Programming with Qt for Embedded Linux

Training Course

Visit us at http://www.training.gte-india.com

Material based on Qt5.2, created on August 18, 2014

Qt
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Create more.
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Part 1

➲ Fundamentals of Qt

- ✎ The Story of Qt
- ✎ Developing a Hello World Application
- ✎ Hello World using Qt Creator
- ✎ Practical Tips for Developers

➲ Objects in Qt

- ✎ Common Features of Qt's Object Model
- ✎ Object Communication using Signals & Slots
- ✎ Signal/Slot Variations
- ✎ Handling Events in Qt

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Part 1

➲ Qt Embedded

- ✎ Introduction
- ✎ Embedded Setup
- ✎ Fonts
- ✎ Interprocess Communication
- ✎ Customizing QVFb

Part 2

➲ Core Classes

- ✏ String Handling
- ✏ Container Classes
- ✏ File Handling
- ✏ Variants

➲ Widgets

- ✏ Common Widgets
- ✏ Layout Management
- ✏ Guidelines for Custom Widgets

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Part 2

➲ Painting and Styling

- ↳ Painting on Widgets
- ↳ Color Handling
- ↳ Painting Operations
- ↳ Style Sheets

Part 3

➲ Application Creation

- ✤ Main Windows
- ✤ Settings
- ✤ Resources
- ✤ Translation for Developers
- ✤ Deploying Qt Applications

➲ Dialogs and Designer

- ✤ Dialogs
- ✤ Common Dialogs
- ✤ Qt Designer

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Part 3

➲ Qt Embedded Adaptation

- ↳ Display Management
- ↳ Pointer handling
- ↳ Key Handling
- ↳ Window decoration
- ↳ Feature configuration
- ↳ Performance Tuning

Part 4

➲ Inter-Process Communication

⚓ Running Processes

⚓ Shared Memory with Qt