Installation of CraftCMS

with the installation assistant

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Starting Guide

To install CraftCMS with the installation wizard, the included files Dockerfile , docker-compose.yml and the 'craft' folder with the index.php contained therein are required. These may not be moved or renamed. Before you begin the installation, unzip the . zip file containing these files. An existing installation of Docker is required.

Each installation step may take several minutes. Do not cancel any installation steps.
Follow the steps below.

1. Open a command line (CMD or Terminal) and use CD to navigate to your directory, where the Dockerfile and docker-compose.yml are located. Create the Docker containers using the Compose command. To do this, Docker must already be open.
   `cd "my/ file / path "`
   `docker compose up -d – build`
   Note: it may be necessary to grant Docker access to the files
2. Once the containers have been created, navigate to the Craft PHP container in Docker and select the three dots > open in the browser. Alternatively, the installation wizard can also be opened by clicking on port 3380 or by going to http://localhost:3380 in a browser . This differs depending on the version of your Docker installation.
3. Accept that you understand that this wizard is intended to be used for development only and not in production environments. You can read the reasons for this in the Why is the installer not suitable for production environments section . Then click Start Installation.
4. Now enter a project name. If you have special requirements for your database configuration, you can set these under Advanced Database Options. You can read more about these settings in How can I use my own database settings . Click Create Craft Project. Your craft project will now be created.
5. Now configure your Craft page with the required data. You log into your system with this data; remember these.
6. Don't close your browser yet. Click finish to complete the installation. You will then be redirected to your Craft page.

Check out the next section to learn what's important when using Craft.

In the next sections, you'll also learn how to combat common mistakes.

CraftCMS and Errors

Q:	How do I get to my page?
A:	After you have successfully completed the installation, you can click on the three dots in the Craft PHP container in the Docker application and select "open in browser". Alternatively, the page can also be accessed in Docker by clicking on the port of the container. Once your container is started, you can also use a browser to navigate to http://localhost:3380 .

Q:	How do I get to the administration area of my site?
A:	Follow the instructions on How do I get to my site and enter "/ admin " in the browser address bar after the port. Alternatively, you can also access http://localhost:3380/admin with a browser when the Craft Container is started .

Q:	Where can I find the site's files/resources?
A:	CraftCMS is installed in the folder from which you compose the installation up have started. Your files can be found in the 'Craft' folder, in a folder named after your project. Your database files are located in the installation folder under data . In the container the files are located in /VAR/WWW/HTML

Q:	How do I create a file system? (mkdir error)
A:	A file system is required in CraftCMS , for example to upload assets. You can create this under Setting > Filesystems. Note that with Basepath The path is **not** specified by the host system, but by the container. When specifying file paths, use the alias @root . This represents the path to your Craft folder. From there you can enter file paths as usual. Example: @root/my-folder/folder2/

Q:	How do I increase the upload limit? (upload limit error)
A:	The upload limit in the Craft installation is set to 32mb by default. If you don't have Craft installed yet, you can open the Dockerfile in a text editor and adjust the numbers on lines 66 and 67 to any upload size in megabytes. If you have already installed Craft, open the Craft PHP Container command line (CLI) in Docker and enter the following commands one after the other: [replace the question mark with the desired size in megabytes] cd / usr / local / etc / php sudo sed -i "s/^ upload_max_filesize = . */ upload_max_filesize = ?M/" "php.ini" sudo sed -i "s/^ post_max_size = . */ post_max_size = ?M/" "php.ini"

Q:	What do I do if my installation fails?
A:	If your CraftCMS installation was unsuccessful, you will be directed to an error page that will provide you with some tips for solving possible problems. It is normal for the installation to take several minutes per installation step. If your installation fails, you can try restarting it by following the steps below: • Navigate to your folder using the command line as you did during installation and enter the following command: docker compose down • Delete the following files/folders if present in the Craft folder o Composer.json o Composer.lock o Vendor (folder) o Project folder (with your project name) o Set up o Installed • Restart your PC • Install again using the installation instructions During the installation, you can observe all of the container's logs in Docker and thus diagnose errors yourself. Common errors are: • The database is not configured correctly • Not enough RAM (8GB recommended) • Not enough storage space • Docker did not release the files • Page reloaded, installation interrupted (sleep fashion) • No Internet connection • Composer timeout (on older devices it comes to composer timeout because the installation takes too long. To fix this, open the Dockerfile in a text editor and increment the number on line 96)

Q:	What are my database credentials? (advanced db setup)
A:	The installation wizard creates a database defined in docker-compose.yml for use with Craft CMS. You can manage these with PHP MyAdmin . For more information about PHP MyAdmin, see the How do I open PHPMyAdmin section . You do not need to provide database credentials during Craft installation as they are set by default. PHPMyAdmin is also already preconfigured. The default configuration is: • Username: root • Password: cr4ftd4t4b4s3 • IP address: 10.80.0.11 • DB name: craftdb • Port: 3381 (host), 3306 (container) • Time zone: Europe/Berlin

	• Image: mariadb
	If you would like to deviate from the configuration, see the How can I use my own database settings section .

Q:	How do I open PHPMyAdmin ?
A:	PHPMyAdmin is a database management tool that is installed by default. It comes pre-configured with the default database. To open it, find the Craft PHPMyAdmin container in Docker and follow the steps analogous to opening the Craft page. You can find these described in the How do I get to my site section .

Q:	How can I use my own database settings? (advanced databse options)
A:	Running the Compose command creates a preconfigured database. The login details can be found in the What are my database login details section .
	Of course, you can also connect databases you have configured yourself or change the standard configuration for increased security.
	To leave the database created by the Compose command but change the credentials, open the docker-compose.yml file in a text editor. Change the database configuration.
	If you want to connect an external database, you can set this in the installer.
	If you do not leave the preconfigured database settings (because you changed them or use an external DB), you must change the settings under advanced . in the installer on the project configuration page during the installation process database Adjust configuration .

Q:	Why is the installer not suitable for production environments?
A:	The installer automates many installation steps that you may want to perform yourself in a production environment. Due to deviations from official installation methods and associated additional configurations, the Apache server and the CraftCMS environment may behave differently than expected. The security risk is that the user www-data has more extensive rights than usual and can give the command to restart (also from PHP scripts in the browser). In addition, the database connection is preconfigured with a set password.
	the CraftInstallation itself in production environments as it does not differ from the standard installation.

Q:	Where can I report errors/bugs? – How did the installer come about?
A:	This Craft CMS Installer was developed within a few days (and nights) by me, Luke Kahms. The installer is not thoroughly tested and may contain errors.
	If you discover errors, you can report them by email to luke.kahms@student.fh-kiel.de .

I would be happy if you describe the error in detail and attach the Docker logs.   With ♡ made in Kiel.

created for the dynamic website design course taught by Franziska Uhing at the Kiel University of Applied Sciences.

https://github.com/LukeMitDemHut/easycraftondocker