

[Skip to main content](#)

r/docker



Search in r/docker

[Log In](#)

r/docker • 4 yr. ago
Some_Concentrate_598



Run script automatically after Docker container startup

Until now to automatically execute a script when starting the Docker container I always added at the end of my dockerfile a line with the command to run the script: CMD [myscript].

My problem is that for each new container I have to build a new image with the new script to run, while the dockerfiles are more or less the same (except the last line where I launch the script).

What can I do to avoid creating so many clone images just because I want to run a different script in each container?

Thanks for the help.



26



12



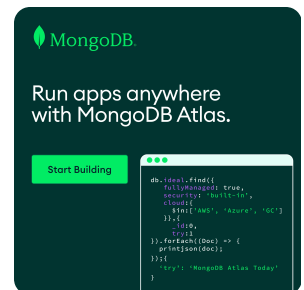
Share



MongoDB_ • Promoted



Ensure the availability of your data with coverage across AWS, Azure, and Google Cloud on MongoDB Atlas, the only multi-cloud database.

[Learn More](#)[mongodb.com](#)[Join the conversation](#)Sort by: **Best** ▾[Search Comments](#)

TheoR700 • 4y ago

[Skip to main content](#)[Log In](#)

```
image: ubuntu:21.04
working_dir: /path/to/where/you/want/to/mount/script/
volumes:
  - /host/path/to/directory/with/script:/path/to/where/you/want/to/mount/script/
command: [ "yourscript" ]
```

This is just a simple example of how you can mount the script into a container at runtime and define the command to run at runtime as well using `docker-compose`. You can do this using simple `docker run` command as well.

16 [Reply](#) ...



Some_Concentrate_598 OP • 4y ago

Thanks. I am now using this method :)

1 [Reply](#) ...



Sevynz13 • 1y ago

I'm getting permission denied in the container log when it tries to run the script. Any ideas?

1 [Reply](#) ...



GertVanAntwerpen • 4y ago

Use docker-compose, which can specify all kinds of settings used when the container is started, including the command to be executed inside the container.

7 [Reply](#) ...



[deleted] • 3y ago

do you have an example?

1 [Reply](#) ...

+ 3 more replies



ToranMallow • 4y ago

In situations where I need a common image with different startup behavior, I often create a base image that expects a directory to be mounted as a volume that contains a set of startup scripts. I bake a wrapper script into that base image to use in its CMD that executes every script it finds in that volume before it starts whatever service I want to run in the container. (If no scripts are found in that volume, it just proceeds to start the service.)

I then use that base image in a docker-compose project that wraps up all the specific scripts I need for that effort and ties in the script volume. The project is basically a docker-compose file and a directory of scripts.

[Skip to main content](#)[Log In](#)**Goldman7911** • 4y ago

The problem is just the clones images ? flag --rm fix it

If the base image is the same, why not use docker COPY in dockerfile and start the container with the desired script?

[Reply](#)

...

**Genesis2001** • 4y ago • Edited 4y ago

I think building a derived image is probably the overall simplest method; however, not everyone has access to or wants to set up a *private registry, especially if it's only a single image or container you're modifying.

You can override the command using [docker run](#) or use docker-compose to "mount" your script and then specify `command: "/path/to/my/cmd"` as the new command, as others pointed out.

Some images (like HashiCorp's products) make use of this as a way to force you to configure them properly (i.e., the default command is a dev environment in HashiCorp's images, which uses a non-persistent DB).

[Reply](#)

...

**Some_Concentrate_598** [OP](#) • 4y ago

I was thinking about docker HUB instead of registry but I think there is no possibility to push my image as "private".

[Reply](#)

...

[r/docker](#) • 7 mo. ago

Now I finally get why everyone's using Docker to deploy apps.

192 upvotes · 83 comments

[r/docker](#) • 10 mo. ago

How to edit a container after it's created, in Docker Desktop?

28 comments

[r/docker](#) • 8 mo. ago

How do I use docker-compose to connect a container's network to another container that was run via 'docker run'?

3 upvotes · 16 comments

[r/docker](#) • 1 yr. ago

[Skip to main content](#)[Log In](#) r/docker • 3 mo. ago

Noob: recreating docker containers

4 upvotes · 8 comments

 r/docker • 9 mo. ago

Beginner Seeking Advice: When to Use Docker and When to Avoid It?

5 upvotes · 45 comments

 r/docker • 7 mo. ago

How can you block a Docker container from being able to access the Internet, while still allowing connections from the local network?

37 upvotes · 15 comments

 r/debian • 4 yr. ago

Do I need to make a script if I want to run some commands at startup?

18 upvotes · 12 comments

 r/docker • 7 mo. ago

What's the best way to deploy remotely using docker?

6 upvotes · 9 comments

 r/docker • 5 mo. ago

Why do we need to delete both Docker Image Container and image?

5 upvotes · 11 comments

 r/docker • 7 mo. ago

Necessary to use Docker for personal projects?

18 upvotes · 41 comments

 r/docker • 4 yr. ago

Automate getting container start timestamp and piping to index.html

7 upvotes · 6 comments

 r/docker • 8 mo. ago

What are some good resources to learn docker and docker compose?

26 comments

[Skip to main content](#)[Log In](#)

4 upvotes · 39 comments



r/docker • 4 days ago

Cannot sign up to Docker in any way

4 comments



r/selfhosted • 4 yr. ago

How do you auto re-create docker containers on server reboot?

5 upvotes · 9 comments



r/networking • 4 yr. ago

Python script to check individual ports for specific command

30 upvotes · 22 comments



r/docker • 4 yr. ago

Extending LinuxServer.io containers?

27 upvotes · 22 comments



r/aws • 4 yr. ago

EC2 User Data Script is not running the last bash command which starts a python file on startup.

6 upvotes · 4 comments



r/Intune • 4 yr. ago

Deploy and execute an Batch file

3 upvotes · 4 comments



r/docker • 2 mo. ago

Learning Docker & Kubernetes from scratch

16 upvotes · 14 comments



r/docker • 4 yr. ago

How to keep Docker log files after container remove? [Docker Swarm]

4 upvotes · 6 comments



r/docker • 4 mo. ago

I built a Docker security tool to scan your images for leaked credentials

[Log In](#)

Is it possible to change the *default* application that opens a specific file, based on a pattern in the filename?

2 upvotes · 14 comments



r/docker • 2 mo. ago

Trying to master Docker? This summary might help

46 upvotes · 13 comments

TOP POSTS



Reddit

reReddit: Top posts of November 4, 2021



Reddit

reReddit: Top posts of November 2021



Reddit

reReddit: Top posts of 2021