

# CAST Imaging installation for Docker on Linux or Microsoft Windows

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**i** **Summary:** CAST Imaging can be installed on Linux and Microsoft Windows operating systems as a set of docker containers. This section explains how to **install** CAST Imaging.

## Step 1 - ensure deployment requirements are in place

Ensure that all [requirements](#) are in place. This includes the installation of any third-party software that is required to run CAST Imaging on Docker.

**i** Installation of third-party software is out of scope of this documentation, however, some tips can be found in the following third-party documentation:

### Ubuntu

- [How To Install Docker on Ubuntu](#)
- [How To Install Docker Compose on Ubuntu](#)
- [How to Install curl on Ubuntu](#)

### CentOS

- [How to Install Docker on CentOS](#)
- [How to install Docker Compose](#)

### Microsoft Windows

- [Install Docker Desktop on Windows](#)

## Step 2 - download and process the installation files

The CAST Imaging installation files for Docker are available as **extensions published by CAST** - see [Docker Installer](#). Ensure you obtain the correct release/extension for your target release of CAST Imaging:

CAST Imaging release	Required Docker Installer release
2.13.x	1.2.9-funcrel
2.11.x	1.2.7-funcrel
2.10.x	1.2.6-funcrel
2.7.1-funcrel - 2.9.x-funcrel	1.2.4-funcrel - 1.2.5-funcrel
2.7.x-funcrel	1.2.3-funcrel
2.5.x-funcrel - 2.6.x-funcrel	1.2.2-funcrel
2.1.x-funcrel - 2.4.0-funcrel	1.1.0-funcrel, 1.2.0-funcrel or 1.2.1-funcrel
2.0.x-funcrel	1.1.0-beta1 only

## Linux

Download the [Docker Installer](#) extension from CAST Extend using **curl**:

- ensure you enter an appropriate **CAST Extend API key** in <key>. See [CAST Extend website](#) or [Download an extension using CAST Extend API](#) for more information about this
- the command below will download the latest release of the **Docker Installer** as a ZIP file- if you need to install a different release, ensure you state the specific extension release number, for example <https://extend.castsoftware.com/api/package/download/com.castsoftware.imaging.docker/1.1.0-funcrel>

```
curl -O -J "https://extend.castsoftware.com/api/package/download/com.castsoftware.imaging.docker" -H "x-nuget-apikey: <key>" -H "accept: application/octet-stream"
```

Then unpack the ZIP that has been downloaded:

```
unzip com.castsoftware.imaging.docker.1.2.0-funcrel.zip
```

This location is **where CAST Imaging will be run from and where the CAST Imaging data will be stored**. A set of files and folders is produced when the extension is unzipped:

```
Files:
.env
docker-compose.yml
etl
etl-automation
imaging
imaging.exe
LICENSE

Folders:
login
logs
neo4j
server
```

## Microsoft Windows

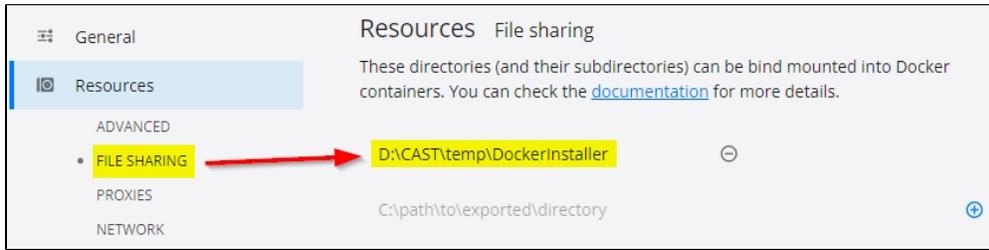
Download the **Docker Installer** extension from CAST Extend and unzip it to a working folder anywhere on the server - this location is **where CAST Imaging will be run from and where the CAST Imaging data will be stored**. A set of files and folders is produced when the extension is unzipped:

```
Files:
.env
docker-compose.yml
etl
etl-automation
imaging
imaging.exe
LICENSE

Folders:
login
logs
neo4j
server
```



If you are using **Hyper-V mode** for Docker Desktop, you must ensure that you add the parent folder path to the **Resources > File Sharing** tab in the Docker Desktop UI so that the installation files are mounted by the Linux containers. For example, if you unzipped them to **D:\CAST\temp\DockerInstaller**, then you need to add **D:\CAST\temp\DockerInstaller** to the **File Sharing** tab. Ensure that you click **Apply and Restart** so that the changes are taken into account:



This change is not required when using **WSL2 mode**.

## Step 3 - initial start-up

Start CAST Imaging with the following command using terminal (Linux) or a CMD prompt (Microsoft Windows). This will pull the **most recent "funcrel" release docker images** of CAST Imaging and start them up:

```
Linux: ./imaging -s start
Microsoft Windows: imaging.exe -s start
```

**i** CAST highly recommends running the commands **from within the folder created when unzipping the extension**, however, if you need to run them from outside the folder, ensure that on Microsoft Windows, the path to `imaging.exe` **does not contain spaces/white space** - the command will fail otherwise.

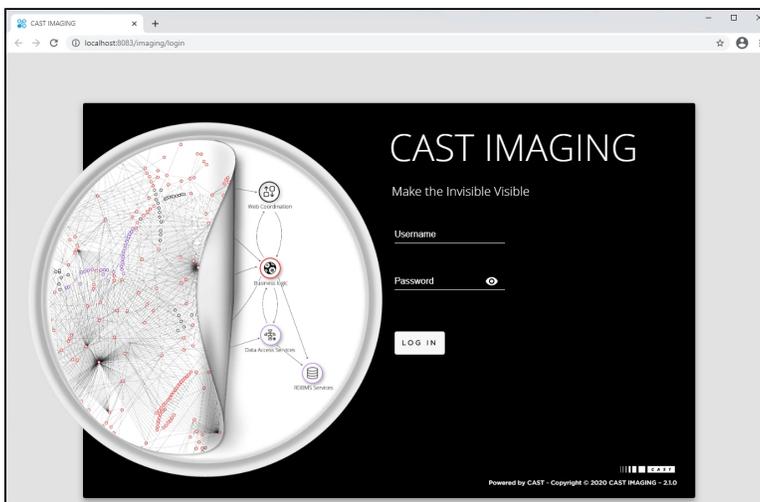
## Step 4 - test access

Browse to the following URL to check if users can access CAST Imaging. You may wish to check that access is possible from **an unrelated machine on the internal network** - and if so, ensure that any firewall rules are created to allow access on port 8083. Ensure you specify the correct **server** (change "localhost"):

```
http://localhost:8083
```

If the setup has been completed successfully, you will see the following login page in your browser:

*Click to enlarge*



By default, a **"local" authentication system** is active. The default login credentials are as follows:

- admin/admin
- cast/cast

**i** For more information about managing **authentication** and **permissions**, see:

- [Configure authentication](#)
- [Admin Center - Users panel](#)