# SpecIF Backend Setup

A MonogDB connection must be setup and available to start this container version. See Database below.

The following arguments can be added to the docker run command, to setup the SpecIF Backend container.

# Environment Variables

## Hosting certificate

If no certificate is available, the container will host on http only. Use this only in secure environments.

Use the following variables:

-e ASPNETCORE\_Kestrel\_\_Certificates\_\_Default\_\_Password=<password> -e ASPNETCORE\_Kestrel\_\_Certificates\_\_Default\_\_Path=/https/<certifcateName>

And mount the certificate as a volume

-v <PathToCertificateDirectory>:/https/

## Database

To configure the connection to a MongoDB set: -e dataConnection=mongodb://<connectionstring>:<port> (e.g. dataConnection=mongodb://mongodb:27017)

Adding user credentials is possible.

## Authorization

By default, this image starts with disabled authorization. To start a container **with authorization** , use docker run <other commmands> –entrypoint ./MDD4All.SpecIf.Microservice <imagename>:<imagetag> mongodb false

*false* / *true* as 2nd run argument changes the authorization. *true* enables AnonynmousReadAccess

## Ports

The SpecIF Backend is accessible over 888 (https) and 887 (http, redirect to https, if not disabled) -p <outsideport>:888 -p <outsideport>:887

## Access SpecIF

SpecIF is available at <host>:<port>, including an upload file endpoint and swagger documentation.

## Example docker run command

docker run -p 888:888 -p 887:887 -it -e dataConnection=mongodb://mongodb:27017 -e ASPNETCORE\_Kestrel\_\_Certificates\_\_Default\_\_Password=YourSecurePassword -e ASPNETCORE\_Kestrel\_\_Certificates\_\_Default\_\_Path=/https/localhost.pfx –entrypoint ./MDD4All.SpecIf.Microservice –network=specif -v %USERPROFILE%.aspnet:/https/ specif:latest mongodb true

## Prometheus

Prometheus is available at /metrics

## httpRedirection:

To disable httpRedirecton to https you can either: Host with a valid hosting certificate (only in secure environments) or set the environment variable “httpRedirection” to “noRedirection” (case sensitive)