

Docker and Apache

In this practical work, we will see docker basis. You will know how to deploy a server in a docker container.

Exercise 1

Docker Hello world :

Create a docker container with an entry point that says Hello world.

Exercise 2

Docker Hello world 2 :

Create a docker container that read the content of a file in a container and prints its content, setted to "Hello world".

Exercise 3

Docker Hello world 3 :

Create a docker container that read the content of a file outside the container and prints its content.

Exercise 4

Install Apache in a docker container. You should be able to render the default page in your browser.

Hint : remember to call `apt-get update` before installing package `apache2`.

Hint 2 : You can not call `/etc/init.d/apache2 start` or equivalent as an entry point.

Hint 3 : You need to load `/etc/apache2/envvars` before launching `apache2`

Hint 4 : You need to initialize directories. I did that with a **`RUN /etc/init.d/apache2 start`** (not for starting server ! Yes, it's cheating.....)

Exercise 5

Replace this default page by yours ! (Hello world "your name") for instance.

Hint : you need to replace `/var/www/html/index.html` by yours !

Exercise 6

Add a virtual host to Apache and a second site. You should be able to access both sites using your browser.

You should have the two site's domain names in your `/etc/hosts` file, pointing to 127.0.0.1.

Hint : you need to secify a server name for `/etc/apache2/sites-enabled/000-default.conf`