# Visual Studio Windows IDE shortcuts

## CONCEPTS

Ctrl+Q finds any menu command, option or setting by name: use it when a shortcut slips your mind.

Chords like Ctrl+K Ctrl+C: press Ctrl+K, release, press Ctrl+C. Keys shown are the General profile; other profiles (e.g. Visual C#) differ.

**Solution** .sln / .slnx, what you open
**Project** builds one assembly or app
**Item** source file, resource, config

Look up or rebind any shortcut under Tools > Options > Environment > Keyboard.

## FILES & PROJECTS

Ctrl + S Save

Ctrl + Shift + S Save all

Ctrl + Shift + N New project

Ctrl + Shift + A
Add new item to project

## SEARCH

Ctrl + F Quick find in file

Ctrl + H Quick replace

Ctrl + Shift + F Find in files

Ctrl + ;
Search Solution Explorer

## GO TO

Ctrl + T / Ctrl + ,
Go to all: files, types, members

Ctrl + G Go to line

Ctrl + 1 › Ctrl + F Go to file

## NAVIGATE CODE

F12 Go to definition

Shift + F12 Find all references

Ctrl + - / Ctrl + Shift + -
Navigate back / forward

## NAVIGATE CODE (cont.)

Ctrl + F12
Go to implementation

Alt + F12 Peek definition inline

## EDIT

Ctrl + Z / Ctrl + Y
Undo / redo

Alt + Up / Alt + Down
Move line up / down

Ctrl + D
Duplicate line or selection

Ctrl + K › Ctrl + C
Comment selection

Ctrl + K › Ctrl + U
Uncomment selection

Ctrl + / Toggle line comment

Ctrl + L Cut line

Ctrl + Shift + L Delete line

Ctrl + M › Ctrl + M
Toggle fold at cursor

## INTELLISENSE

Ctrl + Space Complete word

Ctrl + J List members

Ctrl + Shift + Space
Parameter info

## MULTI-CARET

Ctrl + Alt + Click Add a caret

Shift + Alt + .
Add caret at next match

Shift + Alt + ;
Add carets at all matches

Shift + Alt + Arrows
Box (column) selection

## REFACTOR & FORMAT

Ctrl + .
Quick actions and refactorings

Ctrl + R › Ctrl + R
Rename symbol

## REFACTOR & FORMAT (cont.)

Ctrl + K › Ctrl + D
Format document

Ctrl + K › Ctrl + E
Run code cleanup

Ctrl + R › Ctrl + M
Extract method

Ctrl + R › Ctrl + G
Remove and sort usings

## BUILD, RUN & TEST

Ctrl + Shift + B Build solution

F5 Start with debugger

Ctrl + F5
Start without debugging

Shift + F5 Stop debugging

Ctrl + Alt + P
Attach to process

Ctrl + R › T
Run tests in context

Ctrl + R › A Run all tests

## DEBUG

F9 Toggle breakpoint

### Stepping

| Key | Action |
|---|---|
| F10 | Step over |
| F11 | Step into |
| Shift+F11 | Step out |
| Ctrl+F10 | Run to cursor |

Shift + F9
QuickWatch on expression

Ctrl + F9
Enable / disable breakpoint

Ctrl + Alt + I
Immediate window

Ctrl + Alt + C Call stack

## WINDOWS & TABS

Ctrl + Alt + L Solution Explorer

Ctrl + \ › Ctrl + E Error List

Ctrl + F4 Close document