Docker nginx image

<https://hub.docker.com/_/nginx/>

docker run --name nginx-container -P -d nginx

docker ps

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

d7df873dd43a nginx "nginx -g 'daemon off" 11 minutes ago Up 11 minutes 0.0.0.0:32768->80/tcp nginx-container

you can see that the default port 80 on which nginx is mapped to 32768

to test if nginx is running

try localhost:32768

I created a directory called data with following hierarchy

[root@docker data]# tree

.

├── conf

│   └── nginx.conf

└── html

└── test.html

2 directories, 2 files

docker run --name new-nginx-container -v $(pwd)/html:/usr/share/nginx/html:ro -v $(pwd)/conf/nginx.conf:/etc/nginx/nginx.conf:ro -P -d nginx

curl localhost:32781

This will display a 403 error page, which is to be expected because we've not mounted a folder that has a index.html file. Our mounted directory only contained a test.html file, so if we try to access that instead, then we'll see it'll be loaded without a problem:

curl localhost:32781/test.html

To run nginx interactively

docker run -it --name nginx-container \

-v $(pwd)/html:/usr/share/nginx/html:ro \

-v $(pwd)/conf/nginx.conf:/etc/nginx/nginx.conf:ro \

-P nginx bash

**Dynamically updating containers without restart**

In the ~/data/html folder create index.html

<h1>Welcome</h1>

<p>This is my home page</p>

Now hit curl localhost:32781

You can grow the mounted directory at will and display the contents without restarting docker nginx container.

## Docker Data-only Containers

[root@docker data]# tree

.

├── conf

│   └── nginx.conf

├── html

│   ├── index.html

│   ├── pics

│   │   └── DockerInCI-CD.jpg

│   ├── test2.html

│   └── test.html

├── images

│   └── DockerInCI-CD.jpg

└── nginx.conf

5 directories, 6 files