Qt Creator Introduction

Tobias Hunger
What is Qt Creator?

"Qt Creator is a cross-platform C++, JavaScript and QML integrated development environment [...] The editor's features include syntax highlighting and autocompletion, but not tabs."

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```cpp
QStringList entries = srcDir.entryList();
foreach (const QString &file, entries) {
    const QString lowerFile = file.toLower();
    if (lowerFile.startsWith(QLatinString("profiles.xml")))
        lowerFile = QLatinString("profiles.xml")
    else if (lowerFile.startsWith(QLatinString("qtversion.xml")))
        lowerFile = QLatinString("qtversion.xml")
    else if (lowerFile.startsWith(QLatinString("devices.xml")))
        lowerFile = QLatinString("devices.xml")
    else if (lowerFile.startsWith(QLatinString("debuggers.xml")))
        lowerFile = QLatinString("debuggers.xml")
    Qfile(file = srcDir.absoluteFilePath(file), destDir.absoluteFilePath(file));
    if (file == QLatinString("qtcreator"))
        copyRecursively(srcDir.absoluteFilePath(file), destDir.absoluteFilePath(file));
}
```

// Make sure to use the copied settings:
delete settings;
return createUserSettings();

```cpp
#define Q_OS_MAC
#define SHARE_PATH "/../Resources"
#else
#define SHARE_PATH "../share/qtcreator"
#endif

int main(int argc, char **argv)
{
    QLoggingCategory::setFilterRules(QLatinString("qtc.*.debug=false");
    #ifdef Q_OS_MAC
    // Increase the number of files that can be opened in Qt Creator.
    struct rlimit rl;
    getrlimit(RLIMIT_NOFILE, &rl);
    rl.rlim_cur = qMin((rl.rlim_t)OPEN_MAX, rl.rlim_max);
    setrlimit(RLIMIT_NOFILE, &rl);
    #endif
    SharedTools::QSingleApplication app(QLatinString(appName), argc, argv);
    const int threadCount = QThreadPool::globalInstance()->maxThreadCount();
    QThreadPool::globalInstance()->setMaxThreadCount(qMax(4, 2 * threadCount));
    setupExceptionHandler(); // Display a backtrace once a serious signal is delivered.
    #ifdef ENABLE_QT_BREATPAD
    QCefSystemExceptionHandler cefExceptionHandler;
    #endif
```
Demo Time
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Summary

Navigation:

ESC  Go (closer) to code
Alt-Left/Alt-Right  History based cursor navigation
Ctrl-Tab/Shift Tab  Document History
F1, F2, F4  Help, follow symbol, switch header/source

Refactoring:

Ctrl-Shift-U, Ctrl-Shift-R  Find usages, Rename
Alt-Return  Quick fix
http://www.qt.io/

Manual:
http://qt-project.org/doc/qtcreator-3.2/index.html

Mailing List:
http://lists.qt-project.org/mailman/listinfo/qt-creator

IRC:
#qt-creator on the freenode.net IRC network
Thank you!

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hunger on IRC (freenode.net)
See you there!

www.qt.io