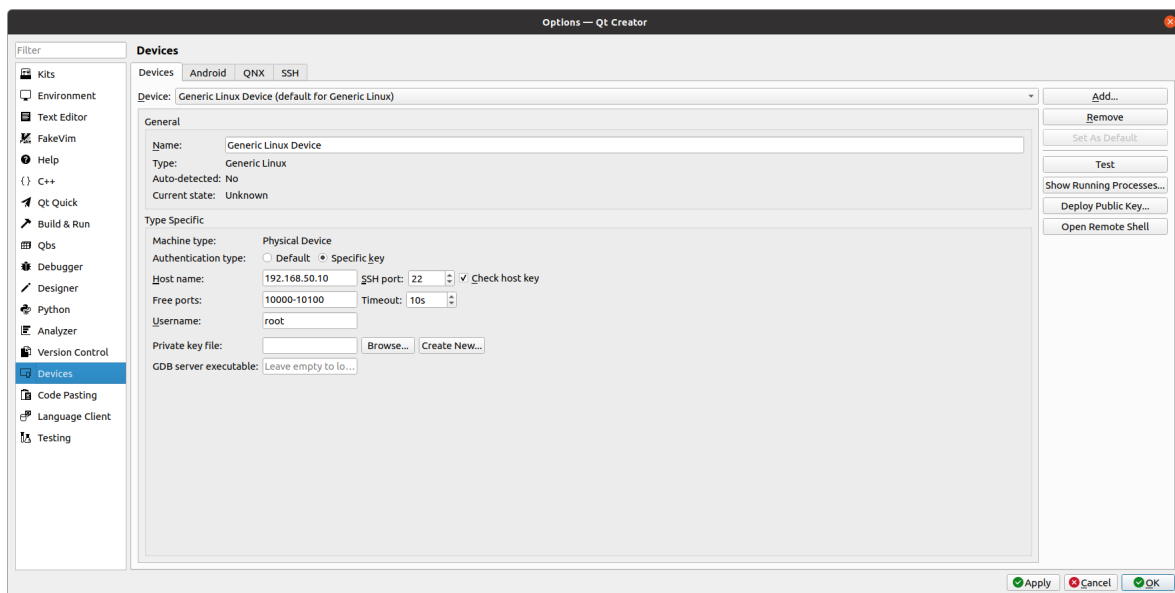
```
|i| ? CeY%r? V
```

You will find SDK installation script in folder tmp/deploy/sdk, please install it.

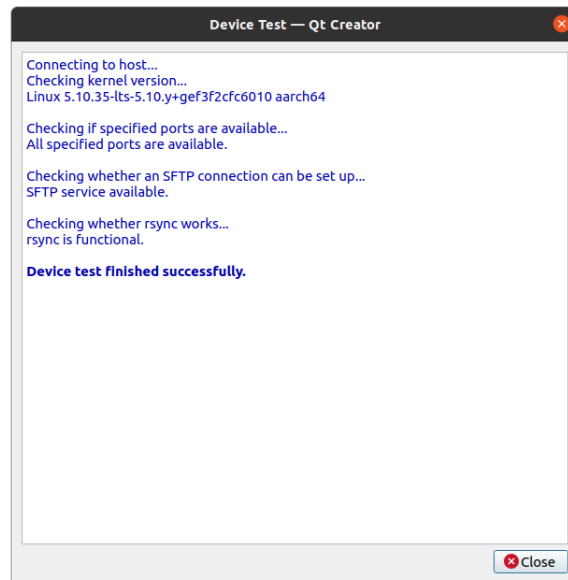
```
{ ; b^" L~qCky VS
```

```
{ic rC~e @CfSC
```

Set correct ip address of your board.

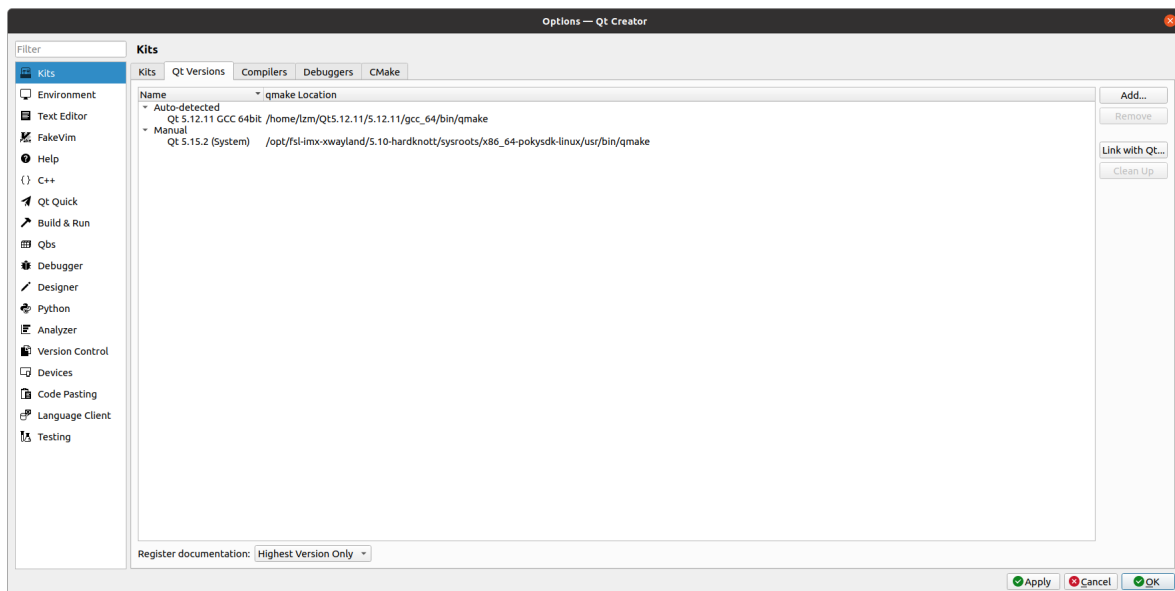


You can click test button to make sure that qt can connect your board. Here is test result:

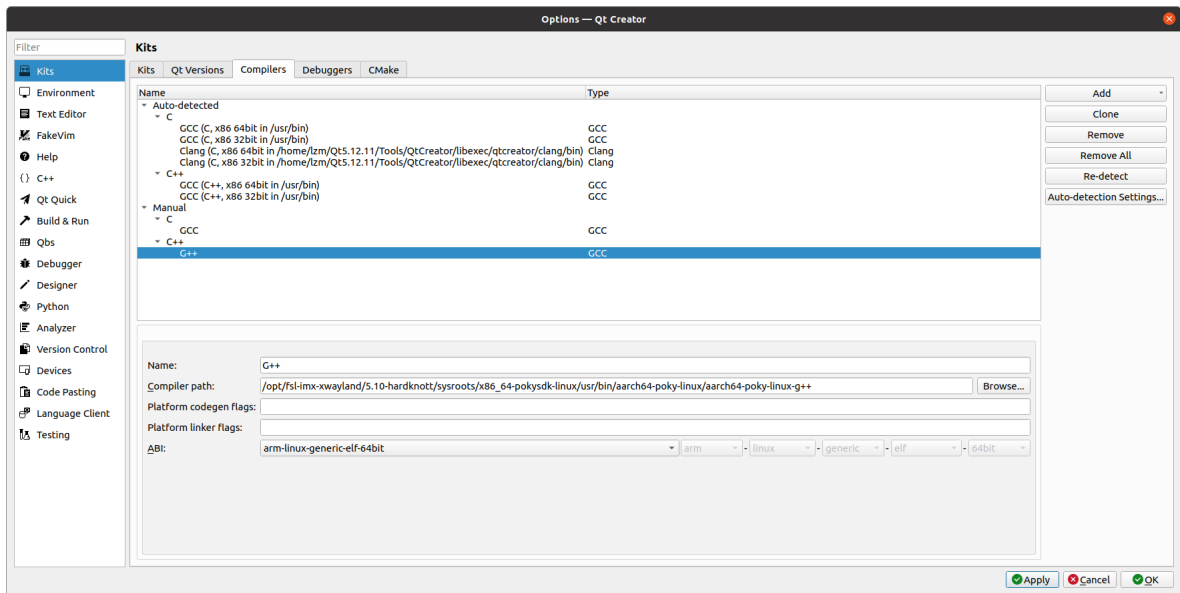
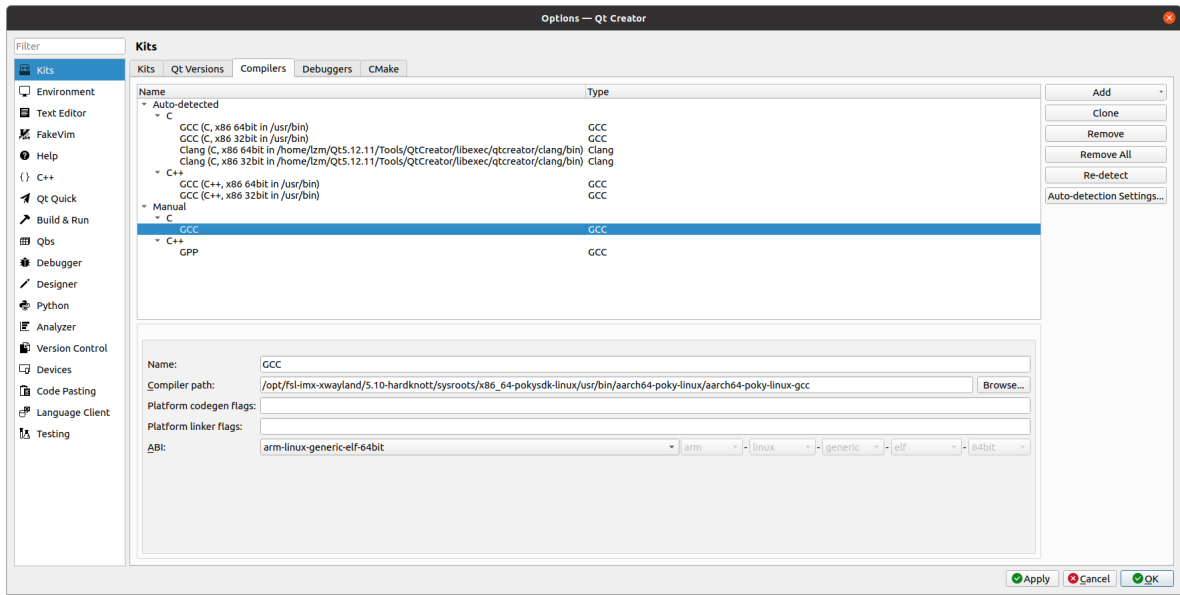


{i| ; b^”L~cK y fCqSb^

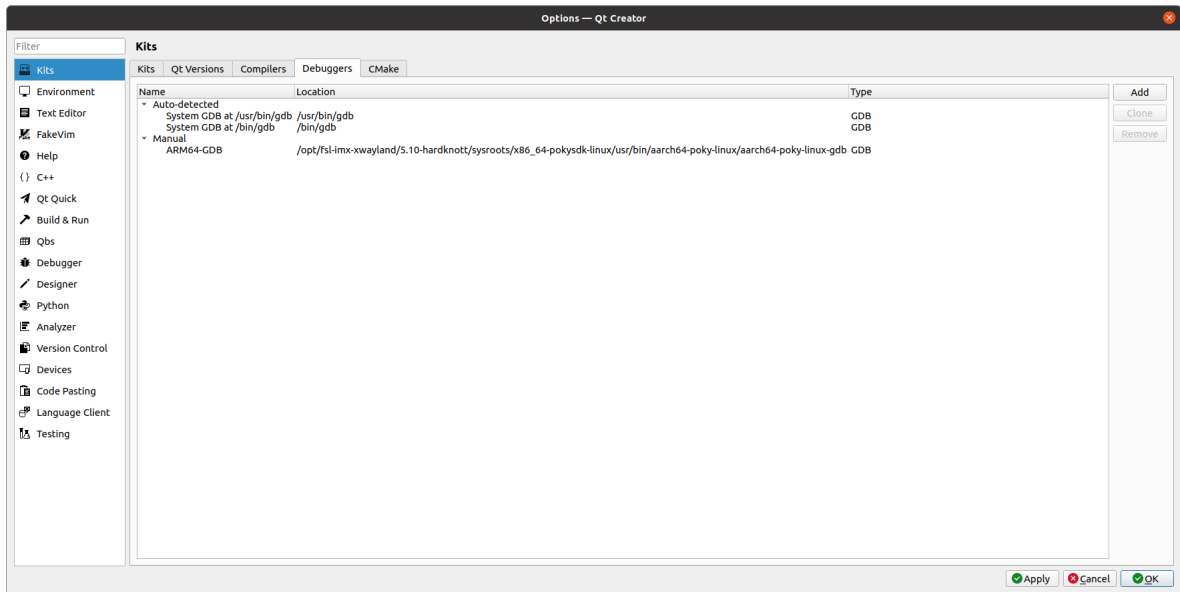
Add correct I\ - W in our SDK roots manually.



{i{ ; b^”L~qCL<< - ^@Lj j \ - ^~- Y%oo

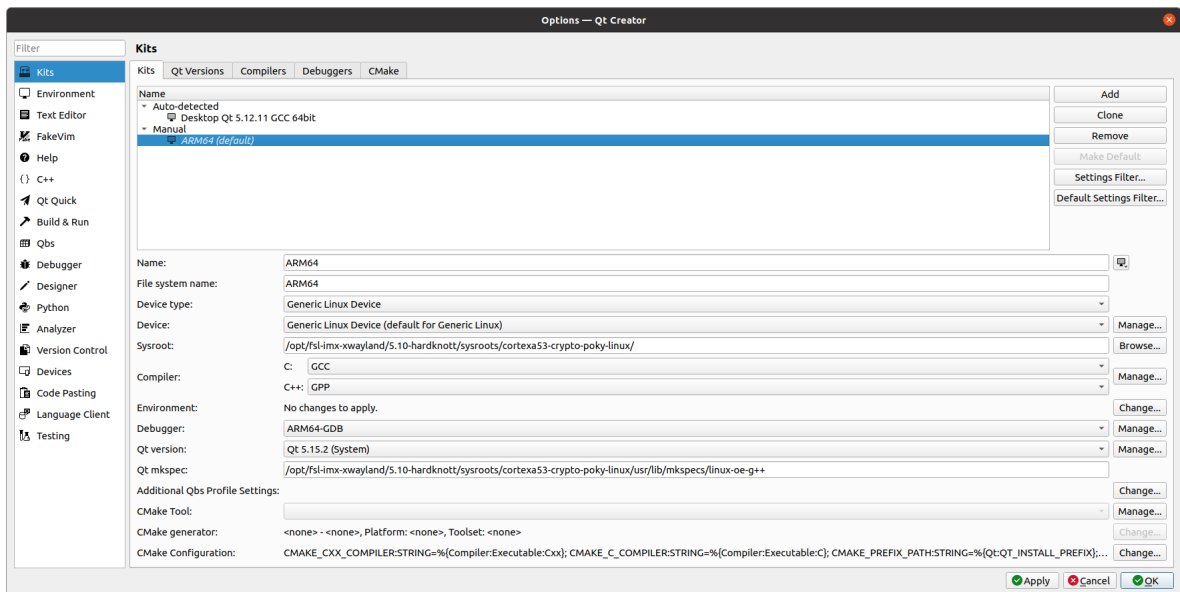


{iJ ; b^”L~qCL@4 \ - ^~- Y%oo



{iI ; b^”L~qCV&

Now we can add a new kit of our board.



{iv , Cq%δ ebqz- ^z zPS`LF

You must add follow below picture to add ; b\ \ - ^@ S^C- qL~ \ C^zs-QY zHbq\ ... %δ ^@

