

# Section 1 - Qt Creator Familiarisation [see the official manual](#)

## Useful Qt Creator keyboard shortcuts

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- CTRL-'DEL' - toggle code folding
- CTRL- '/' - toggle comment
- CTRL-'A'-'I' - auto-indent selected text
- CTRL-'TAB' - go to previously selected file
- F4 - switch from hpp to cpp or back
- SHIFT-'F4' - switch to UI file and back
- CTRL-SHIFT-'B' - build all
- CTRL-ALT-'C' - compile current file
- ALT-'G'-'C' - git commit
- ALT-'ENTER' - list quick fixes
- ALT-'ENTER' - list quick fixes; when inheriting abstract base class place cursor next to class name (e.g. class MyClass : public AbstractClass ), then select 'Insert Virtual Functions of Base Class'
- CTRL-SHIFT-'R' - rename symbol under cursor
- ALT-'0' - toggle left pane (usually includes the project explorer)
- ALT-'1'..'10' - toggle tabs on the bottom pane
- F1 - context sensitive help; ESC twice to close
- CTRL-SHIFT-'V' - shows clipboard stack
- CTRL-'M' - toggle bookmark
- Use capitals to abbreviate class names and get a list, e.g. QSI gives a drop down including QStandardItem
  - Then ALT-'ENTER' for a quick fix to #include the header if not already included
- Default quick fix for change to parameter list
- Create a faux c#-style region:
  - #pragma <REGION> {
  - #pragma <ENDREGION> }

## Directory and file locations

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### Designer widget plugins:

- For standalone designer, copy to: C:\Qt\Tools\QtCreator\bin\plugins\designer
- For Qt Creator internal designer, copy to C:\Qt\<QT\_VERSION>\<BUILD\_KIT>\plugins\designer
- Copy dependencies to:
  - C:\Qt\<QT\_VERSION>\<BUILD\_KIT>\bin
  - C:\Qt\Tools\QtCreator\bin

### Custom templates:

- Copy from: C:\Qt\Tools\QtCreator\share\qtcreator\templates\wizards
- Copy to: C:\Users\<USER\_NAME>\AppData\Roaming\QtProject\qtcreator\templates\wizards

### Other locations:

- snippets.xml C:\Users\<USER\_NAME>\AppData\Roaming\QtProject\qtcreator\snippets

## Other Qt Creator features

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### Command line options - [See here](#)

### Plugins

## Window split

## Custom templates - [See here](#)

## External tools

## Creator variables [See here for a general discussion](#)

### Most useful/most often used:

```
%{ActiveProject:Path} - root path (where your .pro file lives)
%{ActiveProjectBuildConfig:Path} - output path for build operations
%{ActiveProjectBuildConfig:Type} - e.g. release | debug | profile
%{ActiveProject:Name} - name of the current ActiveProject
%{UUID} - generate a new UUID
%{CPP:LicenceTemplate} - licences template from 'Preferences'
%{CurrentDate:Locale} - date in locale specific format (e.g. 04/04/2024)
%{CurrentDate:ISO} - date in ISO format (e.g. 2024-04-04)
%{CurrentDate:RFC} - date in RFC format (e.g. 04 Apr 2024)
%{CurrentTime:Locale} - time in locale specific format (e.g. 12:12)
%{CurrentTime:ISO} - time in ISO format (e.g. 12:12:12)
%{CurrentTime:RFC} - time in RFC format (same as above)
```