

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/...

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"
  }
}
```



By **supcik**
cheatography.com/supcik/

Published 13th May, 2022.
Last updated 13th May, 2022.
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.devcontainer with docker-compose

```
{
  "name": " Docker Compose Example",
  "dockerComposeFile": " docker -co mpo se.y ml ",
  "service": " ser vic e-t o-s tar t-i n-v sco de",
  "workspaceFolder": " /wo rks pac e",
  "shutdownAction": " sto pCo mpo se",
  "settings": {},
  "extensions": [
    " ms- vsc ode.cp to ols "
  ]
}
```

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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