DevContainer Cheat Sheet

by supcik via cheatography.com/101762/cs/32047/

Files and Directories

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

The main configuration file is `devcon tai ner.json` in the `.devco ntainer` 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.d oc kerfile` / `docker File`	string	Location of the Dockerfile that defines the contents of the container
`docker Com pos eFile`	string, array	Path or an ordered list of paths to Docker Compose files relative to the `devcon tai ner. json` 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

```
{
        " nam e": "Go Demo",
        " ima ge": " mcr.mi cro sof t.c om/ vsc ode /de vco nta ine rs/ go: 1.1 8-b ull sey e"
}
```

.devcontainer with Dockerfile

```
{
        " nam e": " Doc kerfile Exampl e",
        " bui ld": {
                " doc ker fil e": " Doc ker fil e"
       }
}
```



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

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.devcontainer with docker-compose

```
{
        " nam e": " Docker Compose Exampl e",
        " doc ker Com pos eFi le": " doc ker -co mpo se.y ml ",
        " ser vic e": " ser vic e-t o-s tar t-i n-v sco de",
        " wor ksp ace Fol der ": " /wo rks pac e",
        " shu tdo wnA cti on": " sto pCo mpo se",
        " set tin gs": {},
        " ext ens ion s": [
               " ms- vsc ode.cp pto 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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