

# Communication Anglaise

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## Mission 1

Step 1 :First, I install Docker Engine on Debian

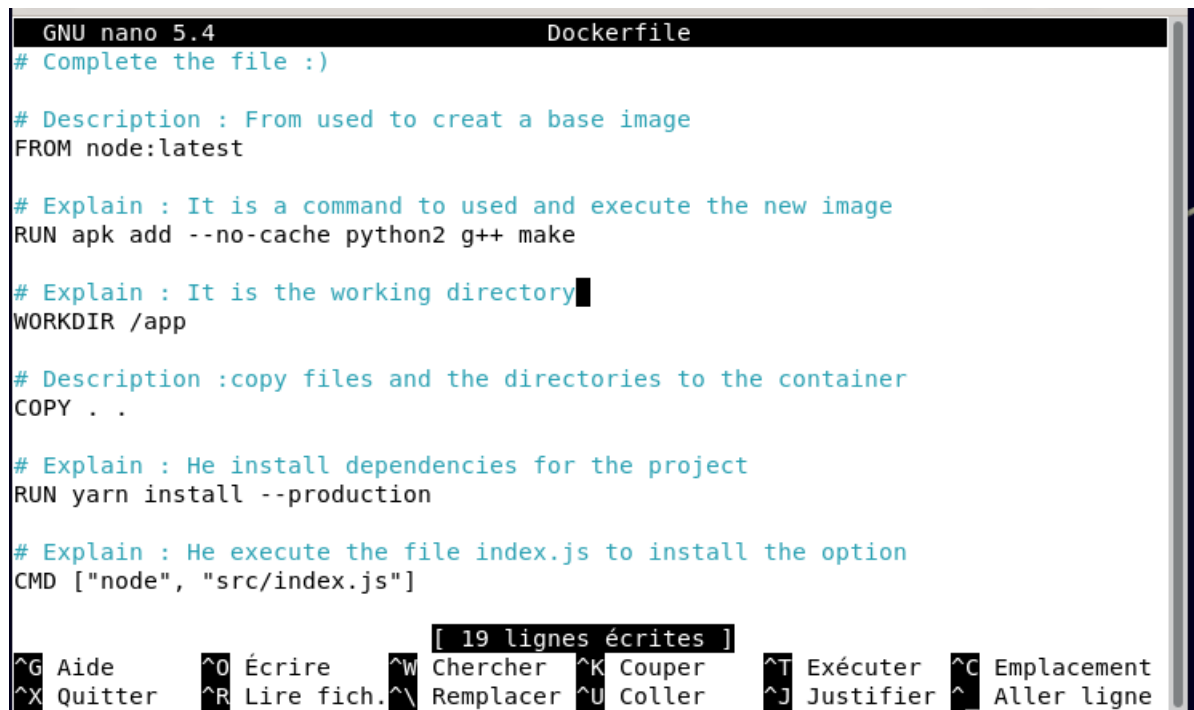
I update the apt package index and install packages.

I have download the lastest and I drop the file in my virtual debian.

Step 2 : We will need git to pull following repository from github. Now, we can run the Docker desk-top.

Step 3: Clone the repository github.

Step 4: Modify the file Dockerfile to install A2SR



```
GNU nano 5.4 Dockerfile
# Complete the file :)

# Description : From used to creat a base image
FROM node:latest

# Explain : It is a command to used and execute the new image
RUN apk add --no-cache python2 g++ make

# Explain : It is the working directory
WORKDIR /app

# Description :copy files and the directories to the container
COPY . .

# Explain : He install dependencies for the project
RUN yarn install --production

# Explain : He execute the file index.js to install the option
CMD ["node", "src/index.js"]

[ 19 lignes écrites ]
^G Aide      ^O Écrire    ^W Chercher  ^K Couper    ^T Exécuter  ^C Emplacement
^X Quitter   ^R Lire fich.^N Remplacer  ^U Coller    ^J Justifier  ^_ Aller ligne
```

He build the project and run the project :

- Docker build -t nodesaxelgavrit .

-docker run -p 127.0.0.:3000:3000 nodesaxelgavrit

Docker is very interest to create just the application. I create a contenair and isole all contenair. We don't have need more performance to launch the application. He is very practice to less the storage because we just install the service.

## Mission 2

Make a modification in : src/static/js/app.js

```
return (
  <Form onSubmit={submitNewItem}>
    <InputGroup className="mb-3">
      <Form.Control
        value={newItem}
        onChange={e => setNewItem(e.target.value)}
        type="text"
        placeholder="New car"
        aria-describedby="basic-addon1"
      />
      <InputGroup.Append>
        <Button
          type="submit"
          variant="success"
          disabled={!newItem.length}
          className={submitting ? 'disabled' : ''}
        >
          {submitting ? 'Adding...' : 'Add car'}
        </Button>
      </InputGroup.Append>
    </InputGroup>
  </Form>
);
```

Build and update the container

Docker build -t nodesaxelgavritv2 .

docker run -p 127.0.0.1 :3000:3000 nodesaxelgavritv2

Create an account and a public registry

gnp --generate-key

pass init CBC69578943CCCD8F8265C972015F3A137BE43C6

choose a pass phrase : 1234567890

Push your image

docker login

username

password

docker tag nodesaxelgavritv2 axelgavrit/nodesaxelgavritv2

docker push axelgavrit/nodesaxelgavritv2

```

root@master:/home/administrateur# docker image push axelgavrit/nodesaxelgavritv2
Using default tag: latest
The push refers to repository [docker.io/axelgavrit/nodesaxelgavritv2]
9e7b459e0204: Pushed
10b37a47944: Pushed
28c700e9b13: Pushed
34f1fa5863b: Pushed
cd484903201: Pushed
98e42232d41: Pushed
658e8b65f49: Pushed
2fb12b3f764: Pushed
dafd2b156dd: Pushed
52e2eadff76: Pushed
38226f36892: Pushed
3fcfc59d80ac: Pushed
latest: digest: sha256:8b0d72f47ac051cc1b92e95f4ce62cabd218a1362ece47ada5dfd4c09b7908ed size: 2845

```

docker pull wolfanto/todolist\_a2sr\_v2

The download finish i launch the new docker image by Antonin.

## Mission 3

The mission 3 is to save all the task whe you close the container and share all the projet to the gitHub.

I have a problem with the connection for the git, to resolve the problem i create a token in my github.

```

root@master:/home/administrateur/A2SR/Course_1# git push -u origin main
Username for 'https://github.com': axelgavrit
Password for 'https://axelgavrit@github.com':
remote: Support for password authentication was removed on August 13, 2021.
remote: Please see https://docs.github.com/en/get-started/getting-started-with-git/about-remote-repositories#cloning-with-https-urls for information on currently recommended modes of authentication.
fatal: Echec d'authentification pour 'https://github.com/axelgavrit/A2SR.git/'

root@master:/home/administrateur/A2SR/Course_1# git push -u origin main
Username for 'https://github.com': axelgavrit
Password for 'https://axelgavrit@github.com':
Énumération des objets: 55, fait.
Décompte des objets: 100% (55/55), fait.
Compression par delta en utilisant jusqu'à 3 fils d'exécution
Compression des objets: 100% (54/54), fait.
Écriture des objets: 100% (55/55), 4.41 Mio | 5.49 Mio/s, fait.
Total 55 (delta 3), réutilisés 0 (delta 0), réutilisés du pack 0
remote: Resolving deltas: 100% (3/3), done.
To https://github.com/axelgavrit/A2SR.git
 * [new branch]      main -> main
La branche 'main' est paramétrée pour suivre la branche distante 'main' depuis 'origin'.

```

## Conclusion

So for the first cours, I developp my skills for the Git and Docker. Git is a web iste to share all the code for all people and generate a new version will push a new code. Docker is plateform to use just application, no the all environnement of the operating system. I practice to install Docker and run a little application. I modified the code to personalize for me. And for the finish i share my code.