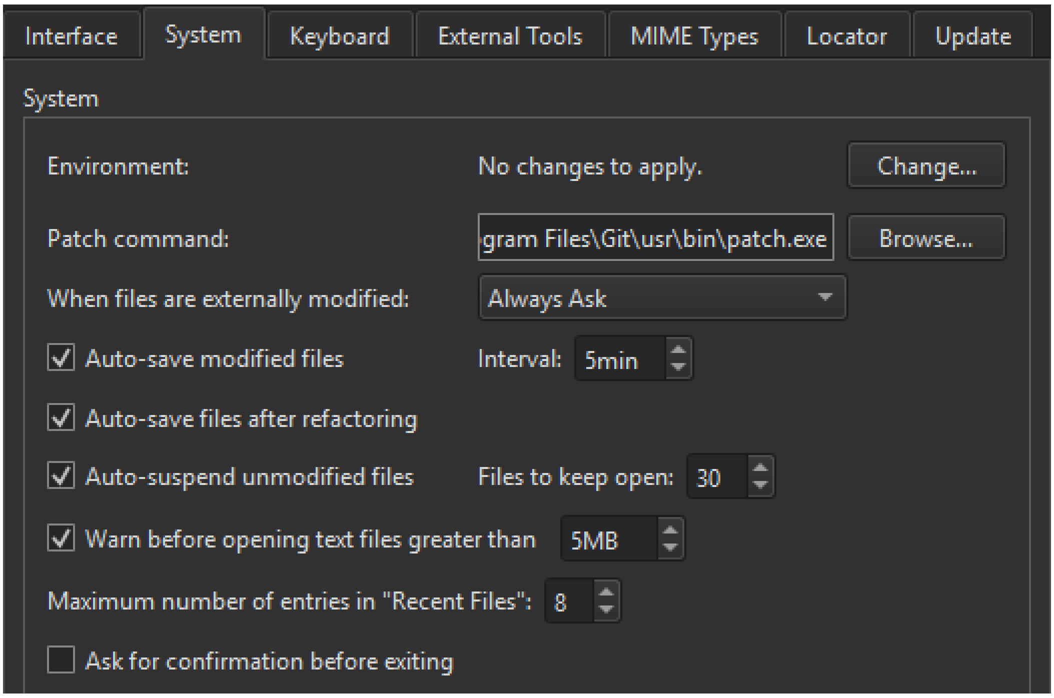
指定环境设置

可以在“**生成设置**”的“**生成环境**”部分中指定要用于生成项目的环境。

默认情况下，将使用和修改启动 Qt 创建器的环境以包含 Qt 版本。根据所选的 Qt 版本，Qt 创建器会自动设置必要的环境变量。您可以编辑现有环境变量，也可以根据项目要求添加、重置和取消设置新变量。

要从启动 Qt Creator 的系统环境全局更改系统环境，请选择**编辑**>**首选项**>**环境**>**系统**，然后在**环境字段中选择更改**。



System

Environment: No changes to apply. Change...

Patch command: gram Files\Git\usr\bin\patch.exe Browse...

When files are externally modified: Always Ask

☑ Auto-save modified files Interval: 5min

☑ Auto-save files after refactoring

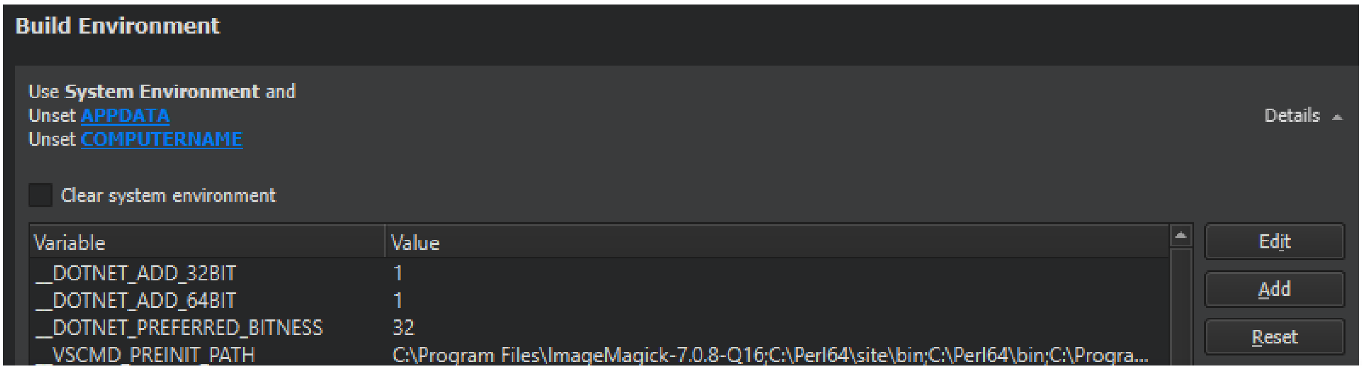
☑ Auto-suspend unmodified files Files to keep open: 30

☑ Warn before opening text files greater than 5MB

Maximum number of entries in "Recent Files": 8

□ Ask for confirmation before exiting

此外，还可以在“**项目设置**”>**环境设置中**指定自定义**环境**变量。它们将添加到所有生成环境中。最终构建环境是为每个工具包单独指定的。通过特定于项目的环境设置，您可以修改用于同时生成项目的所有工具包的构建环境，而不必为每个工具包单独编辑它。

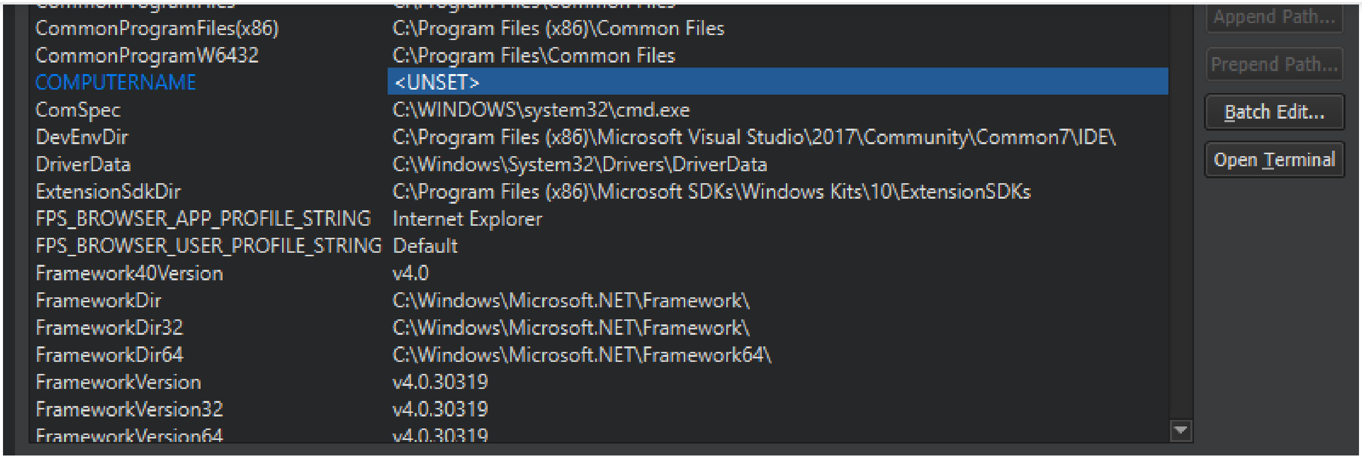


Build Environment

Use **System Environment** and
Unset APPDATA
Unset COMPUTERNAME

□ Clear system environment

Variable	Value
__DOTNET_ADD_32BIT	1
__DOTNET_ADD_64BIT	1
__DOTNET_PREFERRED_BITNESS	32
__VSCMD_PREINIT_PATH	C:\Program Files\ImageMagick-7.0.8-Q16;C:\Perl64\site\bin;C:\Perl64\bin;C:\Progra...



CommonProgramFiles	C:\Program Files\Common Files
CommonProgramFiles(x86)	C:\Program Files (x86)\Common Files
CommonProgramW6432	C:\Program Files\Common Files
COMPUTERNAME	<UNSET>
ComSpec	C:\WINDOWS\system32\cmd.exe
DevEnvDir	C:\Program Files (x86)\Microsoft Visual Studio\2017\Community\Common7\IDE\
DriverData	C:\Windows\System32\Drivers\DriverData
ExtensionSdkDir	C:\Program Files (x86)\Microsoft SDKs\Windows Kits\10\ExtensionSDKs
FPS_BROWSER_APP_PROFILE_STRING	Internet Explorer
FPS_BROWSER_USER_PROFILE_STRING	Default
Framework40Version	v4.0
FrameworkDir	C:\Windows\Microsoft.NET\Framework\
FrameworkDir32	C:\Windows\Microsoft.NET\Framework\
FrameworkDir64	C:\Windows\Microsoft.NET\Framework64\
FrameworkVersion	v4.0.30319
FrameworkVersion32	v4.0.30319
FrameworkVersion64	v4.0.30319

更改存储在特定于本地项目或文件中，具体取决于您使用的生成系统。因此，它们不适合在开发人员或开发电脑之间共享。若要共享设置，请将它们合并到生成系统中。例如，如果使用 CMake，请在文件中进行更改，如果使用 qmake，则在文件中进行更改。CMakeLists.txt.user.pro.userCMakeLists.txt.pro

批量编辑

要修改构建或运行环境的环境变量值，请在“**构建**环境”或“**环境**”窗格中选择“**批量编辑**”，然后在“编辑环境”对话框中输入**环境**变量。

要从环境中删除变量值，请输入变量名称。例如，在生成或运行项目时将变量的值设置为空。TESTTEST

要将变量值添加到环境中，请输入变量名称和值，以等号分隔。例如，以下行将文件夹附加到现有 PATH 的前面：/opt/bin

- 在窗口上：PATH=C:\opt\bin;${PATH}
- 在 Linux 上：PATH=/opt/bin:${PATH}

要添加或删除多个变量，请将它们放在单独的行上。顺序很重要。如果删除一行上的值，则无法在以下行中引用该值。但是，您可以在前面的行中引用值后删除该值。

若要暂时禁用变量，请在行首添加哈希字符（#）。

Clearing the System Environment

To build with a clean system environment, select the **Clear system environment** check box. Qt Creator discards the current environment, and populates a clean system environment with the environment variables that the compilers and tools need. Therefore, the environment is never totally empty, even after you clear it.

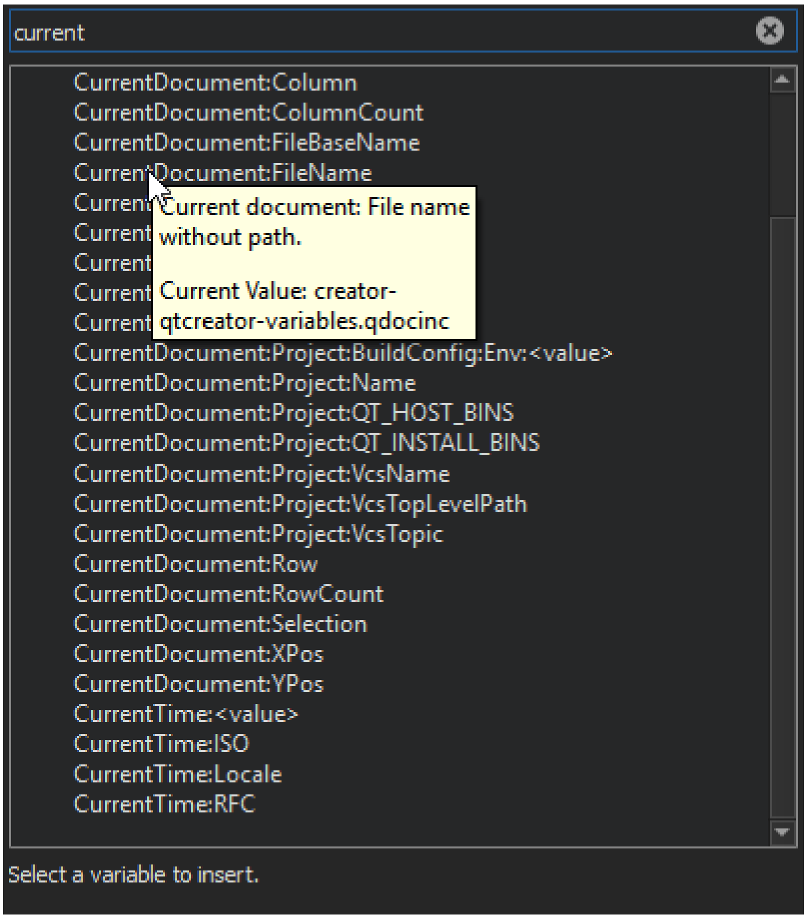
Using Environment Variables

You can use any environment variables in build, deploy, and run configurations. For a list of variable names, select **Build Settings** > **Build Environment** > **Details**. Environment variables are referenced using the native syntax: $VARNAME or ${VARNAME} on Unix and %VARNAME% on Windows.

Using Qt Creator Variables

You can use Qt Creator variables in arguments, executable paths, and working directories. The variables take care of

Select the (Variables) button in a field to select from a list of variables that are available in a particular context. For more information about each variable, move the cursor over it in the list.



current

CurrentDocument:Column
CurrentDocument:ColumnCount
CurrentDocument:FileBaseName
CurrentDocument:FileName
Curren
Current
Current
Current
Current
CurrentDocument:Project:BuildConfig:Env:<value>
CurrentDocument:Project:Name
CurrentDocument:Project:QT_HOST_BINS
CurrentDocument:Project:QT_INSTALL_BINS
CurrentDocument:Project:VcsName
CurrentDocument:Project:VcsTopLevelPath
CurrentDocument:Project:VcsTopic
CurrentDocument:Row
CurrentDocument:RowCount
CurrentDocument:Selection
CurrentDocument:XPos
CurrentDocument:YPos
CurrentTime:<value>
CurrentTime:ISO
CurrentTime:Locale
CurrentTime:RFC

Current document: File name without path.

Current Value: creator-qtcreator-variables.qdocinc

Select a variable to insert.

The following syntax enables you to use environment variables as Qt Creator variables: %{Env:VARNAME}.

Qt Creator uses pattern substitution when expanding variable names. To replace the first match of *pattern* within *variable* with *replacement*, use:

```
%{variable/pattern/replacement}
```

To replace all matches of *pattern* within *variable* with *replacement*, use:

```
%{variable//pattern/replacement}
```

The pattern can be a regular expression and the replacement can contain backreferences. For example, if is , then is expanded to .`%{variable}my123var%{variable/(..)(\d+)/\2\1}123myvar`

Instead of the forward slash, you can also use the pound sign () as the substitution character. This can be helpful if the value is supposed to be a file path, in which case forward slashes might get translated to backslashes on Windows hosts.#

To use the default value if the variable is not set, use:

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