Visual Studio Code

Shortcuts

- ⌘ + /; comment in/out
- ⌘ + ⇧ + p; command palette
- ⌘ + p; search
- ∧ + ⇧ + `; Terminal

Editing

Key	Description
⌥+Arrow Key(←◀,→ ►)	Word
⌥+Arrow Key(↑▲, ↓▼)	Home, End
∧+Arrow Key	Switching between applications
<fn>+↑▲, ↓▼	PageUp, PageDn
⌘+↑▲, ↓▼	Begin of the Text, End of Text
⌘+←◀, →►	Begin of the Line, End of Line
⌥+↩	Chinese input
<fn>+⌫	Work as MS Windows delete key

Action	Key	Descriptions
Move Backward by Word	⌥+←	
Move Forward by Word	⌥+→	
Home (Begin of the Line)	⌥+↑	
End (End of the Line)	⌥+↓	
PageUp	<fn>+↑	doesn't follow carrot
PageDown	<fn>+↓	doesn't follow carrot
PageUp	⌥+<fn>+↑	follow carrot
PageDown	⌥+<fn>+↓	follow carrot
Move to Begin of the Text	⌘+↑	
Move to End of the Text	⌘+↓	
Move to Begin of the Line	⌘+←	
Move to End of the Line	⌘+→	
Change to Hanja(Chinese input)	⌥+↩	
Delete (Work as a MS Windows delete key)	<fn>+⌫	

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Settings

Basic Extentions

- Code Runner Code Runner(Jun Han)
- REST Client REST Client(Huachao Mao)
- Vim Vim(vscodevim)

JAVA(SPRING FRAMEWORK)

1. Install JDK
2. Install VS Code Extentions
    - Java Extension Pack Extension Pack for Java(Microsoft);
        - Language Support for Java™ by Red Hat(Red Hat)
        - Debugger for Java(Microsoft)
        - Test Runner for Java(Microsoft)
        - Maven for Java(Microsoft)
        - Project Manager for Java(Microsoft)
        - Visual Studio IntelliCode(Microsoft)
        - Visual Studio IntelliCode, Language Support for Java, Debugger for Java, Maven for Java, Java Test Runner, Project Manager for Java
    - Lombok Annotations Support for VS Code Lombok Annotations Support for VS Code(Gabriel Basilio Brito)
    - Gradle Extension Pack Gradle Extension Pack(Richard Willis)
        - Gradle Extension Pack(Richard Willis)
        - Gradle for Java(Microsoft)
        - ; Gradle Language Support, Gradle for Java
    - Spring Boot Extension Pack(Pivotal)
        - Spring Boot Tools(Pivotal)
        - Spring Initializr Java Support(Microsoft)
        - Spring Boot Dashboard(Microsoft)
    - Tomcat??
    - Checkstyle for Java??
    - ~~Java Dependency Viewer~~??
    - Java IDE??
    - Spring Initializr Java Support??
    - Spring Boot Tools??
    - Sprint Boot Dashboard???

- Debugger for Java (Microsoft) Debugger for Java
- Extension Pack for Java (Microsoft) Extension Pack for Java
- Language Support for Java(TM) by Red Hat (Red Hat) Language support for Java ™ for Visual Studio Code
- Maven for Java (Microsoft) Maven for Java
- Project Manager for Java (Microsoft) Project Manager for Java
- Test Runner for Java (Microsoft) Test Runner for Java

NODE.JS

1. Install Node.js
2. Install VS Code Extentions
    - Node.js Extension Pack (Wade Anderson)
    - npm (Microsoft)
    - npm Intellisense (Christian Kohler)
    - Path Intellisense (Christian Kohler)
    - Search node_modules (Jason Nutter)

JavaScript

- CodeRunner, Live Server
- Run; F5, Ctrl + F5, Ctrl + Alt + N (CodeRunner)
- Live Server;
  - Open with Live Server; Alt + L, Alt + O
  - Stop Live Server; Alt + L, Alt + C
- ESLint (Dirk Baeumer) VS Code ESLint extension
- Turbo Console Log (ChakrounAnas)
- Disable eslint rule (WooodHead)
- JavaScript (ES6) code snippets (charalampos karypidis)
- vscode-js-import (wangtao0101)

TypeScript

- Run with Live Server; CTRL + ALT + N
- Run with F5; .vscode
  - launch.json

```
{
    "version": "0.2.0",
    "configurations": [
        {
            "type": "node",
            "request": "launch",
            "name": "Launch Program",
            "program":
"${workspaceFolder}/typescript/out/hello.js",
            "outFiles": ["${workspaceFolder}/**/*.js"]
        }
    ]
}
```

  - tasks.json; Start ts-watch, CTRL + SHIFT + B

```
{
    "version": "2.0.0",
    "tasks": [
        {
            "type": "typescript",
            "tsconfig": "tsconfig.json",
            "option": "watch",
            "problemMatcher": [
                "$tsc-watch"
            ],
            "group": "build"
        }
    ]
}
```

- Run with nodemon (live compile environment);

```
$ npm install ts-node --save-dev
$ npm install nodemon --save-dev
```

  - package.json

```
{
  "name": "typescript",
  "version": "1.0.0",
  "description": "",
  "main": "index.js",
  "scripts": {
    "start": "npm run build:live",
    "build": "tsc -p .",
    "build:live": "nodemon --watch '*.ts' --exec 'ts-node'
hello.ts",
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "keywords": [],
  "author": "",
  "license": "ISC",
  "devDependencies": {
    "nodemon": "^2.0.20",
    "ts-node": "^9.1.1",
    "typescript": "^4.2.4"
  }
}
```

- Comments in Typescript (s.albert)
- json2ts (Gregor Biswanger)
- Move TS - Move TypeScript files and update (tnrich)
- TSLint (Microsoft)
- TypeScript Extension Pack (Loiane Groner)
- TypeScript Hero (Christoph Bühler)
- TypeScript Importer (pmneo)
- TypeScript Toolbox (DSKWRK)

Vue.js

- Vetur (Pine Wu)
- Vue VS Code Extention Pack (sarah.drasner)
- Vue VSCode Snippets (sarah.drasner) Vue VSCode Snippets

React.js

- React Native Tools (Microsoft) React Native Tools

PYTHON

- Python - Microsoft Python extension for Visual Studio Code
- Pylint - Microsoft Pylint extension for Visual Studio Code
- Python Type Hint - njqdev Python Type Hint
- Python Extended - Taiwo Kareem Python Extended

ESP32

- Espressif IDF (Espressif Systems) ESP-IDF VS Code Extension

ARDUINO

- Arduino (Microsoft) Visual Studio Code extension for Arduino

C/C++

- Better C++ Syntax (Jeff Hykin)
- C/C++ (Microsoft) C/C++ for Visual Studio Code
- C/C++ Extension Pack (Microsoft) C/C++ Extension Pack
- C/C++ Themes (Microsoft) C/C++ Extension UI Themes
- CMake (twxs) CMake For VisualStudio Code
- CMake Tools (Microsoft) CMake Tools

PHP

- PHP Extension Pack (Xdebug)
  - PHP Debug (Xdebug)
  - PHP Intelephense (Ben Mewburn)

Themes

- **Material Icon Theme (Philipp Kief) Material Icon Theme**
- Palenight Theme (Olaolu Olawuyi)
- Community Material Theme (Equinusocio)
- Night Owl Theme (AncientLord)

Other Extensions

- C# (Microsoft) C# for Visual Studio Code (powered by OmniSharp)
- Doxygen Documentation Generator (Christoph Schlosser) Generate Doxygen Comments in VS Code
- DokuWiki (Etienne Faisant) DokuWiki README
- Excel Viewer (GrapeCity) Excel Viewer
- GitHub Pull Requests and Issues (GitHub)

- GitLens - Git supercharged (GitKraken)
- Korean Language Pack for Visual Studio Code (Microsoft) VS Code용 한국어 팩
- Live Share (Microsoft) Microsoft Visual Studio Live Share
- Live Share Audio (Microsoft) Visual Studio Live Share Audio
- ~~Markdown Preview Enhanced (Yiyi Wang)~~ **Markdown All in One (Yu Zhang)**
- ??Remote - Containers (Microsoft)
- Remote - SSH (Microsoft) Visual Studio Code Remote - SSH
- Remote - SSH:Editing Configuration Files (Microsoft) Visual Studio Code Remote - SSH: Editing Configuration Files
- Remote - WSL (Microsoft) WSL (Microsoft) Visual Studio Code WSL
- Remote Development (Microsoft) Visual Studio Code Remote Development Extension Pack
- ??SVG Viewer (cssho)
- ??Visual Studio Codespaces (Microsoft)
- Visual Studio IntelliCode (Microsoft) IntelliCode (Microsoft Visual Studio IntelliCode
- **REST Client (Huachao Mao)** REST Client
- [Deprecated] Debugger for Chrome (Microsoft)

- Auto Close Tag (Jun Han)
- Auto Rename Tag (Jun Han)
- Bookmarks (Alessandro Fragnani)
- Document This (oouo-diogo-perdigao)
- ESLint
- Formatting Toggle (tombonnike)
- Git History (Don Jayamanne)
- Highlight Matching Tag (vincaslt)
- HTML CSS Support (ecmel)
- IntelliCode
- jumpy (wmaurer)

- Prettier - Code formatter (Prettier)
- Sass (Syler)
- Source maps navigator (Vladimir Kotikov)
- Todo Tree (Gruntfuggly)
- Vetur

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