# CL CLion

## EDITING

| | |
|---|---|
| Basic code completion | Ctrl + Space |
| Smart code completion | Ctrl + Shift + Space |
| Complete statement | Ctrl + Shift + Enter |
| Show parameters info | Ctrl + P |
| Quick documentation lookup | Ctrl + Q |
| Brief info | Ctrl + Mouse hover |
| Show descriptions of error at caret | Ctrl + F1 |
| Generate code | Alt + Insert |
| Override / implement methods | Ctrl + O / Ctrl + I |
| Surround with... | Ctrl + Alt + T |
| Comment with line comment | Ctrl + / |
| Comment with block comment | Ctrl + Shift + / |
| Select successively increasing code blocks | Ctrl + W |
| Decrease selection to previous state | Ctrl + Shift + W |
| Context info | Alt + Q |
| Reformat code | Ctrl + Alt + L |
| Optimize imports | Ctrl + Alt + O |
| Auto-indent line | Ctrl + Alt + I |
| Indent / unindent selected lines | Tab / Shift + Tab |
| Cut current line to clipboard | Ctrl + X, Shift + Delete |
| Copy current line to clipboard | Ctrl + C, Ctrl + Insert |
| Paste from clipboard | Ctrl + V, Shift + Insert |
| Paste from recent buffers... | Ctrl + Shift + V |
| Duplicate current line | Ctrl + D |
| Delete line at caret | Ctrl + Y |
| Smart line join | Ctrl + Shift + J |
| Smart line split / Start new line | Ctrl+Enter / Shift + Enter |
| Toggle case | Ctrl + Shift + U |
| Select till code block start | Ctrl + Shift + [ |
| Select till code block end | Ctrl + Shift + ] |
| Delete to word end | Ctrl + Delete |
| Delete to word start | Ctrl + Backspace |
| Expand / collapse code block | Ctrl + NumPad + / – |
| Expand all | Ctrl + Shift + NumPad + |
| Collapse all | Ctrl + Shift + NumPad – |
| Close active editor tab | Ctrl + F4 |
| Place the caret in multiple locations | Alt + Shift + Click |
| Restore single caret mode | Esc |
| Add next occurrence of current word | Alt + G |
| Delete next occurrence of current word | Alt + Shift + G |

## SEARCH / REPLACE

| | |
|---|---|
| Find / Replace | Ctrl + F / Ctrl + R |
| Find next / previous | F3 / Shift + F3 |
| Find in path | Ctrl + Shift + F |
| Replace in path | Ctrl + Shift + R |
| Search everywhere | Double Shift |

## USAGE SEARCH

| | |
|---|---|
| Find usages / Find usages in file | Alt + F7 / Ctrl + F7 |
| Highlight usages in file | Ctrl + Shift + F7 |
| Show usages | Ctrl + Alt + F7 |

## NAVIGATION

| | |
|---|---|
| Go to class / Go to file | Ctrl + N / Ctrl + Shift + N |
| Go to symbol | Ctrl + Alt + Shift + N |
| Go to next / previous editor tab | Alt + Right / Left |
| Go back to previous tool window | F12 |
| Go to editor (from tool window) | Esc |
| Hide active or last active window | Shift + Esc |
| Close active tool windows tab | Ctrl + Shift + F4 |
| Go to line | Ctrl + G |
| Recent files popup | Ctrl + E |
| Navigate back / forward | Ctrl + Alt + Left / Right |
| Navigate to last edit location | Ctrl + Shift + Backspace |
| Select current file or symbol in any view | Alt + F1 |
| Go to related symbol | Ctrl + Alt + Home |
| Go to declaration | Ctrl + B, Ctrl + Click |
| Go to definition | Ctrl + Alt + B |
| Open quick definition lookup | Ctrl + Shift + I |
| Go to base class / base function | Ctrl + U |
| Go to previous / next function | Alt + Up / Down |
| Move to code block end / start | Ctrl + ] / [ |
| File structure popup | Ctrl + F12 |
| Type / Call hierarchy | Ctrl + H / Ctrl + Alt + H |
| Next / previous highlighted error | F2 / Shift + F2 |
| Toggle bookmark / with mnemonic | F11 / Ctrl + F11 |
| Go to numbered bookmark | Ctrl + 0...Ctrl + 9 |
| Show bookmarks | Shift + F11 |

## VCS / LOCAL HISTORY

| | |
|---|---|
| Commit project to VCS | Ctrl + K |
| Update project from VCS | Ctrl + T |
| View recent changes | Shift + Alt + C |
| VCS quick popup | Alt + BackQuote (`) |

## COMPILE AND RUN

| | |
|---|---|
| Build project | Ctrl + F9 |
| Run / Debug | Shift + F10 / F9 |
| Select configuration and run / debug | Alt + Shift + F10 / F9 |

## REFACTORING

| | |
|---|---|
| Refactor this | Ctrl + Alt + Shift + T |
| Copy / Move | F5 / F6 |
| Safe delete | Alt + Delete |
| Rename / Change Signature | Shift + F6 / Ctrl + F6 |
| Inline | Ctrl + Alt + N |
| Extract function | Ctrl + Alt + M |
| Introduce variable | Ctrl + Alt + V |
| Introduce parameter | Ctrl + Alt + P |
| Introduce constant | Ctrl + Alt + C |
| Introduce define | Ctrl + Alt + D |

## DEBUGGING

| | |
|---|---|
| Step into | F7 |
| Step over / out | F8 / Shift + F8 |
| Run to cursor | Alt + F9 |
| Evaluate expression | Alt + F8 |
| Resume program | F9 |
| Toggle breakpoint | Ctrl + F8 |
| View breakpoints | Ctrl + Shift + F8 |

## LIVE TEMPLATES

| | |
|---|---|
| Surround the selection with Live Template | Ctrl + Alt + J |
| Insert Live Template | Ctrl + J |
| Indexed for (;;) loop | for |
| Iterate range (C++11) | iter |
| Iterate using begin / end member functions | itit |
| In CMake include directories with Boost | incboost |
| In CMake create new function definition | function |

## GENERAL

| | |
|---|---|
| Open corresponding tool window | Alt + 0...Alt + 9 |
| Hide all tool windows | Ctrl + Shift + F12 |
| Add to favorites | Alt + Shift + F |
| Inspect current file | Alt + Shift + I |
| Quick switch current scheme | Ctrl + BackQuote (`) |
| Open settings dialog | Ctrl + Alt + S |

To find any action inside the IDE use Find action **Ctrl + Shift + A**