

### **GUI Programming in Embedded Linux**



Embedded System Lab. II	2

Qt

Embedded System Lab. II



#### **Qt/Embedded**



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#### **QT /Embedded**

#### (1)



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#### **QT /Embedded**

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#### **QT /Embedded**

#### libstdc++ (target) target# cp libstdc++.a /lib //host libstdc++ target //'/lib' target# cd /lib target# In -s /lib/libstdc++.a libstdc++-libc6.1-2.so.3 // Host target ATH-/bin:/sbin:/usr/bin:/usr/sbin:/usr/X11R6/bin:/usr/local/bin:/usr/local/sbin AIN+/DIN:/3DIN:/WS7/DIN:/WS7/SDIN:/WS7/XIIN0/DI \$PATH D\_LIBRARY\_PATH+\$LD\_LIBRARY\_PATH:/WS7/XIIR6/IIb ISPLAY+:0.0 wport PATH LD\_LIBRARY\_PATH DISFLAY wport QTDIR=/mmt/nfs/gte vport L0\_LIBRARY\_PATH=SQTDIR/T1b:SLD\_LIBRARY\_FATH wport Q#S\_MOUSE\_PROTO=11euutp://dev/ts VISUAL-ae ~/.profile ~/.profile source -/ profile ot#dwper255 /root in -s /lib/libstdc++.a libstdc++-libc6.1-2.so.3 Embedded System Lab. II 10

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#### **QT /Embedded**

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### **QT /Embedded Application(1)**



# QT /Embedded Application(2)



#### **QT /Embedded Application(3)**



#### **QT /Embedded Application(4)**



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#### **QT /Embedded Application(5)**



#### **QT /Embedded Application(6)**



#### **QT /Embedded Application(7)**



#### **QT /Embedded Application(8)**

command	x y	message	
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COMMAND	
CONNECT	
CONNECT_ACK	
CLOSE	
SHOOT	
SHOOT_ACK	
MESSAGE	

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#### **QT /Embedded Application(9)**



### **QT /Embedded Application(10)**

[root@localhos GameBoard.cpp	t omok_arm]# ls board.bmp	main.cpp maipwipdow.com	mydlgboxes.h	sockio.cpp
hlack nng	disconnect nna	mainwindow.h	omok.kdevnri	white nna
bluehat bmp	ip.png	mvdlaboxes	omortridorphy	
[root@localhos	st omok_arm]#			
[root@localhos	st omok_arm🕊 qma	ke –project		
[root@localhos	st omok_arm]#			
[root@localhos	st omok_arm]# ls			
GameBoard.cpp		main.cpp	mydlgboxes∖h	omok_arm.pro 🔎
GameBoard.h		mainwindow.cpp	omok	SOCK TO, CDD
black.png		mainwindow.h	omok	
bluehat.bmp		mydlgboxes.cpp	omok 🖌	
[root@localbos	t omok arml#			

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# QT /Embedded Application(11)

[root@localhos /linux-ipag-g+ [root@localhos GameBoard.cpp CameBoard.h Makefile	tomok_arm]# qma + -o Makefile om tomok_arm]# ls board.bmp connect.png disconnect.png	ke -spec /root/ wk_arm.pro mainwindow.cpp main indow.h mydloboxes.cpp	<pre>/qt-embedded-fr omok.kdevprj omok.kdevses omok_arm.pro</pre>	ee-3.3.4/mkspecs/qws/
Makefile	n.cpp h.cpp ok_arm]#	myd gboxes.h omok	sockio.cpp sockio.h	
#qmake –sı -o Makfile (	bec /root/qt-em bmol_arm.pro	ibedded-free-3.	.3.4/mkspecs	/qws/linux-ipag-g++
→qmake	Makef	iile .	'\$QTDIR/e	example'
Makafila				
Makellie				
CC = arm- CXX = arm- LEX = flex YACC = yacc	linux-gcc linux-g++ -DQT_Q	WS_IPAQ C	Makefi Gcc	le arm-linux-gcc
CC = arm- CXX = arm- LEX = flex VACC = yacC CFLAGS = -p1p CXXELAGS = -p1p -DQT_THREAD_SUP	linux-gcc linux-g++ -DQT_Q e -O2 -DQT_NO_D e -DQMS -fno-exc PORT	MS_IPAQ EBUG -DQT_SHAREQ eptions -fno-rti	Makefi Gcc	le arm-linux-gcc

#### **QT /Embedded Application(12)**

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#### **QT /Embedded Application(13)**

LD_LIBRARY_PATH DISPLAY=:0.0	-\$LD_LIBRARY_	PATH:/usr/X11R6	/11b		í í
export OATH L0_ export QTDIR-/q export LD_LIBRAI coport OWS_MOUSI export VISUAL=au export FDITOR=au	LIBRARY_PATH te RY_PATH=/qte/ E_PROTO=linux e	DISPLAY 11b:\$LD_LIBRARY tp:/dev/ts	ГРАТН		
~	/.profile	host	QT		,
# source ~/.j	profile			1.00	
#cd /qte/lib #ln -s libqte-n	nt.so.3.3.4 lib	qte-mt.so.3			

#### **QT /Embedded Application(14)**



#### **QT /Embedded Application(15)**

# 1 www.hybox.net X-Hyper255 EVW Board REVI.I Embedded System Lab. II 27

### **QT /Embedded Application(16)**



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