

Installing CraftCMS

using the installation wizard

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This installation wizard was created by Luke Kahms. If you have any questions or comments, please contact

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This document is machine-translated.

Table of contents

Starting Guide	2
Dealing with CraftCMS and Errors.....	3
How do I get to my page?	3
How do I get to the administration area of my site?	3
Where can I find the site's files/resources?	3
How do I create a file system? (mkdir error).....	3
How do I increase the upload limit? (upload limit error).....	3
What do I do if my installation fails?	4
What are my database credentials?.....	4
How do I open PHPMyAdmin ?	5
How does collaboration on a craft project work?	5
How do I package a craft project? (Levy)	5
How does restoring an existing Craft installation work?.....	6
How can I use my own database settings? (advanced databse options)	6
Why is the installer not suitable for production environments?	6
Where can I report errors/bugs? – How did the installer come about?	7

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 on "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. Click "Create Craft Project."
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.

Dealing with 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 @webroot . This represents the path to your web folder. From there you can enter file paths as usual. Example: @webroot/my-folder/folder2/

Q:	How do I increase the upload limit? (upload limit error)
A:	<p>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.</p> <p>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]</p> <pre>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"</pre>

Q:	What do I do if my installation fails?
A:	<p>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.</p> <p>If your installation fails, you can try restarting it by following the steps below:</p> <ul style="list-style-type: none">• Navigate to your folder using the command line as you did during installation and enter the following command: <code>docker compose down</code>• Delete the following files/folders if present in the Craft folder<ul style="list-style-type: none">○ Composer.json○ Composer.lock○ Vendor (folder)○ Project folder (with your project name)○ Set up○ Installed• Restart your PC• Install again using the installation instructions <p>During the installation, you can observe all of the container's logs in Docker and thus diagnose errors yourself.</p> <p>Common errors are:</p> <ul style="list-style-type: none">• 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 68)

Q:	What are my database credentials?
A:	<p>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 .</p> <p>You do not need to provide database credentials during Craft installation as they are set by default. PHPMyAdmin is also already preconfigured.</p> <p>The default configuration is:</p> <ul style="list-style-type: none">• Username: root• Password: cr4ftd4t4b4s3• IP address: 10.80.0.11• DB name: craftdb• Port: 3381 (host), 3306 (container)

	<ul style="list-style-type: none">• Time zone: Europe/Berlin• Image: mariadb <p>If you would like to deviate from the configuration, see the How can I use my own database settings section.</p>
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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 does collaboration on a craft project work?
A:	<p>If you would like to work on a craft project with another person, it is helpful to work on a version together or exchange files.</p> <p>It is possible to synchronize the craft files. This can be done with GitHub, for example. The right ones. gitignore files are already created during installation. Do not synchronize database data (data folder) via file synchronization services . Instead, use an online hosted database. Read the section How can I use my own database settings to find out how to store them in the Craft installation wizard. You can then work on the same craft project at the same time.</p> <p>If you want to use the built-in local database installation, you can send the project packaged to the person you are working with. You can find information about this in the How do I package my craft project section . The person can then restore your project and then continue working on the project. You can find information about this in the How to restore an existing Craft installation section . Simultaneous editing is not possible, but you can package and restore the Craft installation after each edit and thus always send the Craft project back and forth.</p> <p>Alternatively, you have the option of creating your own craft server in a web space you rent, which can then be accessed from the Internet.</p> <p>To do this, you may need to use alternative installation methods.</p>

Q:	How do I package a craft project? (Levy)
A:	<p>To package a craft project, you must package all of your files. To do this, navigate to the folder in your file system where you saved the installation wizard files. This folder should contain the following files:</p> <ul style="list-style-type: none">• Dockerfile• docker-compose.yml• data [folder]• craft [folder]

	<p>Make sure that there is no folder in the craft folder other than the Vendor [folder] and a folder with your project name.</p> <p>Package all of these files into a ZIP archive. You can get help with packing online. Make sure that the files stay in the folder structure (arrangement) and are not moved into subfolders.</p> <p>The resulting . zip file is now an image of your Craft installation that you can send.</p> <p>If you use your own database configuration, communicate this to the recipient and instruct them on any steps to be taken.</p>
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Q:	How does restoring an existing Craft installation work?
A:	<p>To restore an image of an existing Craft installation, unpack the . zip archive you received. This contains all files and dependencies of the Craft project. Start Docker and ensure that no containers created by the installation wizard exist. If necessary, delete any containers created by previous Craft installations using the installation wizard (these occupy ports 3380 to 3382 by default).</p> <p>Follow steps 1 and 2 from the start guide with the files you just extracted. Do not start a new installation, but select “Restore Project” at the bottom right. You are now using an identical copy of the Craft project.</p>

Q:	How can I use my own database settings? (advanced databse options)
A:	<p>Running the Compose command creates a preconfigured database. The login details can be found in the What are my database login details section.</p> <p>Of course, you can also connect databases you have configured yourself or change the standard configuration for increased security.</p> <p>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.</p> <p>If you want to connect an external database, you can set this in the installer.</p> <p>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 .</p>

Q:	Why is the installer not suitable for production environments?
A:	<p>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.</p> <p>the CraftInstallation itself in production environments as it does not differ from the standard installation.</p>

Q:	Where can I report errors/bugs? – How did the installer come about?
A:	<p>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.</p> <p>If you discover errors, you can report them by email to luke.kahms@student.fh-kiel.de.</p> <p>I would be happy if you describe the error in detail and attach the Docker logs.</p> <p>With ♥ made in Kiel.</p>

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

<https://github.com/LukeMitDemHut/easycraftondocker>