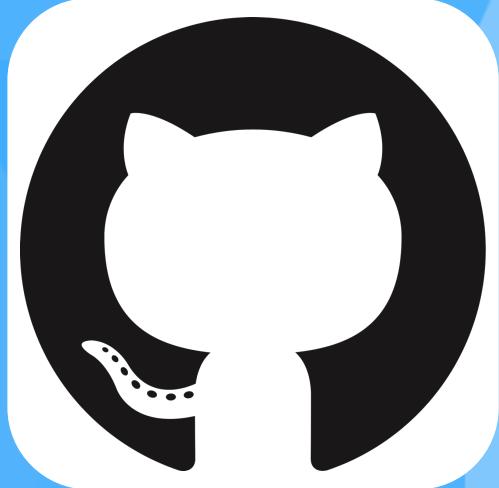




**HACKERS  
GROUND**



# GitHub 코드스페이스와 GitHub 코파일럿으로 개발 생산성 높이기

개발 컨테이너  
GitHub 코드스페이스  
GitHub 코파일럿  
실습

# 개발 컨테이너



# 다양한 개발 환경



Windows



Mac



Linux

근데 제 컴퓨터에서는 잘 돌아가그등여 🙏



어떻게 하면 모두  
같은 개발환경에서  
작업할 수 있을까?





컨테이너를  
개발 환경으로 만들어보자

# Development Containers

An open specification for enriching containers with development specific content and settings.

★ Star 1,116



containers.dev

## What are Development Containers?

A Development Container (or Dev Container for short) allows you to use a container as a full-featured development environment. It can be used to run an application, to separate tools, libraries, or runtimes needed for working with a codebase, and to aid in continuous integration and testing. Dev containers can be run locally or remotely, in a private or public cloud.

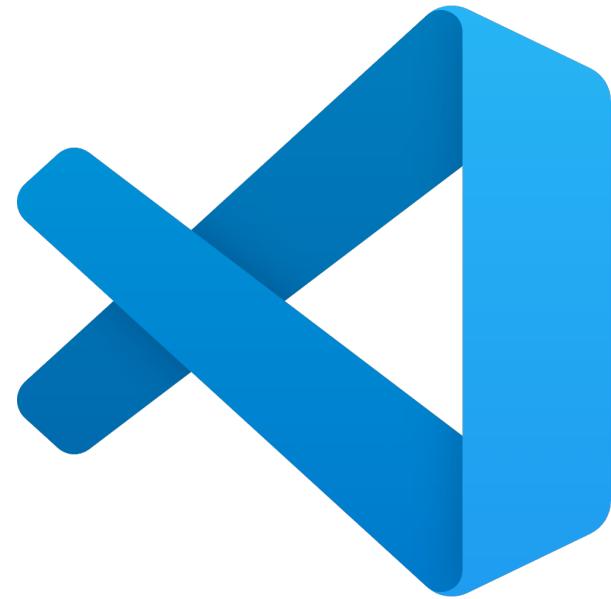
```
1  {
2      "name": "Go",
3      "build": {
4          "dockerfile": "Dockerfile",
5          "args": {
6              // Update the VARIANT arg to pick a version of Go: 1, 1.18, 1.17
7              // Append -bullseye or -buster to pin to an OS version.
8              // Use -bullseye variants on local arm64/Apple Silicon.
9              "VARIANT": "1-bullseye",
10             // Options
11             "NODE_VERSION": "lts/*"
12         }
13     },
14     "runArgs": [ "--cap-add=SYS_PTRACE", "--security-opt", "seccomp=unconfined" ],
15
16     // Configure tool-specific properties.
17     "customizations": {
18         // Configure properties specific to VS Code.
```

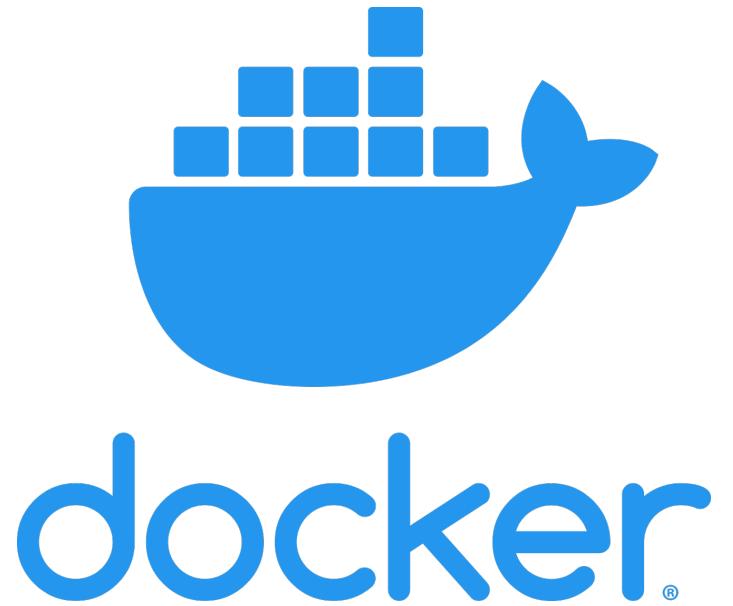
# 공통 개발 환경 설정

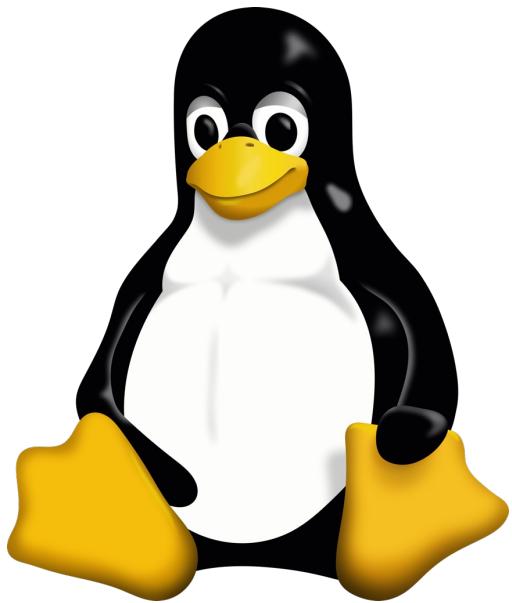
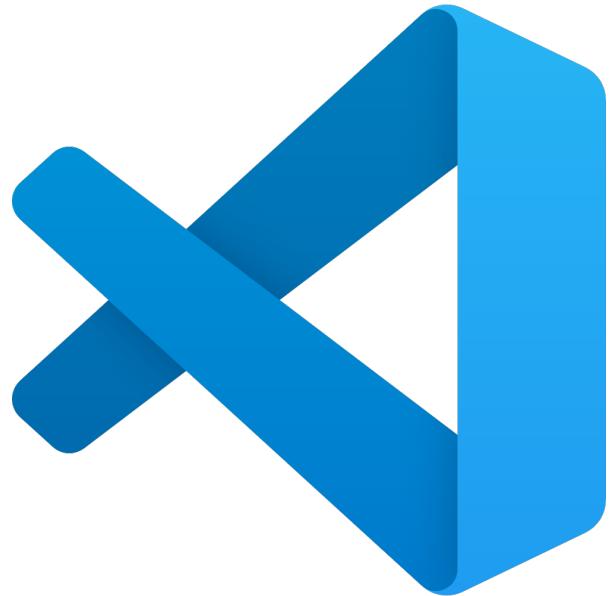
# 공통 개발 환경 설정

# 공통 개발 도구 구성

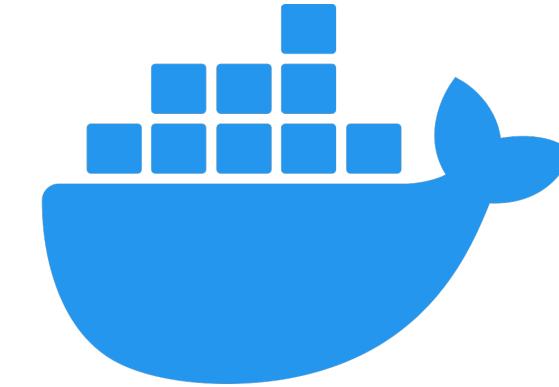
공통 개발 환경 설정  
공통 개발 도구 구성  
**동일 코딩 환경 제공**



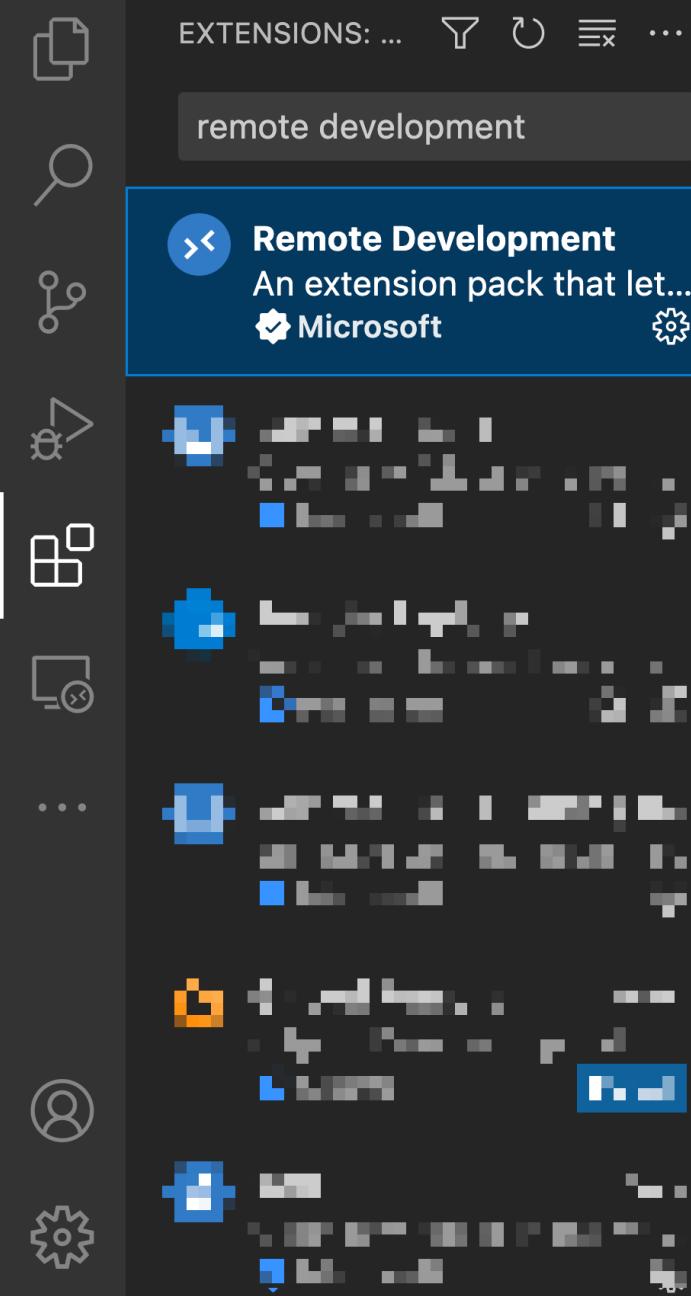




**WSL**



**docker**<sup>®</sup>



# Extension: Remote Development



## Remote Development v0.24.0 [Preview](#)

Microsoft  [microsoft.com](#) | ⚡ 3,663,450 | ★★★

An extension pack that lets you open any folder in a co...

[Disable](#) [Uninstall](#) [⚙️](#)

This extension is enabled globally.

DETAILS RUNTIME STATUS

### Extension Pack (4)



**WSL**  
Open any folder in the Windows Subsystem for Linux  
 Microsoft [⚙️](#)



**Dev Containers**  
Open any folder or repository inside a Docker container  
 Microsoft [⚙️](#)

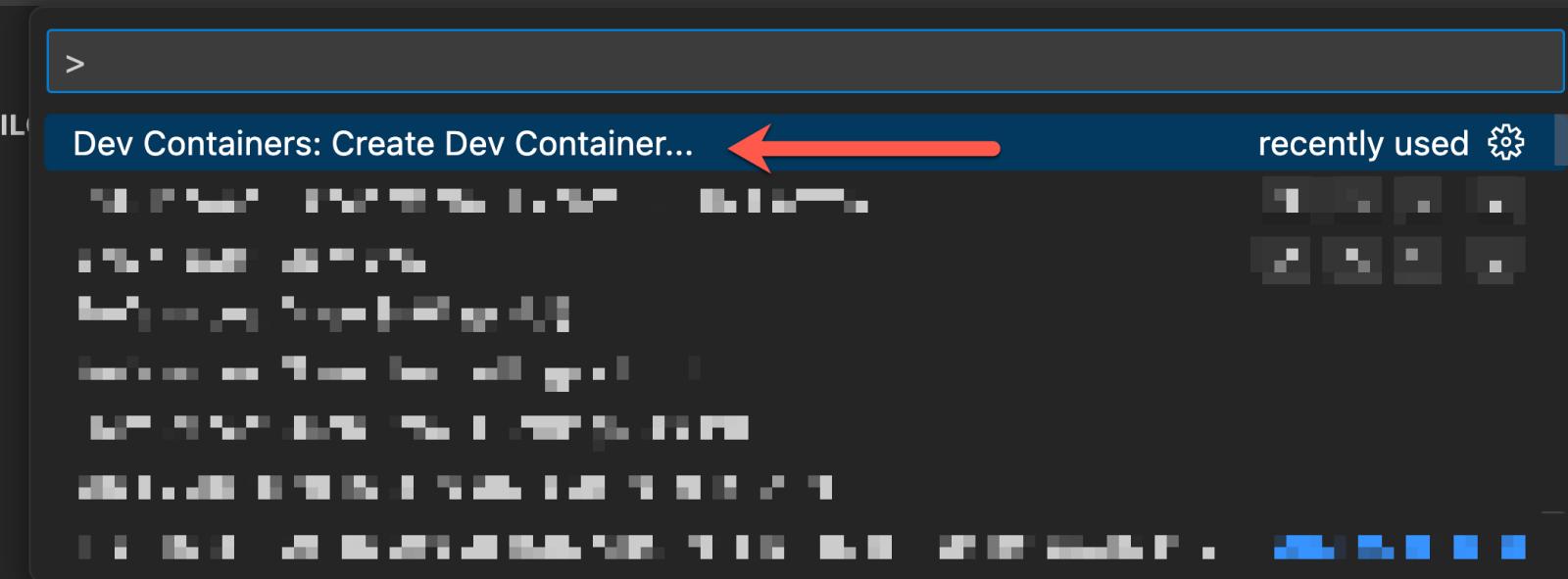
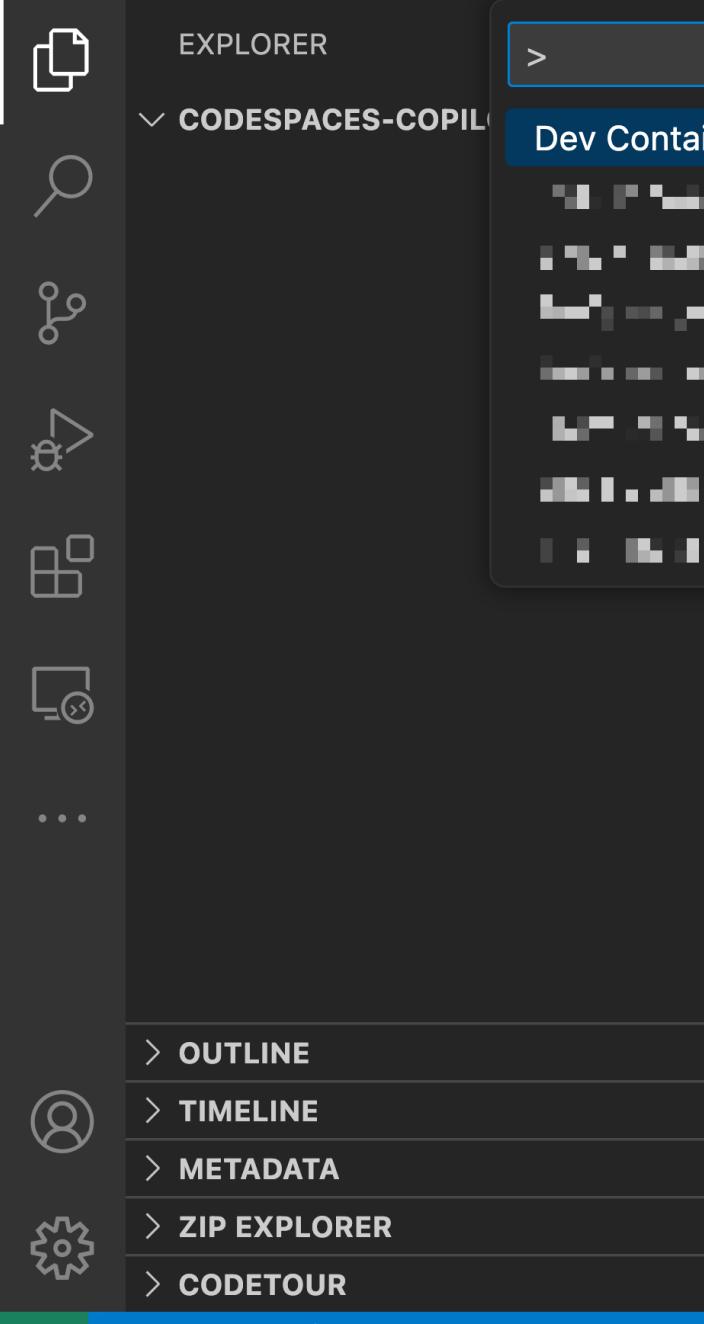
Categories

[Other](#) [Extension Packs](#)

---

Extension Resources

Marketplace Repository License



Show All Commands ⌘ P

Go to File ⌘ P

Find in Files ⌘ F

Start Debugging F5

Toggle Terminal ⌘ T



# GitHub 코드스페이스



# 개발 컨테이너 명세 구현체

**devcontainer.json**  
Dockerfile  
custom-script.sh

# devcontainer.json

# devcontainer.json

# Dockerfile

`devcontainer.json`  
`Dockerfile`  
`custom-script.sh`

# GitHub 코파일럿



# GPT-3 기반의 생성 모델

인기있는 언어일수록 고퀄



짝코딩 파트너

코드 리뷰 반드시 필요함

Bing AI로 코드의 큰 틀 잡고  
GitHub 코파일럿으로 세부 로직 잡고

# 실습



[aka.ms/hg/hol/2](https://aka.ms/hg/hol/2)



GitHub 코드스페이스 설정  
ASP.NET Core Web API 개발  
Azure Bicep 개발  
GitHub Actions 개발

# GitHub 코드스페이스 설정

ASP.NET Core Web API 개발  
Azure Bicep 개발  
GitHub Actions 개발

GitHub  
코파일럿

# 마무리





개발 컨테이너  
GitHub 코드스페이스  
GitHub 코파일럿

[aka.ms/hg/hol/2](https://aka.ms/hg/hol/2)





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