

# 機能拡張追加

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## フロントエンド

Prettier: code formatter(任意)

コードフォーマッタ。各種コードの構文に対応。必須ではないが、非常に有用。



## バックエンド

Java Extention Pack(必須)



**Java Extension Pack** `vscjava.vscode-java-pack` レビュー

Microsoft | 4,419,019 | ★★★★★ | リポジトリ | ライセンス | 0.9.1

Popular extensions for Java development and more.

[無効にする](#) [アンインストール](#) This extension is enabled globally.

[詳細](#) [機能のコントリビューション](#) [変更ログ](#)

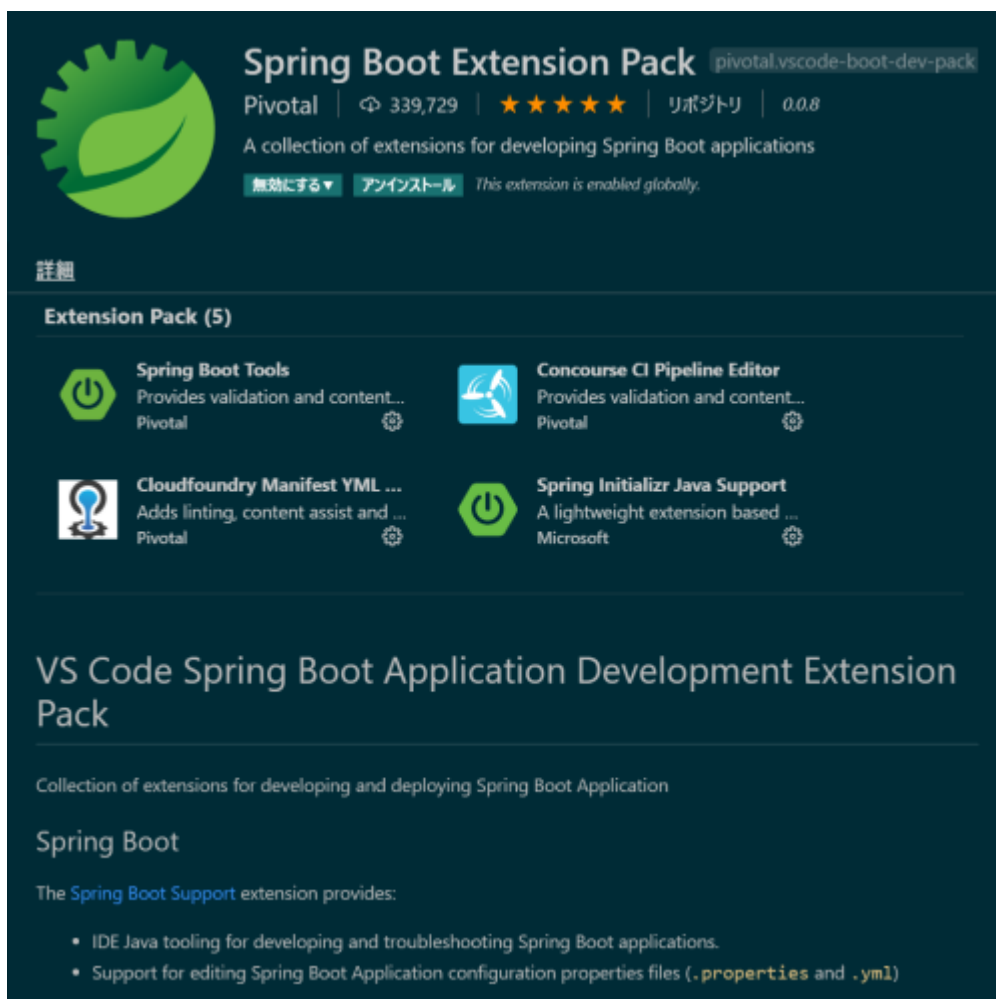
**Extension Pack (6)**


-  **Language Support for Java(TM)**  
Java Linting, Intellisense, format...  
Red Hat
-  **Debugger for Java**  
A lightweight Java debugger fo...  
Microsoft
-  **Java Test Runner**  
Run and debug JUnit or TestNG...  
Microsoft
-  **Visual Studio IntelliCode**  
AI-assisted development  
Microsoft [インストール](#)

**Java Extension Pack**

Java Extension Pack is a collection of popular extensions that can help write, test and debug Java applications in Visual Studio Code. Check out [Java in VS Code](#) to get started.

## Spring Boot Extension Pack(必須)



 **Spring Boot Extension Pack** `pivotal.vscode-boot-dev-pack`


Pivotal | 339,729 | ★★★★★ | リポジトリ | 0.0.8

A collection of extensions for developing Spring Boot applications

[無効にする](#) [アンインストール](#) This extension is enabled globally.

[詳細](#)

**Extension Pack (5)**

-  **Spring Boot Tools**  
Provides validation and content...  
Pivotal
-  **Concourse CI Pipeline Editor**  
Provides validation and content...  
Pivotal
-  **Cloudfoundry Manifest YML ...**  
Adds linting, content assist and ...  
Pivotal
-  **Spring Initializr Java Support**  
A lightweight extension based ...  
Microsoft

**VS Code Spring Boot Application Development Extension Pack**

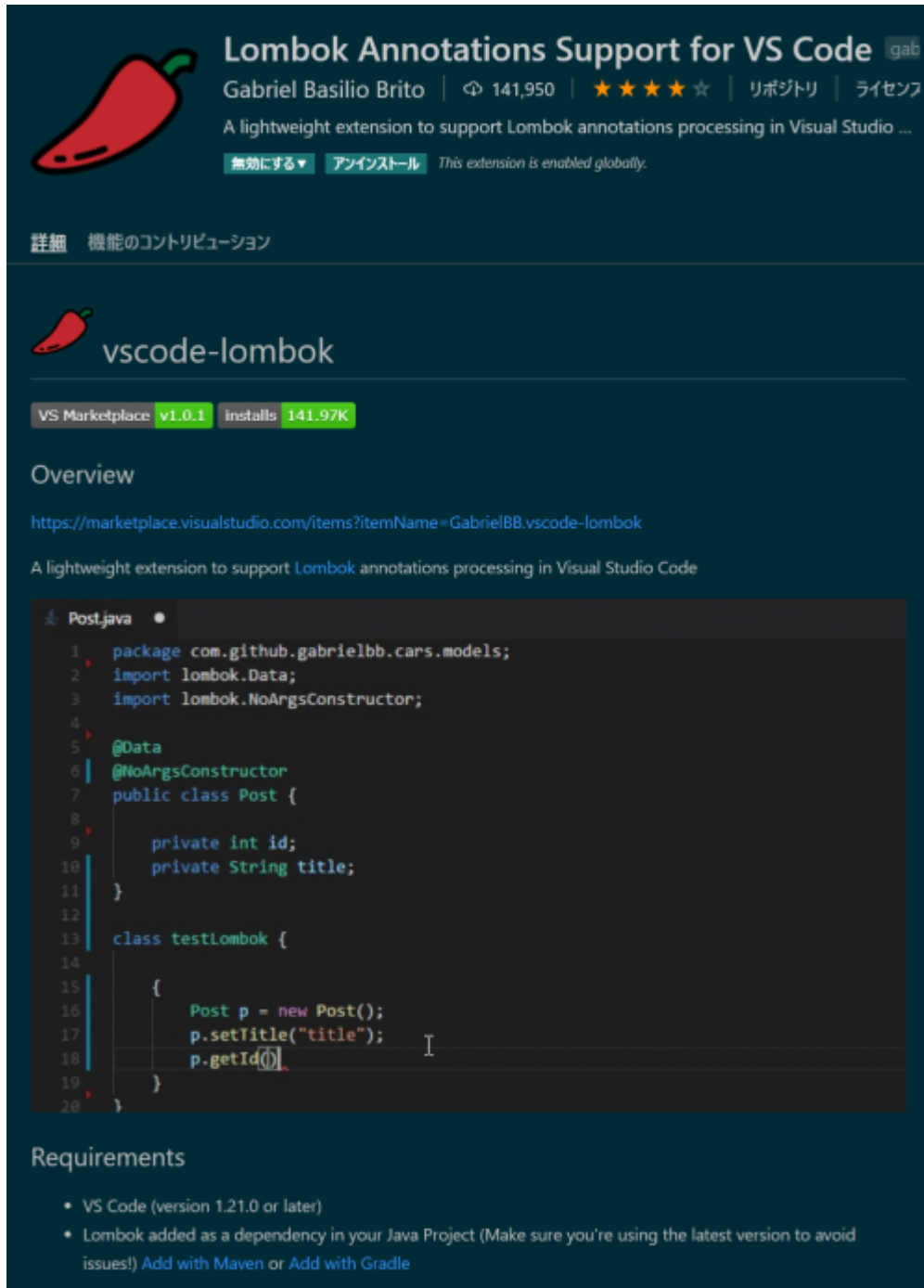
Collection of extensions for developing and deploying Spring Boot Application

**Spring Boot**

The [Spring Boot Support](#) extension provides:

- IDE Java tooling for developing and troubleshooting Spring Boot applications.
- Support for editing Spring Boot Application configuration properties files (`.properties` and `.yml`)

## Lombok Annotation Support(必須)



**Lombok Annotations Support for VS Code** gab


Gabriel Basilio Brito | 141,950 | ★★★★★ | リポジトリ | ライセンス

A lightweight extension to support Lombok annotations processing in Visual Studio ...

無効にする ▼ | アップグレード | This extension is enabled globally.

詳細 | 機能のコントリビューション

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 **vscode-lombok**

VS Marketplace | **v1.0.1** | installs | **141.97K**

### Overview

<https://marketplace.visualstudio.com/items?itemName=GabrielBB.vscode-lombok>

A lightweight extension to support Lombok annotations processing in Visual Studio Code

```
Post.java
1 package com.github.gabrielbb.cars.models;
2 import lombok.Data;
3 import lombok.NoArgsConstructor;
4
5 @Data
6 @NoArgsConstructor
7 public class Post {
8
9     private int id;
10    private String title;
11 }
12
13 class testLombok {
14
15     {
16         Post p = new Post();
17         p.setTitle("title");
18         p.getId();
19     }
20 }
```

### Requirements

- VS Code (version 1.21.0 or later)
- Lombok added as a dependency in your Java Project (Make sure you're using the latest version to avoid issues!) [Add with Maven](#) or [Add with Gradle](#)

## DB TOOLS

### MySQL(任意)

VS CODEからSQLを実行できる。検索結果も表形式で表示可能。




The screenshot shows the MySQL extension page in the VS Code Marketplace. At the top, there is a blue database icon and the text "MySQL" with the publisher "formulahendry.vscode-mysql". Below this, it says "Jun Han" with a download count of 390,210, a star rating of 4.5 (represented by four stars and a half star), and a version of 0.4.0. The description "MySQL management tool" is followed by buttons for "無効にする" (Disable) and "アンインストール" (Uninstall), with a note "This extension is enabled globally." Below the main header, there are links for "詳細" (Details), "機能のコントリビューション" (Contribute), and "変更ログ" (Changelog). The main section is titled "MySQL" and includes a summary bar with "VS Marketplace v0.4.0", "installs 390.24K", "rating 3.96/5 (24)", and "build passing". The description "MySQL management tool" is repeated. Under the "Features" section, a list of capabilities is provided:

- Manage MySQL Connections (support SSL connection)
- List MySQL Servers
- List MySQL Databases
- List MySQL Tables
- List MySQL Columns
- Run MySQL Query

## Docker

### Docker(必須)

コマンドラインからも操作できるが、GUIで操作できるのでわかりやすい。



# Docker

Microsoft | 4,624,840 | ★★★★★ | リポジトリ | ライセンス | 1.2.1

Makes it easy to create, manage, and debug containerized applications.

無効にする ▼ アップグレード This extension is enabled globally.

Kubernetes がインストールされているため、この拡張機能をお勧めします。 Ignore Recommendation

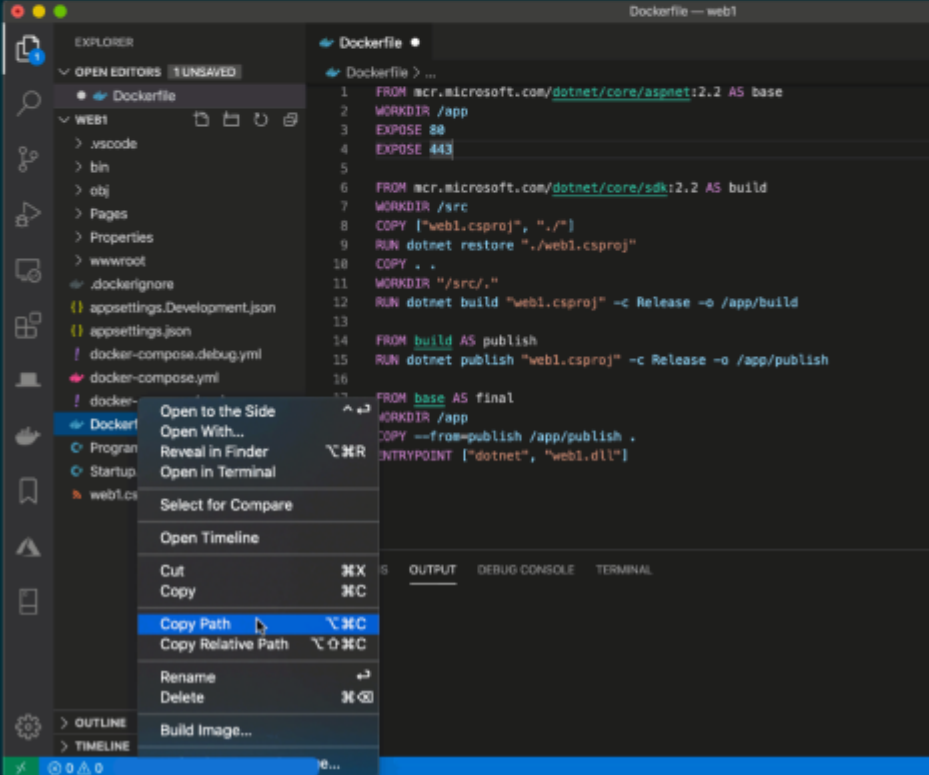
[詳細](#)
[機能のコントリビューション](#)
[変更ログ](#)
[依存関係](#)

## Docker for Visual Studio Code

Visual Studio Marketplace v1.2.1 installs 4.63M

Azure Pipelines succeeded

The Docker extension makes it easy to build, manage, and deploy containerized applications from Visual Studio Code. It also provides one-click debugging of Node.js, Python, and .NET Core inside a container.



The screenshot shows the Visual Studio Code interface with the Docker extension installed. The Explorer view on the left shows the project structure, including a 'web1' folder. The Dockerfile editor is open, showing a Dockerfile for a .NET Core application. The Dockerfile content is as follows:

```

1 FROM mcr.microsoft.com/dotnet/core/aspnet:2.2 AS base
2 WORKDIR /app
3 EXPOSE 80
4 EXPOSE 443
5
6 FROM mcr.microsoft.com/dotnet/core/sdk:2.2 AS build
7 WORKDIR /src
8 COPY ["web1.csproj", "."]
9 RUN dotnet restore "./web1.csproj"
10 COPY . .
11 WORKDIR "/src/"
12 RUN dotnet build "web1.csproj" -c Release -o /app/build
13
14 FROM build AS publish
15 RUN dotnet publish "web1.csproj" -c Release -o /app/publish
16
17 FROM base AS final
18 WORKDIR /app
19 COPY --from=publish /app/publish .
20 ENTRYPOINT ["dotnet", "web1.dll"]

```

A context menu is open over the 'Dockerfile' file in the Explorer, showing options such as 'Open to the Side', 'Open With...', 'Reveal in Finder', 'Open in Terminal', 'Select for Compare', 'Open Timeline', 'Cut', 'Copy', 'Copy Path', 'Copy Relative Path', 'Rename', 'Delete', and 'Build Image...'. The 'Copy Path' option is currently selected.