

Job8

Job 08

Sans utiliser une image nginx existante , utilisation de « Dockerfile » pour créer un conteneur nginx, voir redirection des ports, et se connecter.

Pour ce job, je vais utiliser le port 8080 (car le port 80, habituellement utilisé pour le protocole HTTP, est déjà utilisé dans le job précédent).

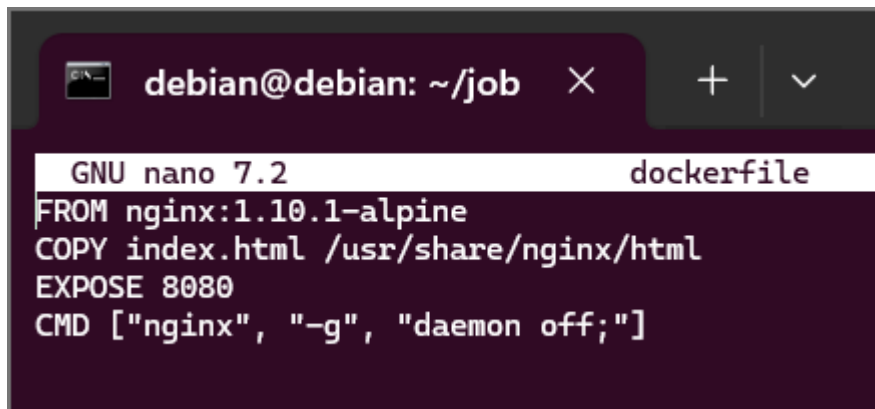
#1. Création d'un répertoire nommé "job8"

```
debian@debian:~$ sudo mkdir job8
debian@debian:~$ cd job8/
```

#2. On y pull l'image la plus récente de nginx

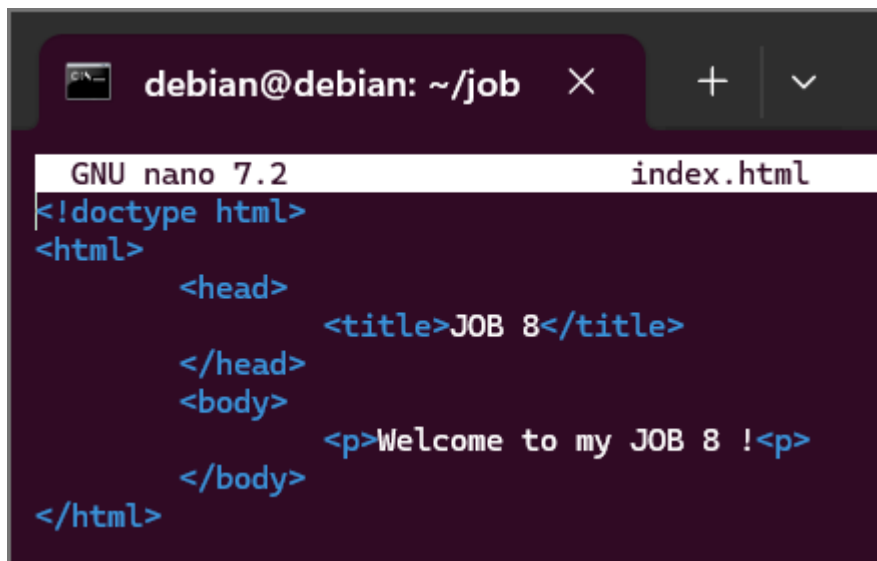
```
debian@debian:~/job8$ docker pull nginx:latest
latest: Pulling from library/nginx
Digest: sha256:a484819eb60211f5299034ac80f6a681b06f89e65866ce91f356ed7c72af059c
Status: Image is up to date for nginx:latest
docker.io/library/nginx:latest
```

#3. Création du dockerfile et du fichier index.html



```
debian@debian: ~/job
GNU nano 7.2 dockerfile
FROM nginx:1.10.1-alpine
COPY index.html /usr/share/nginx/html
EXPOSE 8080
CMD ["nginx", "-g", "daemon off;"]
```

```
FROM nginx:1.10.1-alpine
COPY index.html /usr/share/nginx/html
EXPOSE 8080
CMD ["nginx", "-g", "daemon off;"]
```



```
debian@debian: ~/job
GNU nano 7.2 index.html
<!doctype html>
<html>
  <head>
    <title>JOB 8</title>
  </head>
  <body>
    <p>Welcome to my JOB 8 !<p>
  </body>
</html>
```

```
<!doctype html>
<html>
  <head>
    <title>JOB 8</title>
  </head>
  <body>
    <p>Welcome to my JOB 8 !<p>
  </body>
</html>
```

#4. On build l'image

```

debian@debian:~/job8$ docker build -t nginx_job8 .
Sending build context to Docker daemon 3.072kB
Step 1/4 : FROM nginx:1.10.1-alpine
1.10.1-alpine: Pulling from library/nginx
3690ec4760f9: Pull complete
ee5c8ce18d68: Pull complete
30cd4181f7f3: Pull complete
c0adc6a24f23: Pull complete
Digest: sha256:dabd1d182f12e2a7d372338dfd0cde303ef042a6ba01cc829ef464982f9c9e2c
Status: Downloaded newer image for nginx:1.10.1-alpine
--> 2cd900f340dd
Step 2/4 : COPY index.html /usr/share/nginx/html
--> 819cbe101bb9
Step 3/4 : EXPOSE 8080
--> Running in 0b76e40eee28
Removing intermediate container 0b76e40eee28
--> de6640dbcc3c
Step 4/4 : CMD ["nginx", "-g", "daemon off;"]
--> Running in 2a51207f0ca1
Removing intermediate container 2a51207f0ca1
--> 1f1df1400161
Successfully built 1f1df1400161
Successfully tagged nginx_job8:latest
debian@debian:~/job8$ |

```

On vérifie que l'image a bien été build :

```

debian@debian:~/job8$ docker images

```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
nginx_job8	latest	1f1df1400161	53 seconds ago	54MB

#5. On run le conteneur

```

debian@debian:~/job8$ docker run -d --name conteneur_job8 -p 8080:80 nginx_job8
0b955b8c41fe39dd8a3c77a9721260152fd4d19fbfd713338f9144f7bd9152b6

```

On vérifie que le conteneur a bien été créé :

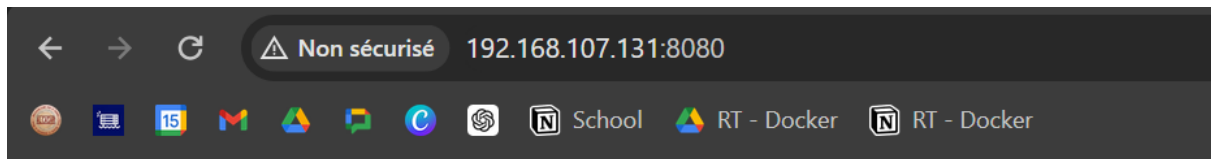
```

debian@debian:~/job8$ docker ps

```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS	NAMES
0b955b8c41fe	nginx_job8	"nginx -g 'daemon of..."	42 seconds ago	Up 42 seconds	443/tcp, 8080/tcp, 0.0.0.0:8080->80/tcp, :::8080->80/tcp	conteneur_job8

On vérifie que le conteneur est en cours d'exécution :



Welcome to my JOB 8 !

Doc suivie : <https://medium.com/nerd-for-tech/deploy-a-custom-nginx-docker-image-and-push-it-to-docker-hub-118f1ab2186b>