Qt **DOCUMENTATION**

Qt 创建者手册 8.0.2

搜索

Topics 〉

Qt 创建者手册 〉 确认

确认

学分

我们要感谢我们的贡献者，他们在每个版本的Qt Creator更改日志中列出。

断续器

Qt 创建者安装提供 Qbs。其许可和第三方归属在Qbs手册中列出。

第三方组件

Qt创建者包含以下第三方组件：

〉 **YAML Parser yaml-cpp （MIT 许可证)**

https://github.com/jbeder/yaml-cpp

QtCreator/src/libs/3rdparty/yaml-cpp

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> ### 用于 Kate 语法定义的语法突出显示引擎

这是 Kate 语法突出显示引擎的独立实现。它旨在作为文本编辑器以及简单的突出显示文本呈现（例如 HTML）的构建块，支持与自定义编辑器的集成以及现成的QSyntaxHighlighter子类。

以下文件是 KDE 的凯特项目的一部分，kdelibs/kate：

> #### 警报.xml

作者：多米尼克·豪曼（dhaumann@kde.org）。

在 MIT 许可证下分发。

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> #### bash.xml

Copyright (c) 2004 by Wilbert Berendsen (wilbert@kde.nl).

Changes by: Matthew Woehlke (mw_triad@users.sourceforge.net), Sebastian Pipping (webmaster@hartwork.org), and Luiz Angelo Daros de Luca (luizluca@gmail.com).

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> #### cmake.xml

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Copyright 2007,2008,2013,2014 Matthew Woehlke (mw_triad@users.sourceforge.net).

Copyright 2013-2015,2017-2020 Alex Turbov (i.zaufi@gmail.com).

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css.xml

Author: Wilbert Berendsen (wilbert@kde.nl).

Changes: Version 7 and 8 by Jonathan Poelen, Version 2.13 and 4 by Guo Yunhe (guoyunhebrave@gmail.com), Version 2.08 by Joseph Wenninger, Version 2.06 by Mte90, Version 2.03 by Milian Wolff.

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doxygen.xml

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dtd.xml

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> **html.xml**

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> **ini.xml**

Author: Jan Janssen (medhefgo@web.de).

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> **java.xml**

Author: Alfredo Luiz Foltran Fialho (alfoltran@ig.com.br).

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> **javadoc.xml**

Author: Alfredo Luiz Foltran Fialho (alfoltran@ig.com.br).

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> **json.xml**

Author: Sebastian Pipping (sebastian@pipping.org).

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> **makefile.xml**

Author: v0.9 by Per Wigren (wigren@home.se).

Changes: Joseph Wenninger (jowenn@kde.org), Rui Santana (santana.rui@gmail.com), v2.0 by Andreas Nordal (andreas.nordal@gmail.com), v2.1 by Alex Turbov (i.zaufi@gmail.com), v4 by Alex Richardson (arichardson.kde@gmail.com).

> **markdown.xml**

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Extended 2009 Claes Holmerson (http://github.com/claes/kate-markdown/).

Extended 2019 Nibaldo González S. (nibgonz@gmail.com). Changes under MIT license.

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› **modelines.xml**

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> **perl6.xml**

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> **powershell.xml**

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> **python.xml**

Author: Michael Bueker

Changes: v0.9 by Per Wigren, v1.9 by Michael Bueker, v1.97 by Paul Giannaros, v1.99 by Primoz Anzur, v2.01 by Paul Giannaros.

> **qdocconf.xml**

Author: Volker Krause (vkrause@kde.org).

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> **valgrind-suppression.xml**

Author: Milian Wolff (mail@milianw.de).

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> **xml.xml**

Author: Wilbert Berendsen (wilbert@kde.nl).

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> **yacc.xml**

YACC.XML supports syntax highlighting for Yacc/Bison source under Kate.

Copyright (C) 2004, Jan Villat (jan.villat@net2000.ch).

Changes by: Nibaldo González (nibgonz@gmail.com), Sebastian Pipping (webmaster@hartwork.org).

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The source code of KSyntaxHighlighting can be found here:

> https://invent.kde.org/frameworks/syntax-highlighting

> QtCreator/src/libs/3rdparty/syntax-highlighting

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> **Clazy**

https://github.com/KDE/clazy

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Integrated with patches from

> https://code.qt.io/cgit/clang/clazy.git

> **LLVM/Clang**

https://github.com/llvm/llvm-project/

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With backported/additional patches from

> https://code.qt.io/cgit/clang/llvm-project.git

> **Optional**

A single-header header-only library for representing optional (nullable) objects for C++14 (and C++11 to some extent) and passing them by value.

Copyright (C) 2011-2012 Andrzej Krzemienski

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The idea and interface is based on Boost.Optional library authored by Fernando Luis Cacciola Carballal

The source code of std::experimental::optional can be found here:

> https://github.com/akrzemi1/Optional
> QtCreator/src/libs/3rdparty/optional
> https://code.qt.io/cgit/qt-creator/qt-creator.git/tree/src/libs/3rdparty/optional

> **MPark.Variant**

MPark.Variant is an implementation of C++17 std::variant for C++11/14/17.

Copyright Michael Park, 2015-2017

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The source code can be found here:

> https://github.com/mpark/variant
> QtCreator/src/libs/3rdparty/variant
> https://code.qt.io/cgit/qt-creator/qt-creator.git/tree/src/libs/3rdparty/variant

> **std::span implementation for C++11 and later**

A single-header implementation of C++20's std::span, conforming to the C++20 committee draft. It is compatible with C++11, but will use newer language features if they are available.

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The source code can be found here:

› https://github.com/tcbrindle/span

› QtCreator/src/libs/3rdparty/span

› https://code.qt.io/cgit/qt-creator/qt-creator.git/tree/src/libs/3rdparty/span

› **Open Source front-end for C++ (license MIT)**, enhanced for use in Qt Creator.
Roberto Raggi <roberto.raggi@gmail.com>
QtCreator/src/libs/3rdparty/cplusplus

› **ANGLE Library (Windows)**

Used on Windows to implement OpenGL ES on top of DirectX.

The source code of ANGLE is part of the Qt libraries. For more information about the licenses used in Qt GUI, see Qt GUI.

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Implements clamping of array indexing expressions during shader translation.

Used on Windows to implement OpenGL ES on top of DirectX. Configure with , or to exclude.`-no-opengl-opengl desktop`

The sources can be found in `.qtbase/src/3rdparty/angle/src/third_party/compiler`

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> **ANGLE: Murmurhash (Windows)**

Used on Windows to implement OpenGL ES on top of DirectX. Configure with , or to exclude.`-no-opengl-opengl desktop`

The sources can be found in `.qtbase/src/3rdparty/angle/src/third_party/murmurhash`

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> **ANGLE: Systeminfo (Windows)**

Used on Windows to implement OpenGL ES on top of DirectX. Configure with , or to exclude.`-no-opengl-opengl desktop`

The sources can be found in `.qtbase/src/3rdparty/angle/src/third_party/systeminfo`

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ANGLE: trace_event (Windows)

Used on Windows to implement OpenGL ES on top of DirectX. Configure with , or to exclude.`-no-opengl-opengl desktop`

The sources can be found in `.qtbase/src/3rdparty/angle/src/third_party/trace_event`

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> **SQLite (version 3.8.10.2)**

SQLite is a C-language library that implements a small, fast, self-contained, high-reliability, full-featured, SQL database engine.

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The source code of SQLite library can be found here:

> QtCreator/src/libs/3rdparty/sqlite

> https://code.qt.io/cgit/qt-creator/qt-creator.git/tree/src/libs/3rdparty/sqlite

> **three.js**

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share/qtcreator/templates/wizards/projects/qmake/qtcanvas3dapplication

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> **LLVMPipe - The Mesa 3D Graphics Library**

Mesa is a 3D graphics library with an API which is very similar to that of OpenGL. The llvmpipe software renderer enables the running of OpenGL applications without any hardware or driver support.

Mesa is shipped as part of the binary packages for Windows (opengl32sw.dll).

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› **JSON Library by Niels Lohmann**

Used by the Chrome Trace Format Visualizer plugin instead of QJson because of QJson's current hard limit of 128 Mb object size and trace files often being much larger.

The sources can be found in `.QtCreator/src/libs/3rdparty/json`

The class is licensed under the MIT License:

Copyright (C) 2013-2019 Niels Lohmann

The class contains the UTF-8 Decoder from Bjoern Hoehrmann which is licensed under the MIT License (see above). Copyright (C) 2008-2009 Bjoern Hoehrmann <bjoern@hoehrmann.de>

The class contains a slightly modified version of the Grisu2 algorithm from Florian Loitsch which is licensed under the MIT License (see above). Copyright (C) 2009 Florian Loitsch

› **litehtml**

The litehtml HTML/CSS rendering engine is used as a help viewer backend to display help files.

The sources can be found in:

› `QtCreator/src/plugins/help/qlitehtml`

› https://github.com/litehtml

Copyright (c) 2013, Yuri Kobets (tordex)

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› **gumbo**

The litehtml HTML/CSS rendering engine uses the gumbo parser.

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› **gumbo/utf8.c**

The litehtml HTML/CSS rendering engine uses gumbo/utf8.c parser.

Copyright (c) 2008-2009 Bjoern Hoehrmann <bjoern@hoehrmann.de>

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› **SourceCodePro fonts**

Qt Creator ships with the following fonts licensed under OFL-1.1:

› SourceCodePro-Regular.ttf

› SourceCodePro-It.ttf

› SourceCodePro-Bold.ttf

```
SIL OPEN FONT LICENSE

Version 1.1 - 26 February 2007

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› **conan.cmake**

CMake script used by Qt Creator's auto setup of package manager dependencies.

The sources can be found in:

› `QtCreator/src/share/3rdparty/package-manager/conan.cmake`

› https://github.com/conan-io/cmake-conan

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