This image has a tag for every release of blue ocean, to run the latest, ensure you run docker pull jenkinsci/blueocean from time to time.

A docker image to give BlueOcean a try

* run as docker run -p 8080:8080 jenkinsci/blueocean
* note the admin password dumped on log
* open a browser on [http://localhost:8080](http://localhost:8080/)
* run the initial setup wizard. Choose "recommended plugins"
* browse to <http://localhost:8080/blue>

The Jenkins project provides a Linux container image, not a Windows container image. Be sure that your Docker for Windows installation is configured to run Linux Containers rather than Windows Containers. See the Docker documentation for instructions to [switch to Linux containers](https://docs.docker.com/docker-for-windows/#switch-between-windows-and-linux-containers). Once configured to run Linux Containers, the steps are:

1. Open up a command prompt window.
2. Create a [bridge network](https://docs.docker.com/network/bridge/) in Docker using the following [docker network create](https://docs.docker.com/engine/reference/commandline/network_create/) command:

docker network create jenkins

1. Create the following [volumes](https://docs.docker.com/storage/volumes/) to share the Docker client TLS certificates needed to connect to the Docker daemon and persist the Jenkins data using the following [docker volume create](https://docs.docker.com/engine/reference/commandline/volume_create/) commands:

docker volume create jenkins-docker-certs

docker volume create jenkins-data

1. In order to execute Docker commands inside Jenkins nodes, download and run the docker:dind Docker image using the following [docker container run](https://docs.docker.com/engine/reference/commandline/container_run/) command:

docker container run --name jenkins-docker --rm --detach ^

--privileged --network jenkins --network-alias docker ^

--env DOCKER\_TLS\_CERTDIR=/certs ^

--volume jenkins-docker-certs:/certs/client ^

--volume jenkins-data:/var/jenkins\_home ^

--volume "%HOMEDRIVE%%HOMEPATH%":/home ^

docker:dind

1. Run the jenkinsci/blueocean image as a container in Docker using the following [docker container run](https://docs.docker.com/engine/reference/commandline/container_run/) command (bearing in mind that this command automatically downloads the image if this hasn’t been done):

docker container run --name jenkins-blueocean --rm --detach ^

--network jenkins --env DOCKER\_HOST=tcp://docker:2376 ^

--env DOCKER\_CERT\_PATH=/certs/client --env DOCKER\_TLS\_VERIFY=1 ^

--volume jenkins-data:/var/jenkins\_home ^

--volume jenkins-docker-certs:/certs/client:ro ^

--volume "%HOMEDRIVE%%HOMEPATH%":/home ^

--publish 8080:8080 --publish 50000:50000 jenkinsci/blueocean

|  |
| --- |
| Maps the /var/jenkins\_home directory in the container to the Docker [volume](https://docs.docker.com/engine/admin/volumes/volumes/) with the name jenkins-data. If this volume does not exist, then this docker container run command will automatically create the volume for you. |
|  | Maps the $HOME directory on the host (i.e. your local) machine (usually the /Users/<your-username> directory) to the /home directory in the container. |

**Note:** If copying and pasting the command snippet above doesn’t work, try copying and pasting this annotation-free version here:

docker container run --name jenkins-tutorial --rm --detach \

--network jenkins --env DOCKER\_HOST=tcp://docker:2376 \

--env DOCKER\_CERT\_PATH=/certs/client --env DOCKER\_TLS\_VERIFY=1 \

--volume jenkins-data:/var/jenkins\_home \

--volume jenkins-docker-certs:/certs/client:ro \

--volume "$HOME":/home --publish 8080:8080 jenkinsci/blueocean

1. Proceed to the [Setup wizard](https://jenkins.io/doc/tutorials/build-a-node-js-and-react-app-with-npm/#setup-wizard).

Clone the project for node and react from <https://github.com/jenkins-docs/simple-node-js-react-npm-app>

In each steps, add to pipeline new stages. After the first execution, npm doesn’t have to install old dependencies.

Test script failed due to lack of execute right for the test.sh

To undo DockerINDocker

<https://jpetazzo.github.io/2015/09/03/do-not-use-docker-in-docker-for-ci/>

About DIND- <https://sreeninet.wordpress.com/2016/12/23/docker-in-docker-and-play-with-docker/>

References

<https://hub.docker.com/r/jenkinsci/blueocean/>

<https://jenkins.io/doc/tutorials/build-a-node-js-and-react-app-with-npm/>