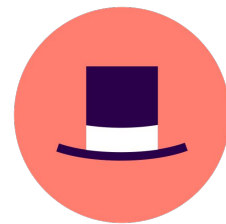


## Install Annif: Docker image





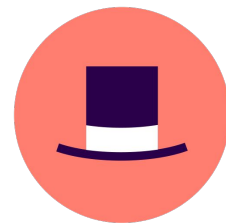
# Install Annif using Docker

- Best for those already familiar with and using Docker

## Further reading

Annif wiki:

<https://github.com/NatLibFi/Annif/wiki/Usage-with-Docker>

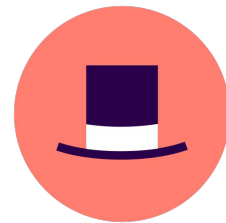


# Some considerations

Make sure that Docker has at least 8GB available memory ([Docker memory settings](#))

Note that you need to be able to [share a folder with Docker](#) or use [a named volume](#).

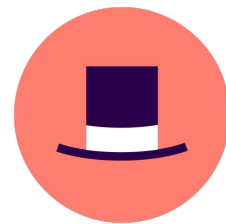
On a centrally administered computer, sharing folders with Docker is usually not permitted. You can still complete the exercises following the steps given in the instructions under [Alternative approach using a named volume](#).



# Install on Linux / Mac

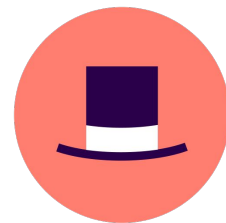
Linux: `docker run -v ~/Annif-tutorial:/Annif-tutorial --network host --name annif -it --rm -u $(id -u):$(id -g) quay.io/natlibfi/annif:tutorial`

Mac: `docker run -v ~/Annif-tutorial:/Annif-tutorial -p 5000:5000 --name annif -it --rm -u $(id -u):$(id -g) quay.io/natlibfi/annif:tutorial`



# Install on Windows

```
docker run -v ~/Annif-tutorial:/Annif-tutorial -p 5000:5000 --name annif -it --rm -u root  
quay.io/natlibfi/annif:tutorial
```



# Install on Windows: Alternative approach

```
docker run -v Annif-tutorial-volume:/Annif-tutorial -p 5000:5000 --name annif -it --rm -u root quay.io/natlibfi/annif:tutorial
```

Followed by the following command in another terminal window:

```
docker cp data-sets/ annif:/Annif-tutorial
```

Windows PowerShell

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Try the new cross-platform PowerShell <https://aka.ms/powershell>

PS Z:\> C:

PS C:\> **docker** run -v Annif-tutorial-volume:/Annif-tutorial -p 5000:5000 --name annif -it --rm -u root quay.io/natlibfi/annif:tutorial

Unable to find image 'quay.io/natlibfi/annif:tutorial' locally

tutorial: Pulling from natlibfi/annif

6ec8c9369e08: Downloading [=====>] 6.689MB/27.1MB

401b5acb42e6: Download complete

2e487de6656a: Downloading [=====>] 6.155MB/20.44MB

519de614852e: Download complete

1005647edff7: Download complete

a88e11ecc1b6: Waiting

dfe9a6ea1868: Waiting

28fce8477e0b: Waiting

e042989ee772: Waiting

6bf98c1eaf82: Waiting

bb9c87defe68: Waiting

0396ec4db592: Waiting

0aae3830cfa6: Waiting

c3e9f4e745c5: Waiting

984701a38159: Waiting

Windows PowerShell

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Try the new cross-platform PowerShell <https://aka.ms/pscore6>

PS Z:\&gt; C:

PS C:\&gt; docker run -v Annif-tutorial-volume:/Annif-tutorial -p 5000:5000 --name annif -it --rm -u root quay.io/natlibfi/annif:tutorial

Unable to find image 'quay.io/natlibfi/annif:tutorial' locally

tutorial: Pulling from natlibfi/annif

6ec8c9369e08: Pull complete

401b5acb42e6: Pull complete

2e487de6656a: Pull complete

519de614852e: Pull complete

1005647edff7: Pull complete

a88e11ecc1b6: Pull complete

dfe9a6ea1868: Pull complete

28fce8477e0b: Pull complete

e042989ee772: Pull complete

6bf98c1eaf82: Pull complete

bb9c87defe68: Pull complete

0396ec4db592: Pull complete

0aae3830cfa6: Pull complete

c3e9f4e745c5: Pull complete

984701a38159: Pull complete

Digest: sha256:337d84ae93596fe782e5275f844bf04a1d061d2a5ee3df0a75973e9cc4cea549

Status: Downloaded newer image for quay.io/natlibfi/annif:tutorial

root@985449b52271:/Annif-tutorial#



```
: \> cd .\Annif-tutorial\  
:\Annif-tutorial> docker cp data-sets/ annif:/Annif-tutorial  
:\Annif-tutorial>
```

```
root@985449b52271:/Annif-tutorial# ls  
data-sets  
root@985449b52271:/Annif-tutorial#
```