

欢迎大家来到第五阶段课程

《分布式流媒体》实训项目

TNV DAY02

复习课

预习
内容

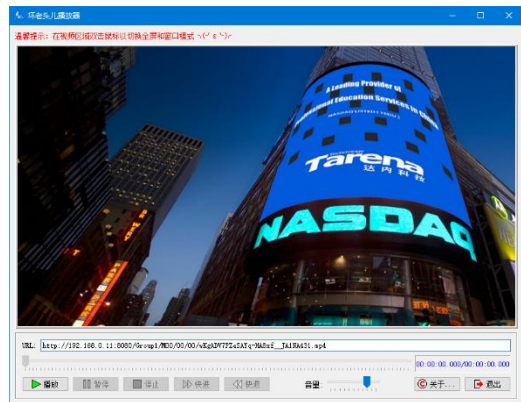
媒体播放器 (1)

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需求

- 播放本地流媒体文件
- 播放基于HTTP协议的网络流媒体内容
- 提供播放、暂停、停止、快进、快退、全屏以及音量控制等功能
- 回显并可随机调整播放进度
- 至少支持Linux和Windows两种操作系统
- 视频窗口显式，可在内嵌窗口和独立窗口之间任选其一



开发计划

知识讲解

序号	内容	文档/代码	时间
80	工程	QtPlayer.pro	45分钟
81		QtPlayerWin.pro	
82	资源	QtPlayer.qrc	
83	界面	MainWindow.ui	
84	声明主窗口类	MainWindow.h	1小时
85	实现主窗口类	MainWindow.cpp	
86	定义主函数	QtPlayer.cpp	



Linux工程

- `RC_ICONS += images\QtPlayer.ico`
- `LIBS += -lvlc`
- `SOURCES += MainWindow.cpp QtPlayer.cpp`
- `HEADERS += MainWindow.h`
- `FORMS += MainWindow.ui`
- `TRANSLATIONS += QtPlayer_zh_CN.ts`
- `RESOURCES += QtPlayer.qrc`



Windows工程

- INCLUDEPATH += D:\vlc-3.0.10\win64\sdk\include
- LIBS += D:\vlc-3.0.10\win64\sdk\lib\libvlccore.lib D:\vlc-3.0.10\win64\sdk\lib\libvlc.lib
- SOURCES += MainWindow.cpp QtPlayer.cpp
- HEADERS += MainWindow.h
- FORMS += MainWindow.ui
- TRANSLATIONS += QtPlayer_zh_CN.ts
- RESOURCES += QtPlayer.qrc



附录：程序清单



QtPlayer/Src/QtPlayer.pro

```
QT += core gui
RC_ICONS += images\QtPlayer.ico
LIBS += -lvlc
greaterThan(QT_MAJOR_VERSION, 4): QT += widgets
CONFIG += c++11
DEFINES += QT_DEPRECATED_WARNINGS
before Qt 6.0.0
SOURCES += \
    MainWindow.cpp \
    QtPlayer.cpp
HEADERS += \
    MainWindow.h
FORMS += \
    MainWindow.ui
TRANSLATIONS += \
    QtPlayer_zh_CN.ts
qnx: target.path = /tmp/${TARGET}/bin
else: unix:!android: target.path = /opt/${TARGET}/bin
!isEmpty(target.path): INSTALLS += target
RESOURCES += \
    QtPlayer.qrc
```



QtPlayer/Src/QtPlayerWin.pro

```
QT += core gui
INCLUDEPATH += C:\vlc-3.0.10\win64\sdk\include
LIBS += C:\vlc-3.0.10\win64\sdk\lib\libvlccore.lib \
        C:\vlc-3.0.10\win64\sdk\lib\libvlc.lib
greaterThan(QT_MAJOR_VERSION, 4): QT += widgets
CONFIG += c++11
DEFINES += QT_DEPRECATED_WARNINGS
before Qt 6.0.0
SOURCES += \
    MainWindow.cpp \
    QtPlayer.cpp
HEADERS += \
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    MainWindow.ui
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qnx: target.path = /tmp/${TARGET}/bin
else: unix:!android: target.path = /opt/${TARGET}/bin
!isEmpty(target.path): INSTALLS += target
RESOURCES += \
    QtPlayer.qrc
```



下节课见