

Files and Directories

Devcontainer specific files are in the `.devcontainer` directory at the root of the project.

The main configuration file is `devcontainer.json` in the `.devcontainer` directory.

[mcr.microsoft.com/vscode/devcontainers/...](https://mcr.microsoft.com/vscode/devcontainers/)

base	python	ruby	dotnet
javascript-node	cpp	go	anaconda
typescript-node	php	java	miniconda
universal	rust	dotnetcore	jekyll

Dockerfile tag list

<https://mcr.microsoft.com/v2/vscode/devcontainers/base/tags/list>

ⓘ `debian-10` ("buster") and `ubuntu-20.04` ("focal") are not always available for the ARM64 architecture (Mac M1)

`.devcontainer`

<code>image</code>	string	Name of the image in a container registry
<code>build.dockerfile / dockerfile</code>	string	Location of the Dockerfile that defines the contents of the container
<code>dockerComposeFile</code>	string, array	Path or an ordered list of paths to Docker Compose files relative to the <code>devcontainer.json</code> file
<code>service</code>	string	Name of the service VS Code should connect to once running

See <https://code.visualstudio.com/docs/remote/devcontainerjson-reference> for a complete reference.

Simple `.devcontainer` with Docker image

```
{
  "name": "Go Demo",
  "image": "mcr.microsoft.com/vscode/devcontainers/go:1.18-bullseye"
}
```

`.devcontainer` with Dockerfile

```
{
  "name": "Dockerfile Example",
  "build": {
    "dockerfile": "Dockerfile"
  }
}
```



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.devcontainer with docker-compose

```
{
  "name": "Docker Compose Example",
  "dockerComposeFile": "docker-compose.yml",
  "service": "service-to-start-in-vscode",
  "workspaceFolder": "/workspace",
  "shutdownAction": "stopCompose",
  "settings": {},
  "extensions": [
    "ms-vscode.cpptools"
  ]
}
```

VS Code Command Palette (>remote-containers:...)

Reopen in Container

Reopen Folder Locally

Rebuild Container

Rebuild Container Without Cache

Useful links

[Developing inside a Container](#)

[Microsoft Container Registry \(MCR\)](#)

[Create a development container](#)

[Git Repository of Dockerfiles](#)

[devcontainer.json reference](#)

[Fribourg Linux Seminar Presentation](#)



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