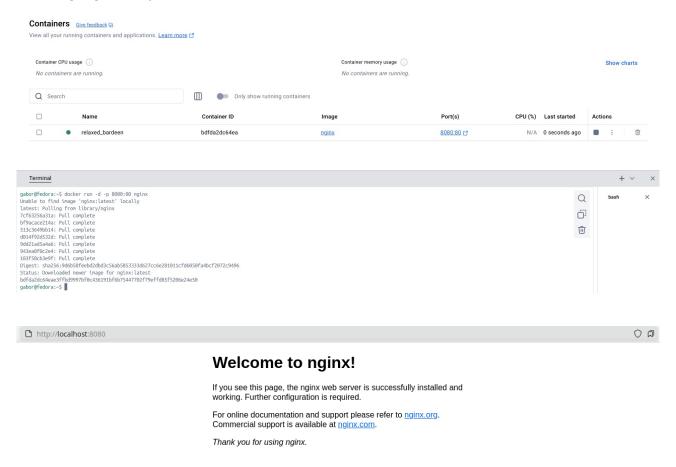
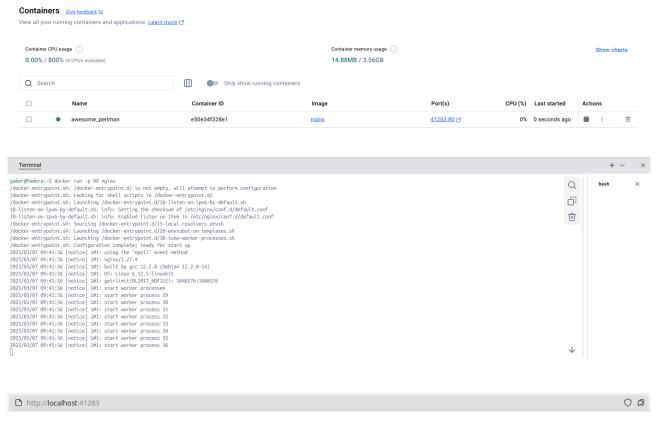
Lab 2 Containers

Publishing and exposing ports

Running Nginx on port 8080.



Running Nginx on automatic port.



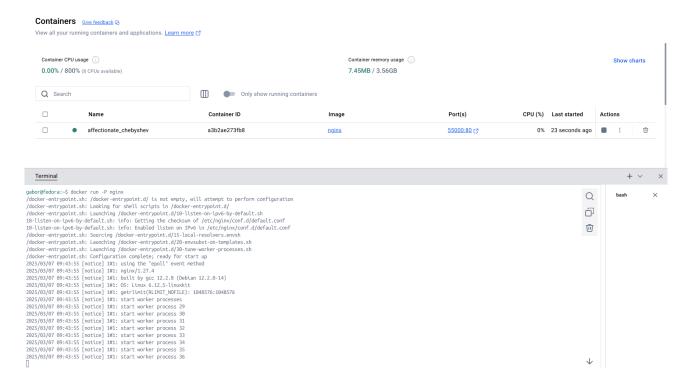
Welcome to nginx!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to $\underline{nginx.org}$. Commercial support is available at $\underline{nginx.com}$.

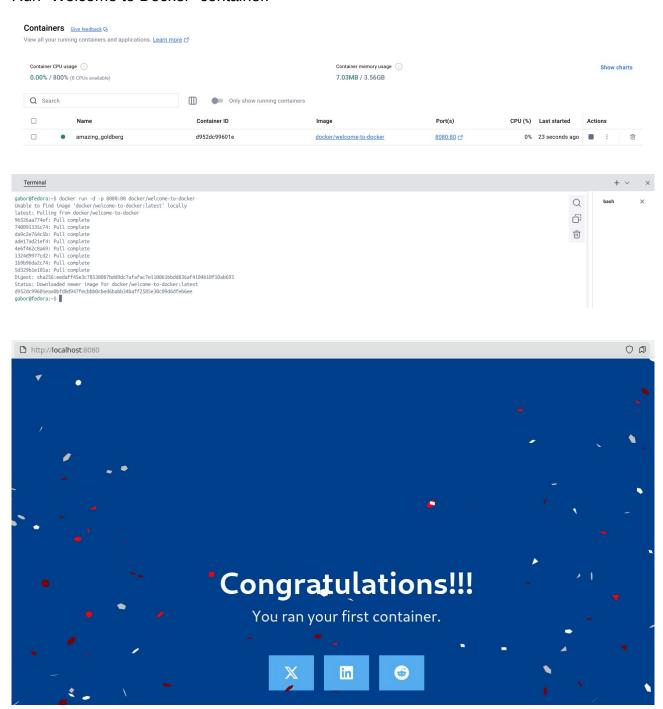
Thank you for using nginx.

Running Nginx on all ports.

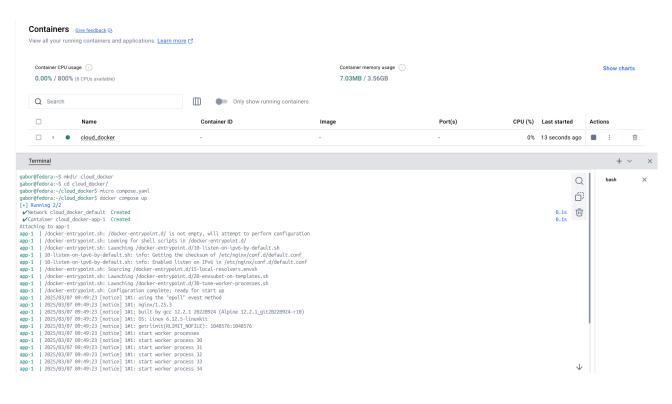




Run "Welcome to Docker" container.



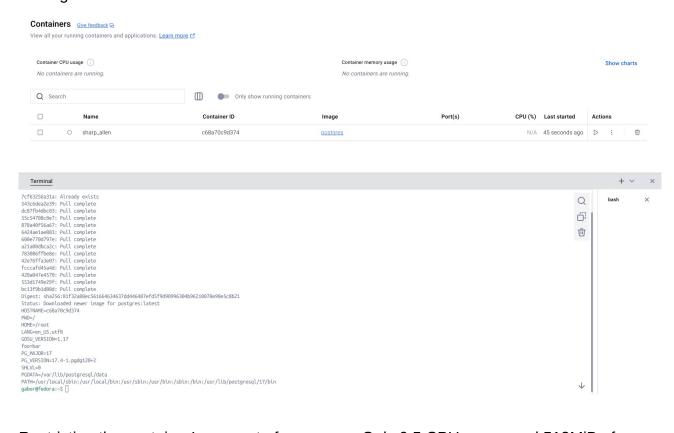
Use Docker Compose to run "Welcome to Docker".



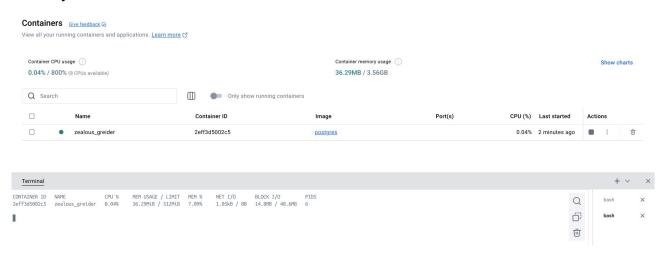


Overriding container defaults

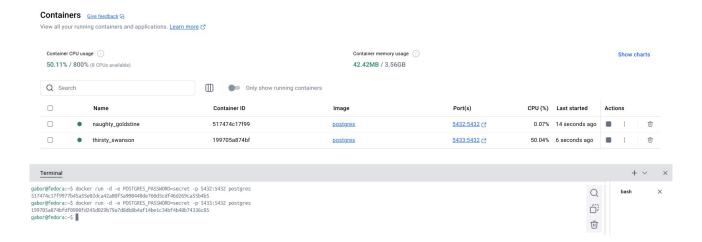
Setting environment variables. Foo has been set as bar.



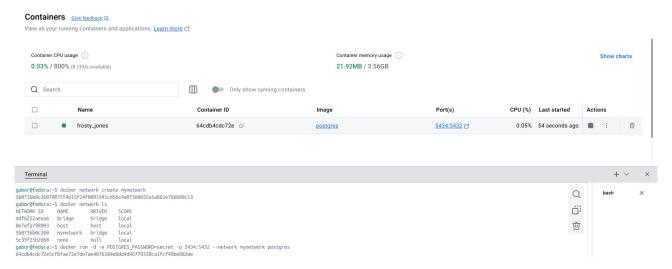
Restricting the container's amount of resources. Only 0.5 CPU cores, and 512MiB of memory.



Run multiple instances of the Postgres database.



Run Postgres container in a controlled network.



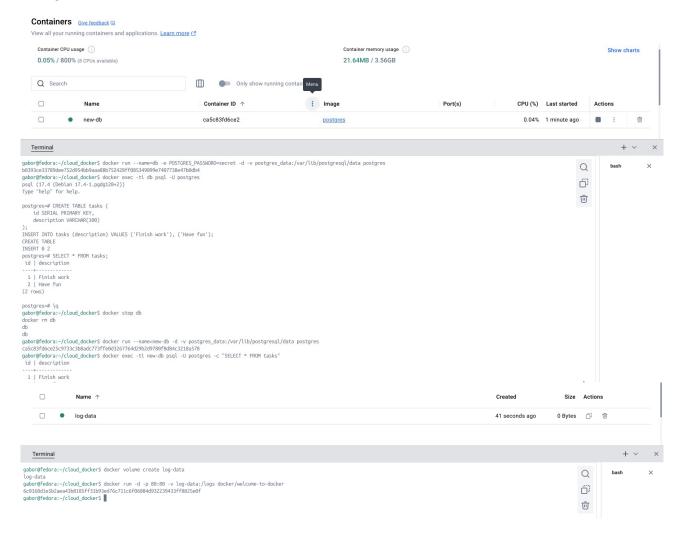
Override the default CMD and ENTRYPOINT in Docker Compose.



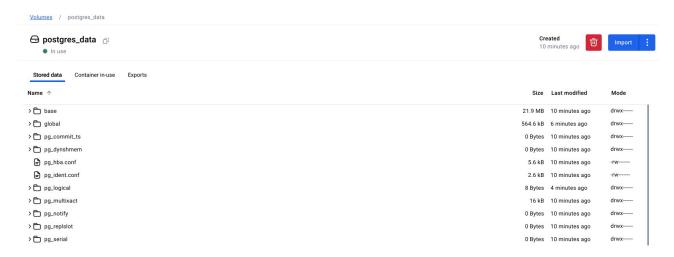
Persisting container data

Creating a container volume for logs.

Using volumes.

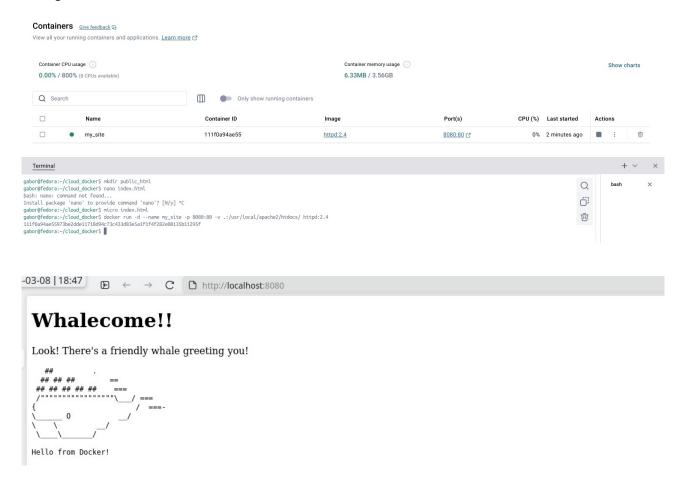


View volume contents.



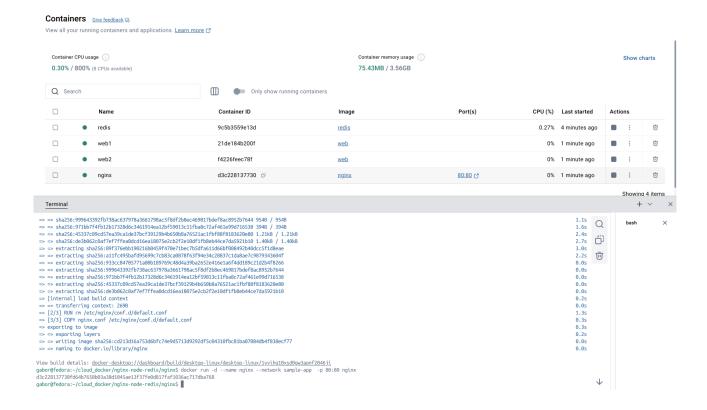
Sharing local files with containers

Using a bind mount.



Multi-container applications

Deployment manually.



Deployment using Docker Compose.

