Short Guide

Installing the CBGM Tool via Docker on Windows

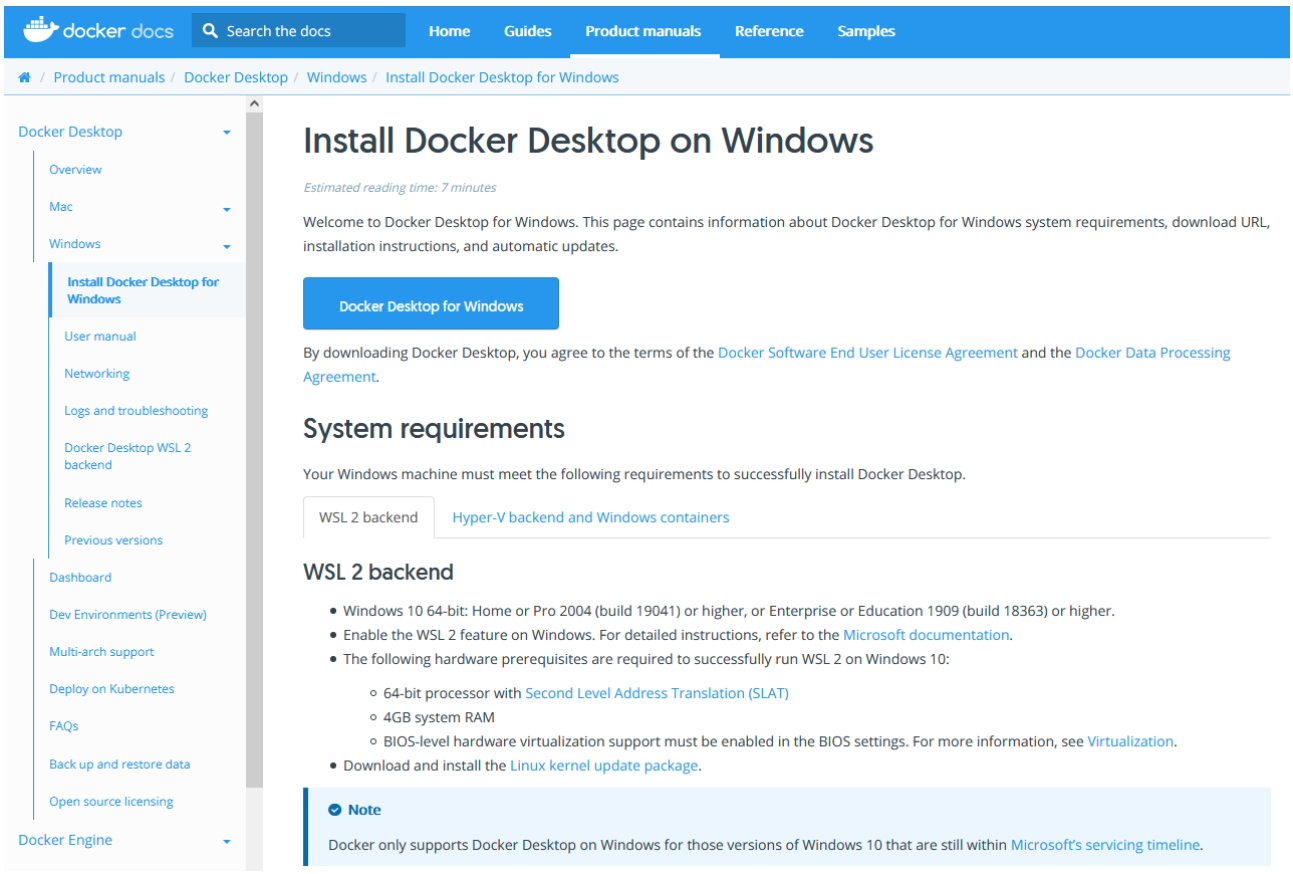
Requirements

- A CPU capable of virtualization (most modern CPUs can do that)
- Windows 10 Professional (Win 10 Home has no Hyper-V support)
- 2GB Disk space for Docker and approx. 600 MB disk space for CBGM
- Administrator Rights on your local machine (e.g. no Virtual Desktop)

Note: This guide was written on August, 4th 2021. Some links or tools be outdated in the future.

Step 1

Visit https://docs.docker.com/docker-for-windows/install/ and download Docker Desktop for Windows.



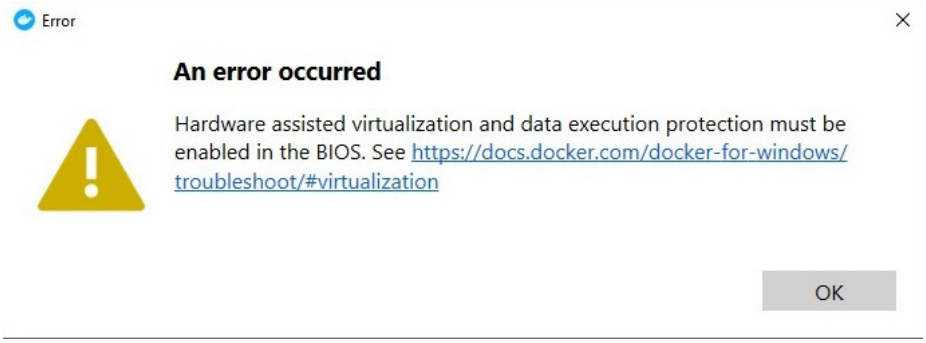
Step 2

Run „Docker Desktop Installer.exe“ and follow the instructions. Reboot.

Step 3

If you encounter an error concerning Virtualization in your BIOS Settings, follow the instructions at:
https://docs.docker.com/docker-for-windows/troubleshoot/#virtualization

In most cases: Restart your machine, then while booting, push a specific key to enter your BIOS, then search for „Virtualization“ and enable it. This can differ on various machines.

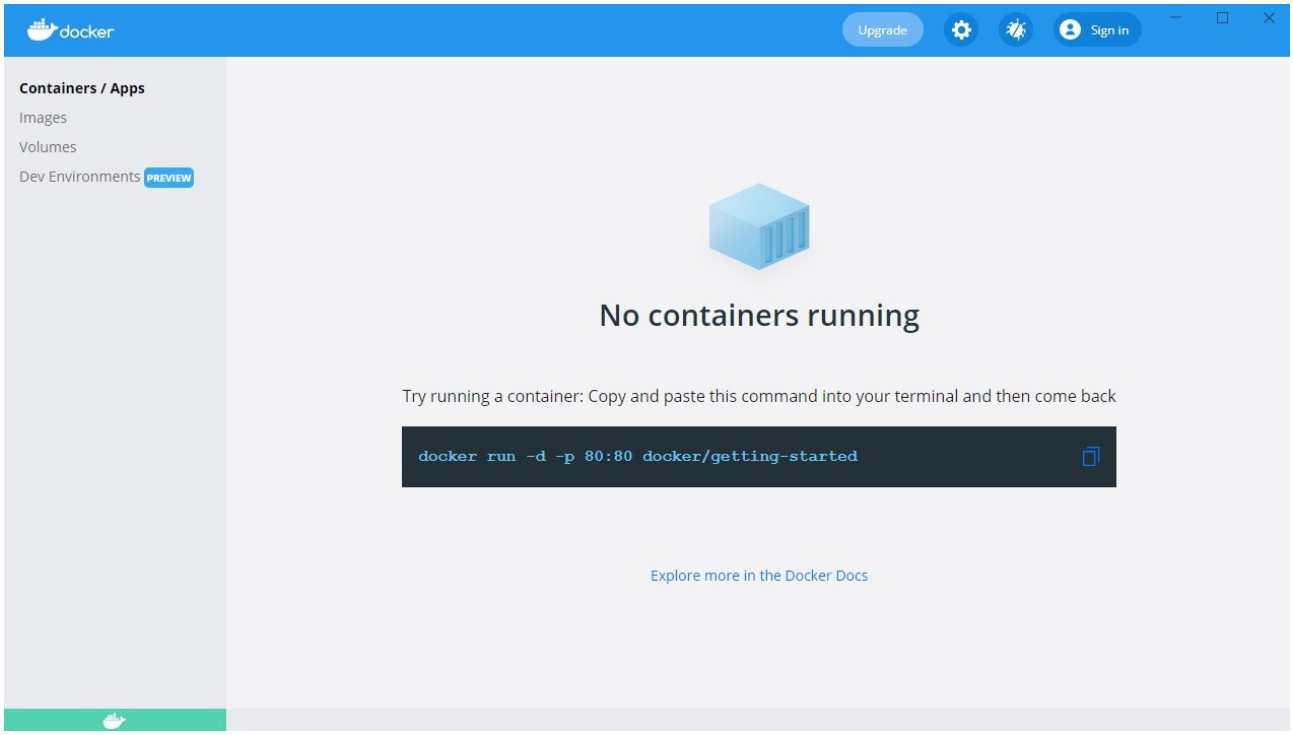


You may also encounter an error concerning WSL 2 (Windows-Subsystem Linux). If a „Microsoft .NET Framework“ errormessage shows up, just click on continue.

Visit https://docs.microsoft.com/de-de/windows/wsl/install-win10 and follow the instructions. You are instructed to download „wsl_update_x64.msi“ and execute it.

Step 4

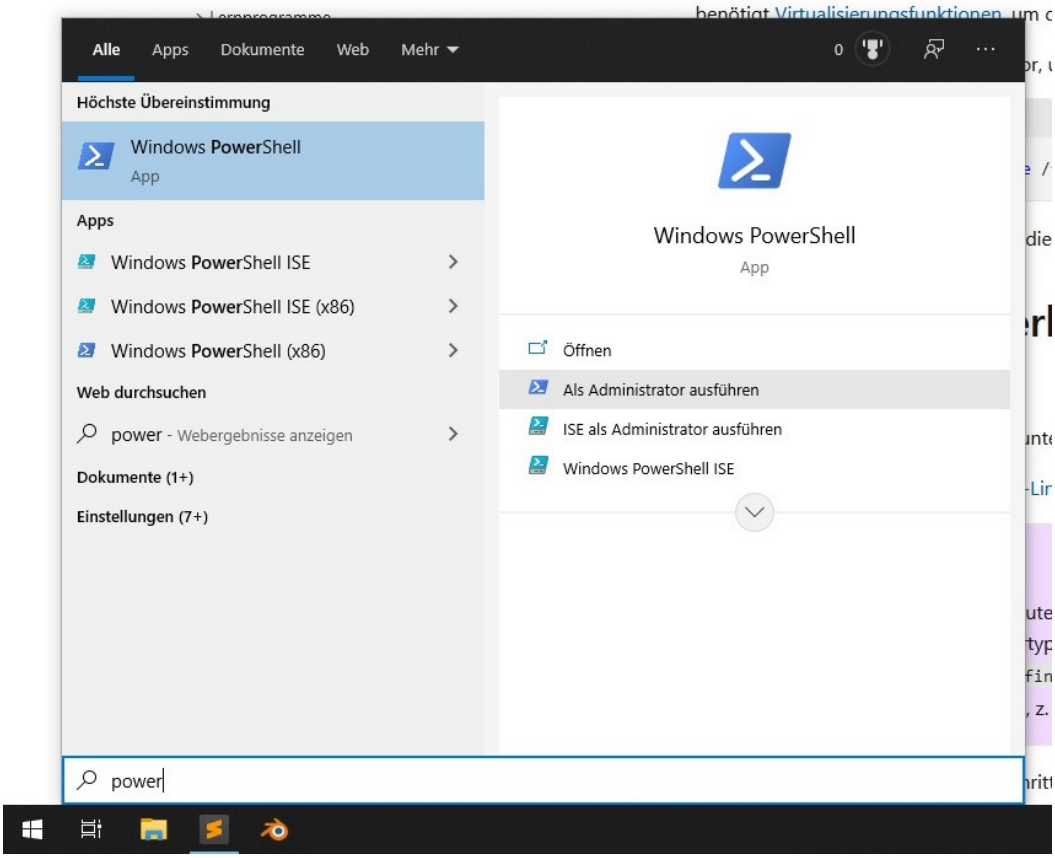
After rebooting, you should start Docker Desktop and see the following:



Visit https://hub.docker.com/r/scdh/intf-cbgm-app-server and copy the contents of the docker compose into a file anywhere in your file system and name the file „docker-compose.yml“.

Step 5

Start „PowerShell“ as Administrator (you can hit the Windows Key and start typing „power“).



Step 6

Inside the PowerShell change to the folder where your „docker-compose.yml“ file was saved. E.g.

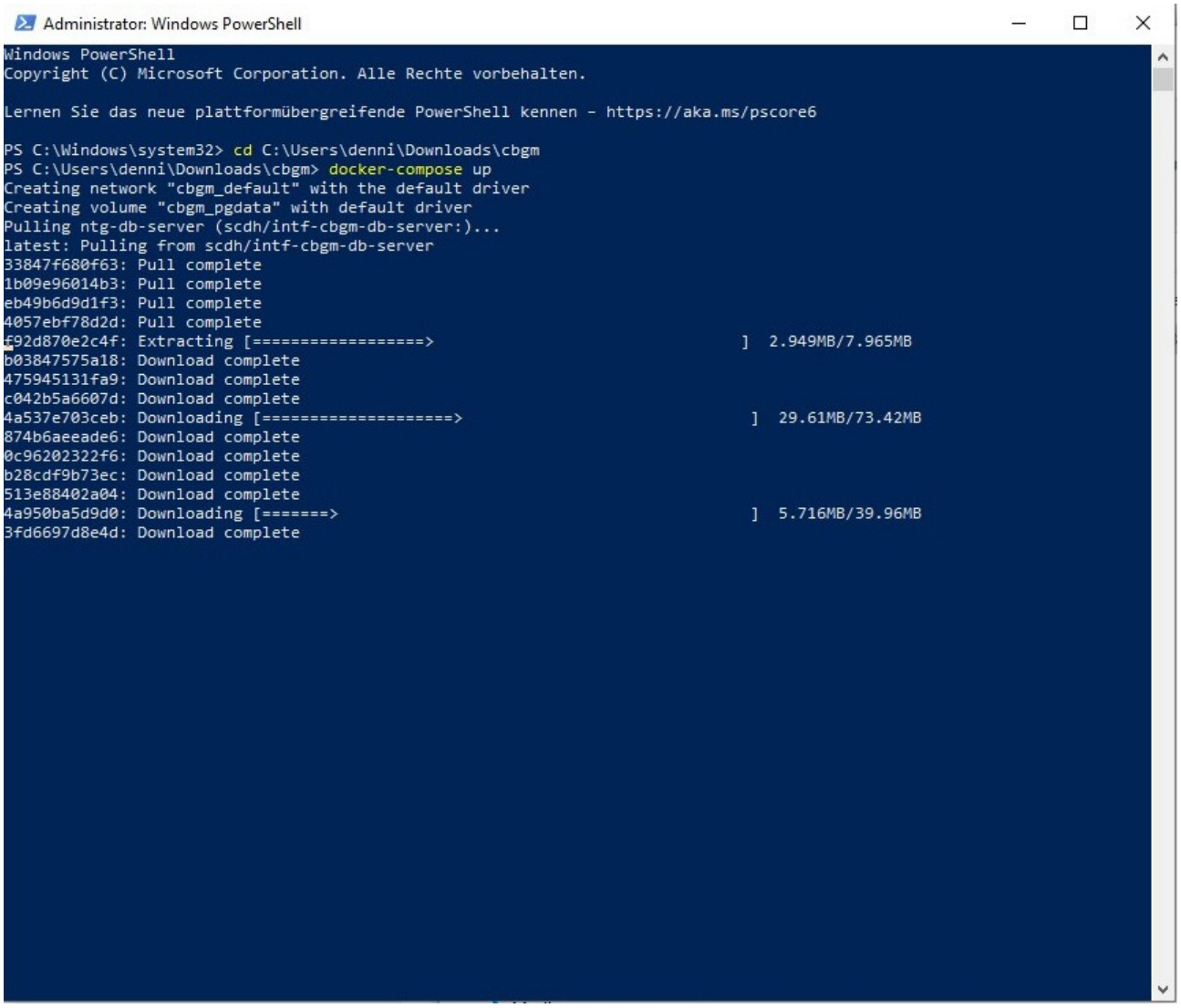
cd C:/Users/My_Name/Download/cbgm

then run

docker-compose up

Note: Docker Desktop must be running, while executing docker compose.

You should see the following:

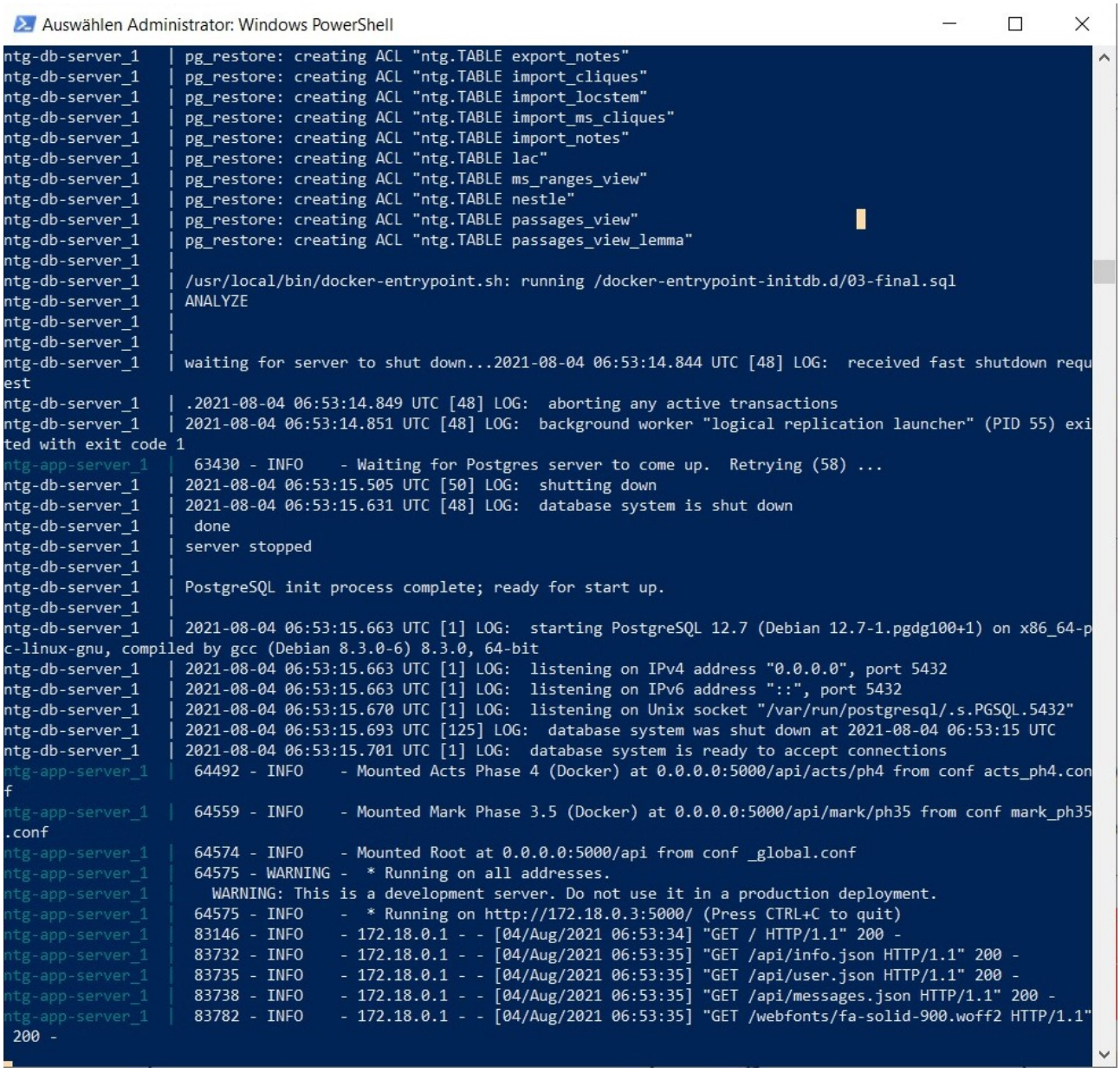


Note: Depending on your connection, this may take a few minutes. After that, the Database must fill tables, so this could also take a few minutes.

Final Step

In the end you should see the following output. Visit http://localhost:5000/ in your browser to see the CBGM User Interface.

To shutdown the CBGM just press CTRL-C while inside your PowerShell.



For an introduction to the CBGM, see the Short Guides at: https://ntg.uni-muenster.de/

Troubleshooting

I cannot reach localhost:5000, there is no User Interface!

Please check your PowerShell Output. There may be an error message. Please look at the problems below. If you encounter a different error, we are happy to hear from you! We are trying to make CBGM Docker error-free, so please contact Mr. Volker Krüger (vkrue_01@uni-muenster.de)

The PowerShell says something like „Traceback“ and the CBGM tool is not working.

The word „Traceback“ indicates that the App Container crashed. In most cases this happens during the first start. In slow systems the database cannot be filled in time so that the App crashes. Just terminate the Docker processes by pressing CTRL-C twice and restart with

```
docker-compose up
```

I get an error „PANIC: could not fdatasync file "000000010000000000000006": Input/output error“ and/or „could not open temporary statistics file "pg_stat/global.tmp": Read-only file system“

We are currently fixing all issues regarding the Docker Enviroment of CBGM. If you encounter this error please send an email to Mr. Volker Krüger (vkrue_01@uni-muenster.de) with your machine specifications.