

## 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

image	string	Name of the image in a container registry
build.dockerfile / docker File	string	Location of the Dockerfile that defines the contents of the container
docker ComposeFile	string, array	Path or an ordered list of paths to Docker Compose files relative to the <code>devcontainer.json</code> file
service	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-container",
  "workspaceFolder": "/workspace",
  "shutdownAction": "stop-compose",
  "settings": {},
  "extensions": [
    "ms-vscode.cptools"
  ]
}
```

### 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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