

Joget on Docker

Docker (www.docker.com) is an open platform making it easier to create, deploy, and run applications by using containers.

The screenshot shows the Docker website homepage. At the top left is the Docker logo. To its right is a navigation menu with links for Docs, Support, Training, Tech Blog, Blog, Docker Hub, and a prominent green 'Get Started' button. Below the navigation is a main banner with a colorful illustration of a globe with various characters and a whale. The banner text reads 'Build, Ship, Run' and 'An open platform for distributed applications for developers and sysadmins'. A dark button with the text 'Get Started with Docker' is positioned on the right side of the banner. Below the banner are two promotional cards. The first card is titled 'Deploy your apps with Docker Cloud' and includes a cloud icon, a description of Docker Cloud, and a link 'Get your first node for free ». The second card is titled 'Get Trial Access to Docker Datacenter' and includes a server icon, a description of Docker Datacenter, and a link 'Sign up for a 30-day trial now »'.

This article describes the steps required to run Joget on Docker. With Docker, you can easily deploy Joget with just a single command. Public Joget Docker images are hosted in the Docker Hub repository (<https://hub.docker.com/u/jogetworkflow/>)

Prerequisite: Install Docker

Install Docker following the docs at <https://docs.docker.com/engine/installation/> There are instructions for Linux, Windows or Mac.

Option 1: Run Joget with Embedded MySQL

The easiest way is to run a Joget container which also contains a MySQL database:

```
docker run -d -p 8080:8080 -v /var/lib/mysql --name joget jogetworkflow/joget-enterprise
```

With just a single command, you will have an entire running installation of Joget. Browse to the installation at http://your_docker_host:8080/jw

Option 2: Run Joget with Separate MySQL and Data Volume

For better flexibility and manageability, you can run a Joget container separately from the database and shared data volume:

```
# create a volume container for shared data
docker volume create jogetdata

# run a MySQL database container
docker run -d --name jogetdb -p 3306:3306 -e MYSQL_ROOT_PASSWORD=jwdb -e MYSQL_USER=joget -e
MYSQL_PASSWORD=joget -e MYSQL_DATABASE=jwdb mysql:5.7

# run a Joget container
docker run -d --link jogetdb:jwdb --name joget -p 8080:8080 -e MYSQL_HOST=jwdb -e MYSQL_DATABASE=jwdb -e
MYSQL_PORT=3306 -e MYSQL_USER=joget -e MYSQL_PASSWORD=joget --mount source=jogetdata,target=/opt/joget/wflow
jogetworkflow/joget-enterprise
```

Browse to the installation at http://your_docker_host:8080/jw

Preserve MAC Address for Joget License

Once the docker instance is up, you may want to obtain the MAC address of the docker instance by using the following command.

```
sudo docker inspect --format='{{range .NetworkSettings.Networks}}{{.MacAddress}}{{end}}' joget
```

After you obtain the MAC address, you may preserve the MAC address the next time you create the same Joget instance again to ensure that Joget license tied to it continue to be valid.

```
docker run -ti --mac-address 00:00:00:00:00:11 -d -p 8080:8080 -v /var/lib/mysql --name joget3 jogetworkflow  
/joget-enterprise
```