

QT / build QT development enviroment

- QT
- Qt
- qt
- Qt

AM335XBSPPD16.2.0,I.MX6/I.MX6ULBSPPD16.1.0,

SDK

[yoctoSDKSDK](#) / [yocto how to build SDK and how to use them](#)

 , root

QT

	BSP		QT
AM65x	ALPHA4	<input checked="" type="checkbox"/>	
AM57x	PD18.1.0	<input type="checkbox"/>	5.7
AM57x	PD18.2.0	<input type="checkbox"/>	5.7
AM57x	PD19.1.1	<input type="checkbox"/>	
AM57x	PD20.1.2	<input checked="" type="checkbox"/>	5.11
AM335x	PD16.2.0	<input type="checkbox"/>	5.6
AM335x	PD17.1.3	<input checked="" type="checkbox"/>	5.7
AM335x	PD17.2.0	<input type="checkbox"/>	5.8
AM335x	PD17.2.1	<input type="checkbox"/>	5.8
AM335x	PD17.2.2	<input type="checkbox"/>	5.8
AM335x	PD19.1.0	<input type="checkbox"/>	5.10
AM335x	PD19.1.1	<input checked="" type="checkbox"/>	5.10
i.MX6	Mira HTML5 v1.0	<input checked="" type="checkbox"/>	

i.MX6	PD15.3.0	<input type="checkbox"/>	
i.MX6	PD15.3.1	<input type="checkbox"/>	
i.MX6	PD16.1.0	<input type="checkbox"/>	5.6
i.MX6	PD16.1.1	<input type="checkbox"/>	5.6
i.MX6	PD16.1.2	<input type="checkbox"/>	5.6
i.MX6	PD18.1.0	<input type="checkbox"/>	5.9
i.MX6	PD18.1.1	<input type="checkbox"/>	5.9
i.MX6	PD18.1.2	<input type="checkbox"/>	5.9
i.MX6	PD20.1.0	<input type="checkbox"/>	5.12
i.MX6	PD21.1.0	<input checked="" type="checkbox"/>	5.15
i.MX6ul	PD17.2.0	<input type="checkbox"/>	5.7
i.MX6ul	PD17.1.2	<input type="checkbox"/>	5.7
i.MX6ul	PD19.1.0	<input type="checkbox"/>	5.10
i.MX6ul	PD19.1.1	<input type="checkbox"/>	5.10
i.MX6ul	PD19.1.2	<input type="checkbox"/>	5.10
i.MX6ul	PD21.1.0	<input type="checkbox"/>	5.14
i.MX6ul	PD22.1.1	<input checked="" type="checkbox"/>	5.15
i.MX7	PD18.1.1	<input type="checkbox"/>	
i.MX7	PD18.2.0	<input type="checkbox"/>	5.8
i.MX7	PD19.1.0	<input checked="" type="checkbox"/>	

i.MX8M	PD19.1.0	<input checked="" type="checkbox"/>	5.10
i.MX8MM	PD20.1.0	<input type="checkbox"/>	5.12
i.MX8MM	PD22.1.1	<input checked="" type="checkbox"/>	5.15
i.MX8MP	ALPHA2	<input type="checkbox"/>	
i.MX8MP	PD21.1.0	<input type="checkbox"/>	5.15
i.MX8MP	PD21.1.1	<input type="checkbox"/>	5.15
i.MX8MP	PD21.1.3	<input type="checkbox"/>	5.15
i.MX8MP	PD22.1.0	<input type="checkbox"/>	5.15
i.MX8MP	PD22.1.1	<input checked="" type="checkbox"/>	5.15
STM32MP1	PD20.1.0	<input checked="" type="checkbox"/>	5.11
RK3288	PD17.1.1	<input type="checkbox"/>	5.7
RK3288	PD17.1.3	<input checked="" type="checkbox"/>	5.7
RK3288	PD-ALPHA2	<input type="checkbox"/>	

qtqt

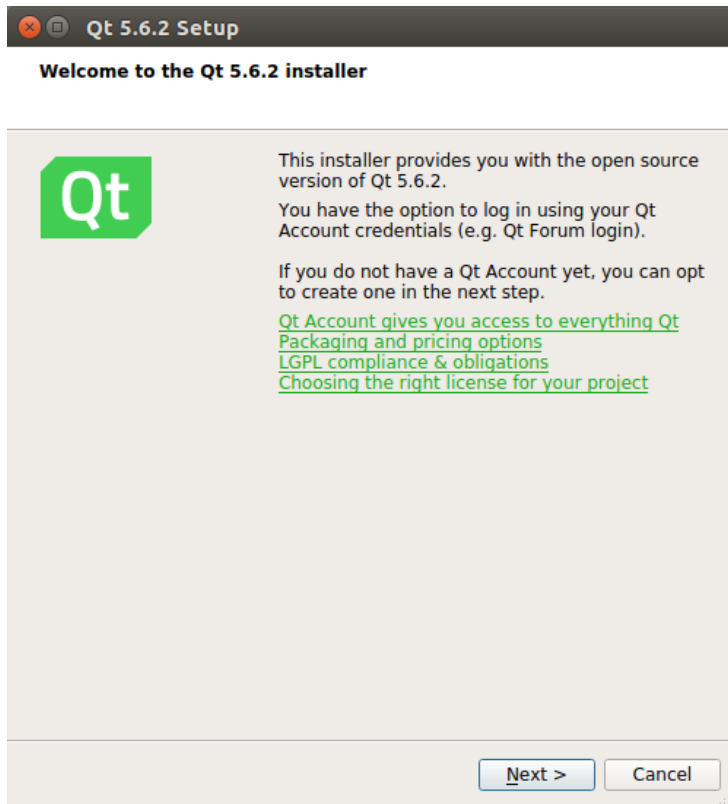
2

```
sudo chmod +x qtopensourcelinuxx645.6.2.run
```

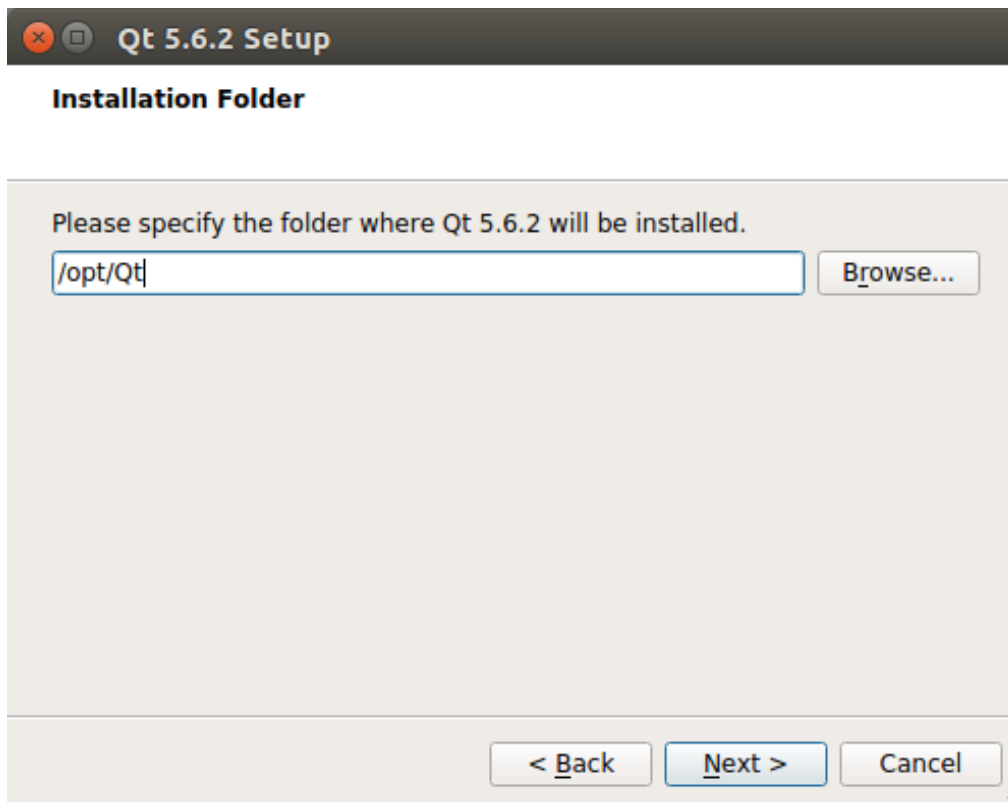
3QtQt

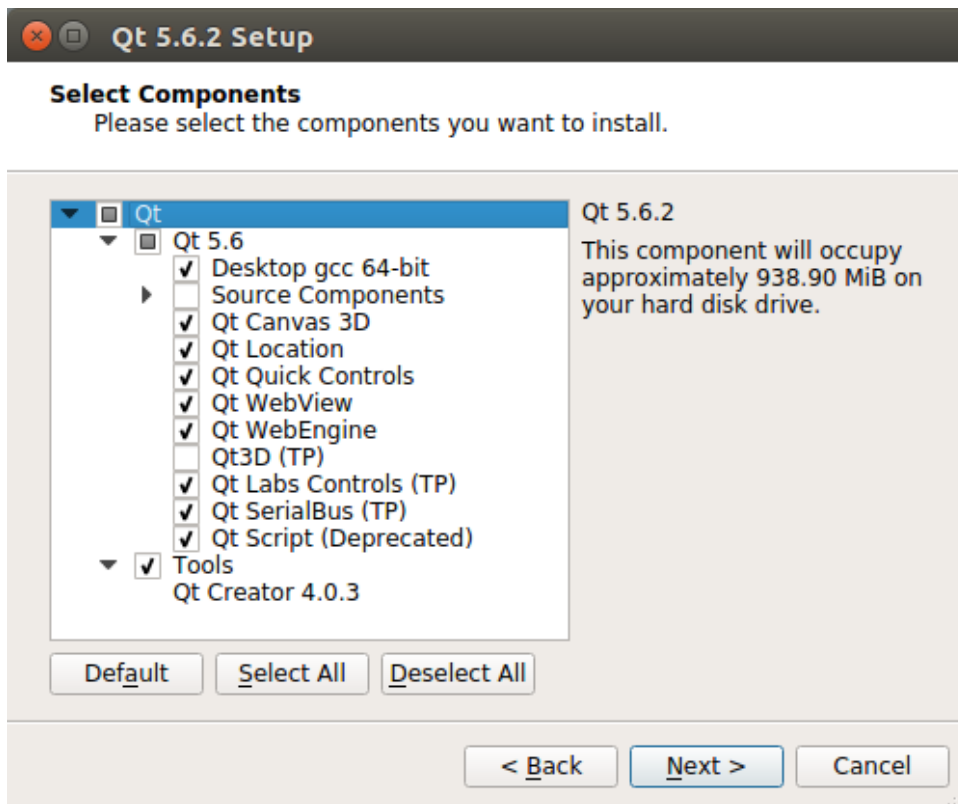
```
./qtopensourcelinuxx645.6.2.run
```

43Qt



Qt/opt/Qt/





Qt

1Qt Creator

```
sudo ln s /opt/Qt/Tools/QtCreator/bin/qtcreator.sh /usr/bin/qtcreator.sh
```

2SDKQtcreator.sh

```
sudo vi /opt/Qt/Tools/QtCreator/bin/qtcreator.sh
```

qtcreator.sh

```
. /opt/phytecyogurt/<YOURCONTROLLER>PD<YOURPDNR>/environmentsetup<YOURARCHITECTURE>vfpneonphyteclinuxgnueabi
```



```

Terminal
./opt/phytec-yogurt/AM335x-PD16.2.0/environment-setup-cortexa8hf-neon-phytec-li
nux-gnueabi
#!/bin/sh

# Use this script if you add paths to LD_LIBRARY_PATH
# that contain libraries that conflict with the
# libraries that Qt Creator depends on.

makeAbsolute() {
    case $1 in
        /*)
            # already absolute, return it
            echo "$1"
            ;;
        *)
            # relative, prepend $2 made absolute
            echo `makeAbsolute "$2" "$PWD" `/"$1" | sed 's,/\. $,, '
"/opt/Qt/Tools/QtCreator/bin/qtcreator.sh" 46L, 1353C      1,1      Top

```

3Qt

```
mkdir -p /opt/prj_workspace/Qt/
```

4qt creator

```
/usr/bin/qtcreator.sh
```

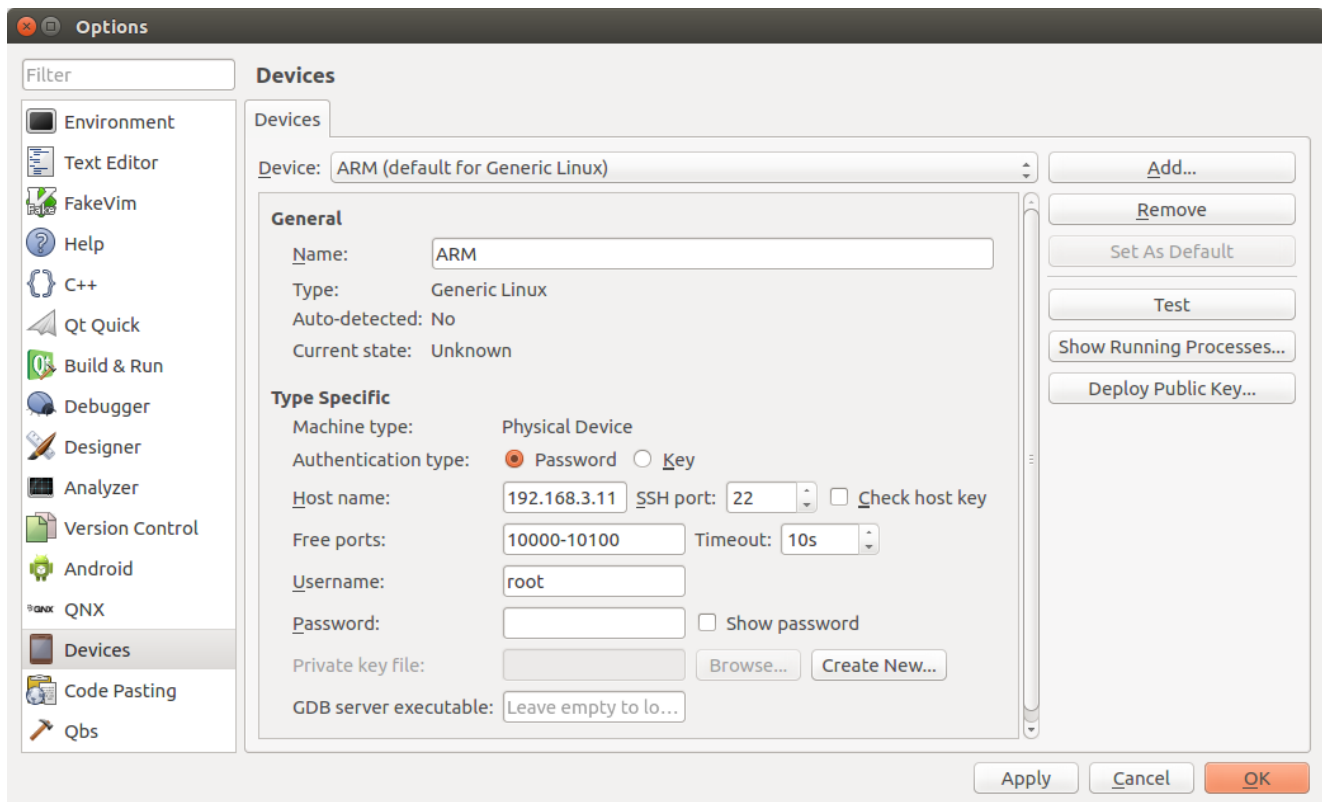
5Tools --> Options --> Devices -->Add --> Generic Linux Device linux:

```

Name: ARM
IP: 192.168.3.11
Username: root
Keep the password empty

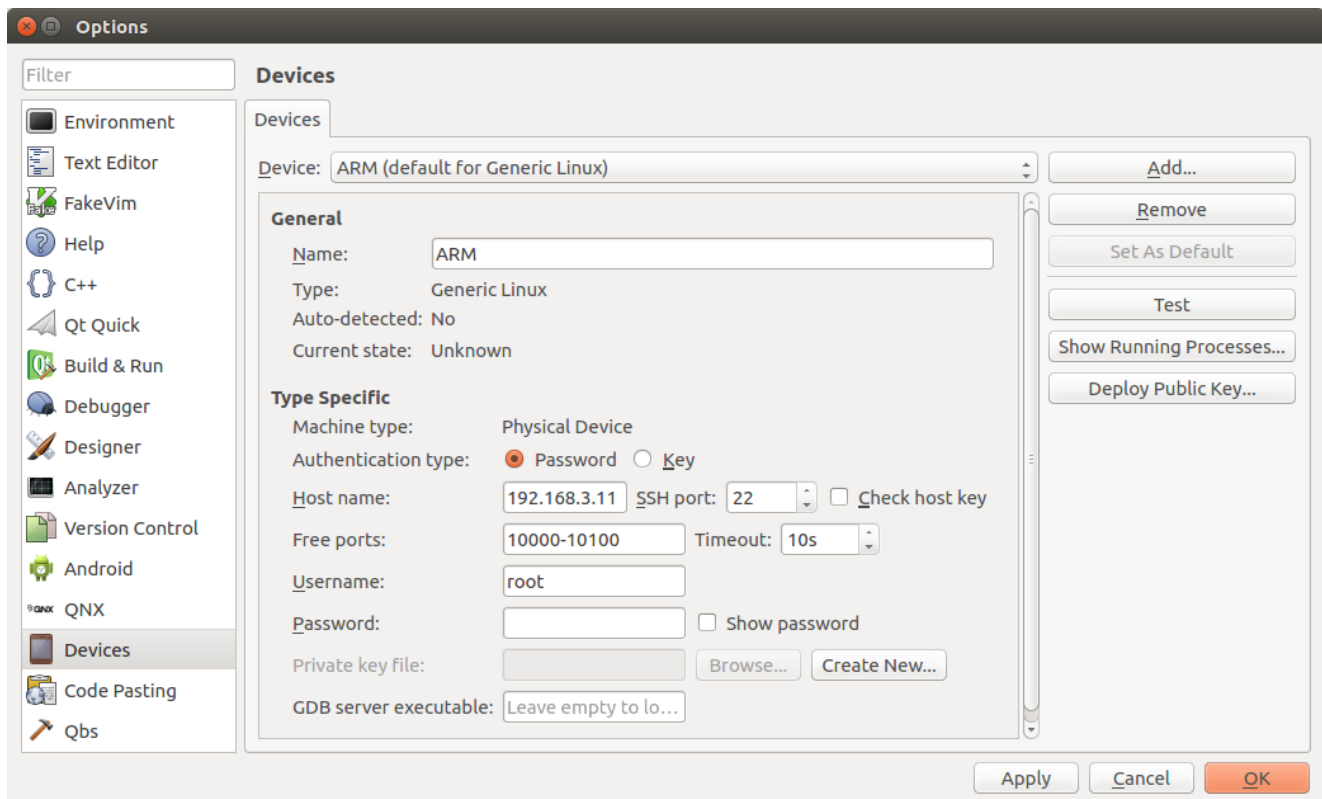
```

IPIP



6Tools --> Options --> Build & Run --> General

Projects Directory --> Directory: /opt/prj_workspace/Qt
 Build and Run --> Default build directory field: ../build/%{CurrentProject:Name}

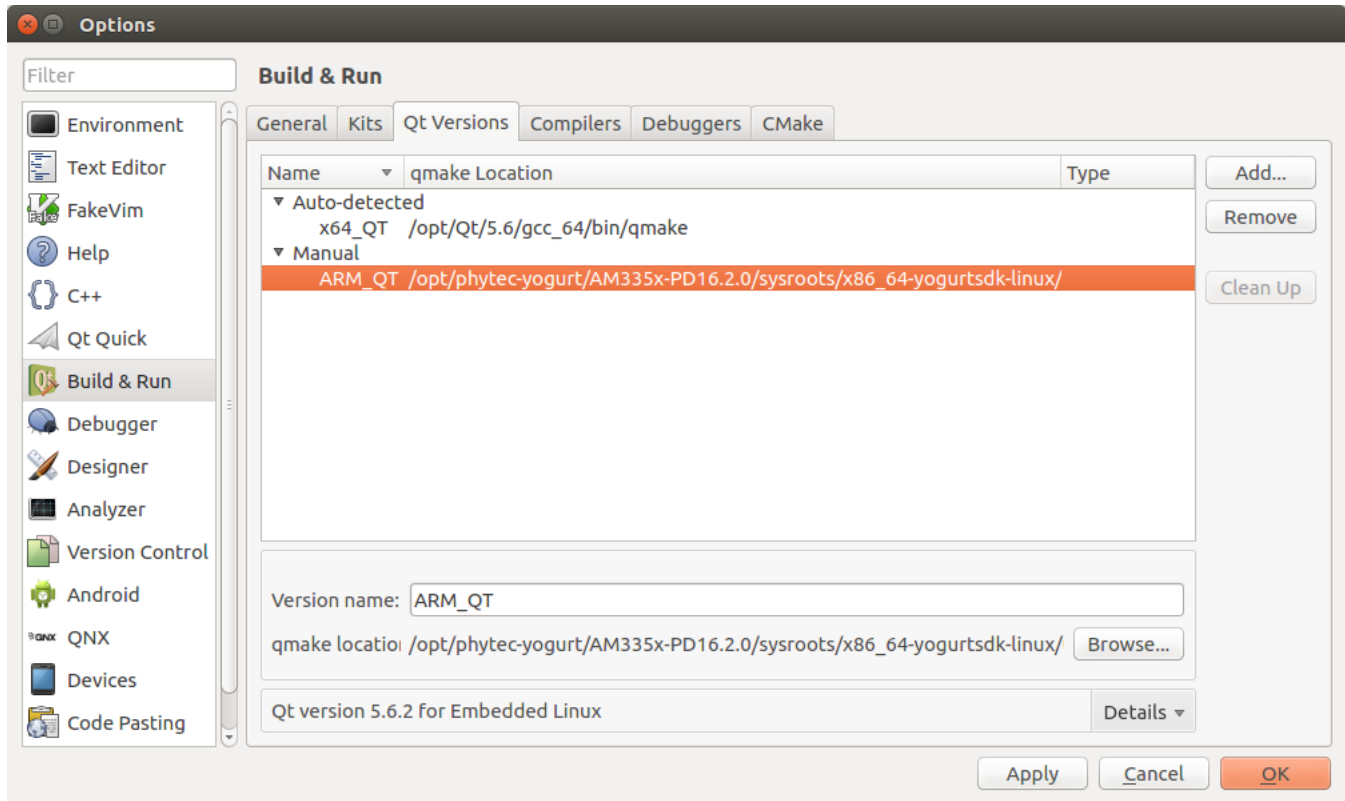


7Tools --> Options --> Build & Run --> Qt Versions,

Qt VersionsAdd

Name: ARM_QT

qmake Location: /opt/phytecyogurt/<YOURCONTROLLER>PD<YOURPDNR>/sysroots/x86_64yogurtsdklinux/usr/bin/qt5/qmake



8Tools --> Options --> Build & Run -->Compilers,ADDGCC

Name: ARMGCC

Compiler Path: /opt/phytecyogurt/<YOURCONTROLLER>PD<YOURPDNR>/sysroots/x86_64yogurtsdklinux/usr/bin/arm-phytec-linux-gnueabi/arm-phytec-linux-gnueabi-gcc

9Tools --> Options --> Build & Run Debuggers,ADD

Name: ARMGDB

Path: /opt/phytecyogurt/<YOURCONTROLLER>PD<YOURPDNR>/sysroots/x86_64yogurtsdklinux/usr/bin/arm-phytec-linux-gnueabi/arm-phytec-linux-gnueabi-gdb

10Tools --> Options --> Build & Run Kits,ADD

Name: ARM

Device Type: Generic Linux Device

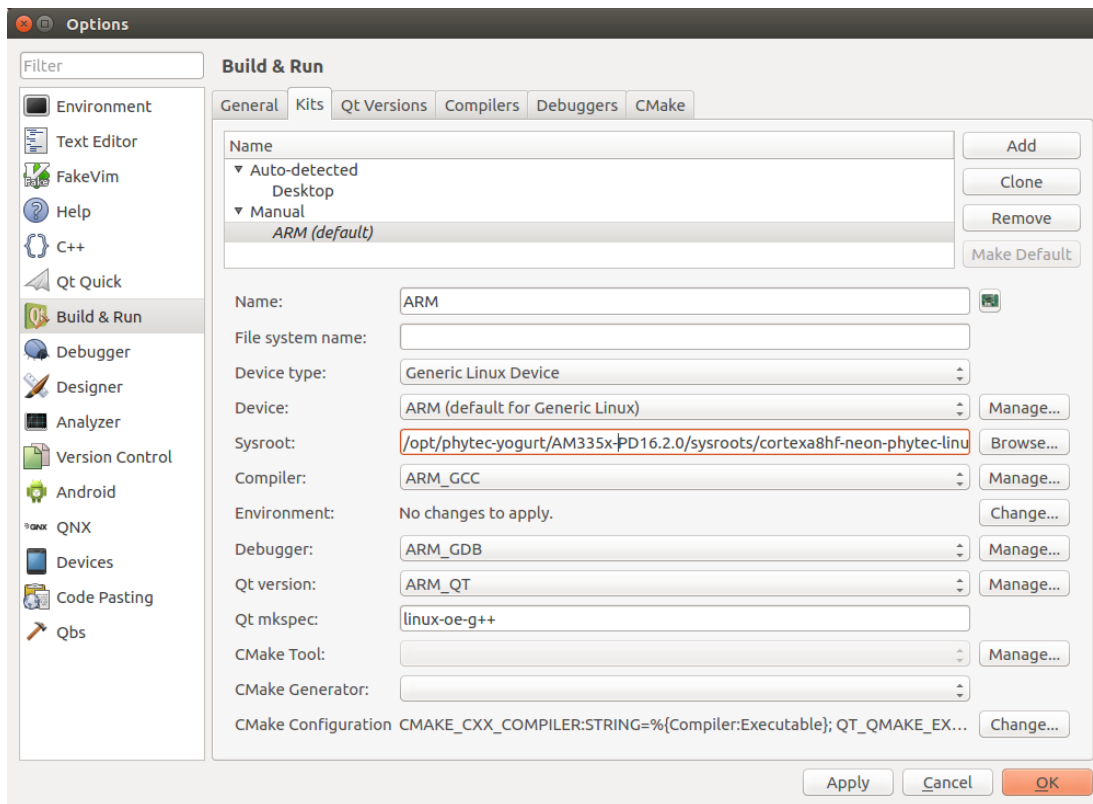
Sysroot: /opt/phytecyogurt/<YOURCONTROLLER>PD<YOURPDNR>/sysroots/<YOURARCHITECTURE>vfpneonphyteclinuxgnueabi

Compiler: ARM_GCC

Debugger: ARM_GDB

Qt version: ARM_QT

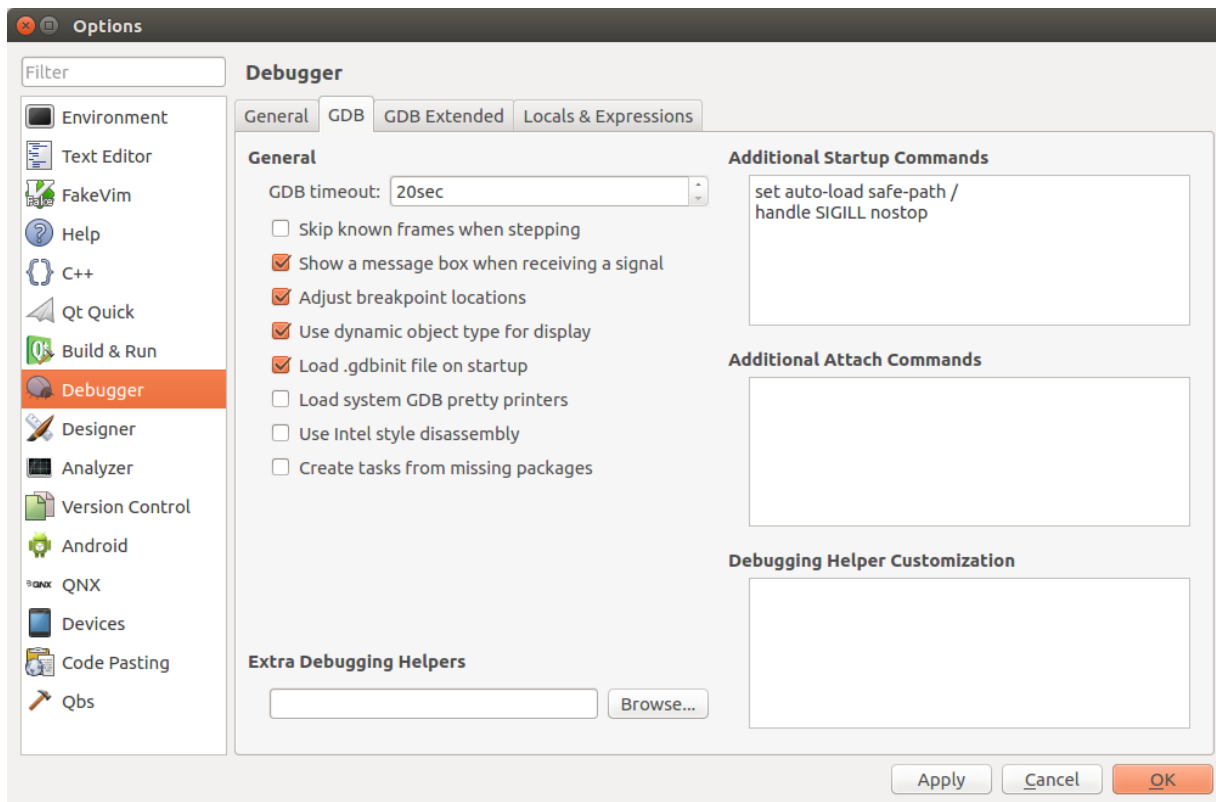
Qt mkspec: linuxoeg++



11Tools --> Options --> Debugger GDB

Addition Startup Commands

```
set autoload safepath /
handle SIGILL nostop
```



12Apply,OKKitqt

qt

1phytec-qtdemo.service

```
systemctl stop phytec-qtdemo.service
```

2Qt Creator

```
/usr/bin/qtcreator.sh &
```

3qtKit SelectionARM

4qt



qt, qtdemo

```
systemctl stop phytec-qtdemo.service
```

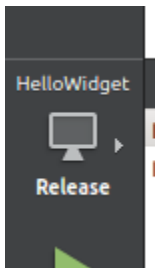
Qt

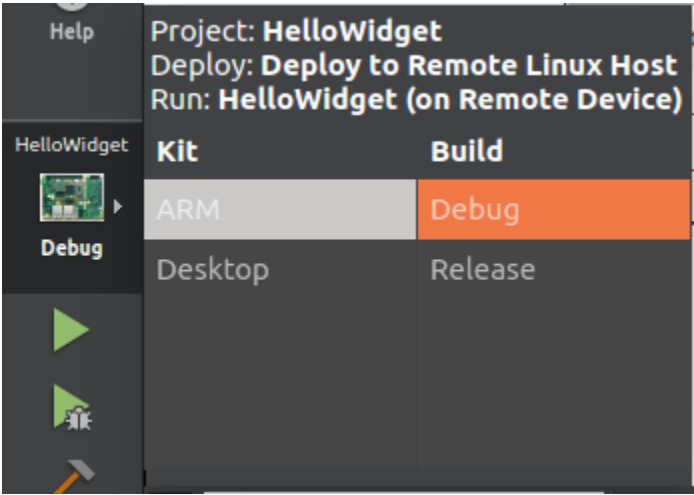
1.pro.pro

```
target.path = /home/root/  
INSTALLS += target
```

target.pathqt

2QtReleaseDebug





3linuxping

