

## Connection à l'instance grâce à la clé SSH.pem dans le dossier Downloads :

```
root@DESKTOP-4BB2MNA:/mnt/c/Users/Leben/OneDrive/Documents/Webforce3/AWS_Cloud/Bootstrap# su benji
benji@DESKTOP-4BB2MNA:/mnt/c/Users/Leben/OneDrive/Documents/Webforce3/AWS_Cloud/Bootstrap$ cd /mnt/c/Users/Leben/Downloads/
benji@DESKTOP-4BB2MNA:/mnt/c/Users/Leben/Downloads$ ls
BENJI_SSH.pem      'Ninite Visual Studio Code Installer.exe'
ChromeSetup.exe    Wireshark-win64-3.6.7.exe
Nextcloud-3.5.4-x64.msi  desktop.ini
'Ninite FileZilla Firefox VLC Installer.exe'  orangefr_aa3dbbaa-93c4-494a-88b0-4b36f0ac4038.exe
'Ninite PuTTY Installer.exe'
benji@DESKTOP-4BB2MNA:/mnt/c/Users/Leben/Downloads$ ssh -i "BENJI_SSH.pem" ubuntu@ec2-13-39-80-192.eu-west-3.compute.amazonaws.com
```

## Création de conteneur (Docker) et d'un volume pour la mise en place d'un serveur apache :

```
root@ip-172-31-39-244:/home/ubuntu# docker run -d --name apache2-container -e TZ=UTC -p 8080:80 -v /local/path/to/website:/var/www/html ubuntu/apache2:latest
```

```
root@ip-172-31-39-244:/home/ubuntu# docker ps -a
```

CONTAINER ID	IMAGE	COMMAND	CREATED	STATUS	PORTS
1029e3758428	ubuntu/apache2:latest	"apache2-foreground"	59 seconds ago	Up 58 seconds	0.0.0.0:8080->80/tcp

```
root@ip-172-31-39-244:/home/ubuntu#
```

On attribue le nom « apache2-container » au docker.

### Arguments :

*ps* > Permet de lister

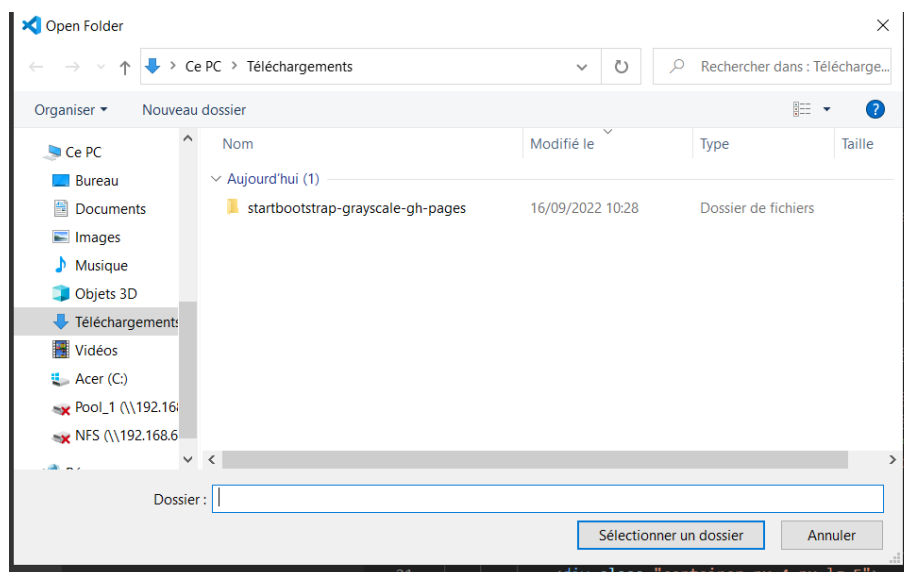
*-d* > Exécution en fond de tâche

*-e* > L'heure

*-p* > port 8080

*-v* > création du volume dans le dossier « /local/path/to/website »

## Télécharger une Template puis l'importer dans Visual Code :



## Création clé SSH sur la machine locale pour pouvoir push sur Github :

```
root@DESKTOP-4BB2MNA:/mnt/c/Users/Leben/Downloads/startbootstrap-grayscale-gh-pages# ssh-keygen
```

Faire un « less » dans le dossier .ssh/ (où la clé SSH est enregistrée) pour pouvoir copie la clé publique (id\_rsa.pub)

```
root@DESKTOP-4BB2MNA:/home/benji/.ssh# ls
id_rsa id_rsa.pub known_hosts known_hosts.old
root@DESKTOP-4BB2MNA:/home/benji/.ssh# less id_rsa.pub
```

Copier la clé publique :

```
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQGDxjOqo1IAlafzMiConNx9JihnpCqfIvfvQTUS1qwOL0wMCUyLG5Mn/8HAJIPBk6F64m4lie
0IcpQJ/0Qyz368L/Zw2EpZ0zxGYts08UyorK2xRvxcseXFJmQNbA4Yc4MoVlrfjT0JP0UfwGpooepR1uQis72LyVi/AefYNnRjmr7XyIkx9eS
iLOEwirhAJEwhgk/F2MKoUEP6aI6qgzDrdd1PE/078J/ZHKITkRxMN1bmUtjvPdvL2GkmDU/suKuCKyO2sE0qciIa/619Z/m7b8vM4HAwedk/q
JXrucc+7QlYns7f0kk1ncmdxCKZ2YO/w5jKJ4GTFay/ngaa30xU+KvdDmJy0i6KfnQIOycCk5Gx5uDDsK0jwPGbizmaDvxYPdvavXBHJlJaI2R
UH5svfvpd7xEvHbNGGleYxEN5MkwzEwB5pIBoXu90tNNhiBchTBiOxvQTnHj50g9Afo9NrGcm02mQ60sWVZcqn0F2qrCyJPDzMYNH9vvoPo7Ij
8= root@DESKTOP-4BB2MNA
id_rsa.pub (END)
```

Sur Github allez dans l'onglet Settings/SSH and GPG keys/Add SSH key puis copier la clé publique :

Public profile

Account

Appearance

Accessibility

Notifications

Access

Billing and plans

Emails

Password and authentication

**SSH and GPG keys**

Organizations

Moderation

Code, planning, and automation

Repositories

SSH keys / Add new

Title

key\_ssh\_local

Key type

Authentication Key

Key

ssh-rsa  
AAAAB3NzaC1yc2EAAAADAQABAAQGDxjOqo1IAlafzMiConNx9JihnpCqfIvfvQTUS1qwOL0wMCUyLG5Mn/8HAJIPBk6  
F64m4lie0IcpQJ/0Qyz368L/Zw2EpZ0zxGYts08UyorK2xRvxcseXFJmQNbA4Yc4MoVlrfjT0JP0UfwGpooepR1uQis72LyVi  
/AefYNnRjmr7XyIkx9eSiLOEwirhAJEwhgk/F2MKoUEP6aI6qgzDrdd1PE/078J/ZHKITkRxMN1bmUtjvPdvL2GkmDU  
/suKuCKyO2sE0qciIa/619Z/m7b8vM4HAwedk/qJXrucc+7QlYns7f0kk1ncmdxCKZ2YO/w5jKJ4GTFay  
/ngaa30xU+KvdDmJy0i6KfnQIOycCk5Gx5uDDsK0jwPGbizmaDvxYPdvavXBHJlJaI2RUH5svfvpd7xEvHbNGGleYxEN5Mkwz  
EwB5pIBoXu90tNNhiBchTBiOxvQTnHj50g9Afo9NrGcm02mQ60sWVZcqn0F2qrCyJPDzMYNH9vvoPo7Ij8=  
root@DESKTOP-4BB2MNA

Add SSH key

Lancement procédure de PUSH sur Github :

```
root@DESKTOP-4BB2MNA:/mnt/c/Users/Leben/Downloads/startbootstrap-grayscale-gh-pages# git init
hint: Using 'master' as the name for the initial branch. This default branch name
hint: is subject to change. To configure the initial branch name to use in all
hint: of your new repositories, which will suppress this warning, call:
hint:
hint:   git config --global init.defaultBranch <name>
hint:
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:
hint:   git branch -m <name>
Initialized empty Git repository in /mnt/c/Users/Leben/Downloads/startbootstrap-grayscale-gh-pages/.git/
root@DESKTOP-4BB2MNA:/mnt/c/Users/Leben/Downloads/startbootstrap-grayscale-gh-pages# git add ./
```

```

root@DESKTOP-4BB2MNA:/mnt/c/Users/Leben/Downloads/startbootstrap-grayscale-gh-pages# git commit -m "1er commit"
[master (root-commit) 3dd6dd8] 1er commit
Committer: root <root@DESKTOP-4BB2MNA.localdomain>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

    git config --global --edit

After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

9 files changed, 11961 insertions(+)
create mode 100644 assets/favicon.ico
create mode 100644 assets/img/bg-masthead.jpg
create mode 100644 assets/img/bg-signup.jpg
create mode 100644 assets/img/demo-image-01.jpg
create mode 100644 assets/img/demo-image-02.jpg
create mode 100644 assets/img/ipad.png
create mode 100644 css/styles.css
create mode 100644 index.html
create mode 100644 js/scripts.js
root@DESKTOP-4BB2MNA:/mnt/c/Users/Leben/Downloads/startbootstrap-grayscale-gh-pages# git branch -M main

root@DESKTOP-4BB2MNA:/mnt/c/Users/Leben/Downloads/startbootstrap-grayscale-gh-pages# git branch -M main
root@DESKTOP-4BB2MNA:/mnt/c/Users/Leben/Downloads/startbootstrap-grayscale-gh-pages# git remote add origin git@github.com:benjji95/
tuto_template.git
root@DESKTOP-4BB2MNA:/mnt/c/Users/Leben/Downloads/startbootstrap-grayscale-gh-pages# git push -u origin main

```

**Se connecter à l'instance pour récupérer le Template push par notre machine local :**

```

root@ip-172-31-39-244:/# ssh-keygen
Generating public/private rsa key pair.
Enter file in which to save the key (/root/.ssh/id_rsa):
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /root/.ssh/id_rsa
Your public key has been saved in /root/.ssh/id_rsa.pub
The key fingerprint is:
SHA256:L69Pa+0HuBkIq3DpWw02INNMPCCnLo+rUrQy1vG25M root@ip-172-31-39-244
The key's randomart image is:
+---[RSA 3072]-----+
|...|
| = + |
| 0 |
| = |
| = . S |
| .+ o . . |
| o.++ o o.o. |
| ==o+oE .*+. |
| =B0o .. +=o |
+---[SHA256]-----+
root@ip-172-31-39-244:/#

```

**Puis faire un « less » (Commande qui permet d'afficher le contenu du fichier dans un autre onglet) de la clé public et la copier dans Github :**

```

root@ip-172-31-39-244:/# cd root/.ssh/
root@ip-172-31-39-244:~/ssh# ls
authorized_keys id_rsa id_rsa.pub known_hosts known_hosts.old
root@ip-172-31-39-244:~/ssh# less id_rsa.pub
root@ip-172-31-39-244:~/ssh#

```

```

ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQGC6qkgc5Q0QeSwwmteJ+V6sGcNhjD6LNaKh/WMA5ixRL36uLcfGhd00WhAq/IQNcX9ZR/sVud2
xk/QSt6uqd/1UDdvKlWxMDdCj5Sg5rSfUuDk87s1MlFYGBpmAdfBpbT7co0W/h02k3/o8D/s9T3JKma6AhMjMZrEwTr0fuqz8008djf1GyOVL
99M3q0Ghr//qtmWLQoHvGxAAEHNF1jiWb1tZJLYKuALGUeeZRVUwJFfw0uc/6rg9o92370P5tryGfHZfUIV3r7YdkrgEDwLQITcqw8fs1y3lK
M9HjZ68+JHfz0Laa8+NVJYHuYgh8MvkmBhw8stN0TaXtIR2b360AQc0jMgWfV6pLhKcIQx1v+Dzu/LuHSNxb/wNfGfmmfEnaPBsr3tvk7uPaUd
xndzsHAZ9zgEluWZeKvVH0JFu+AyYzAf8VrAYj1kaKfF7bTvHzGyRvP9yfYxs/2b2d6M5+I/YpP3rebZMueJhVklwFn7x1FJFPuu0rVUeoejL9
8= root@ip-172-31-39-244
id_rsa.pub (END)

```

## Ajout de la clé SSH(Instance) sur Github :

The screenshot shows the GitHub 'SSH keys / Add new' page. On the left is a sidebar with navigation links: Public profile, Account, Appearance, Accessibility, Notifications, Access, Billing and plans, Emails, Password and authentication, SSH and GPG keys (selected), Organizations, Moderation, Code, planning, and automation, Repositories, and Packages. The main content area has a title 'SSH keys / Add new'. Below it, the 'Title' field contains 'Test\_cle\_EC2'. The 'Key type' dropdown is set to 'Authentication Key'. The 'Key' text area contains a long SSH key starting with 'ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQGC6qk5QqSwmteJ+V6sGcNhjD6LNaKh/WMA5ixRI36uLcfGhd00WhAq'. At the bottom right of the key area is a green 'Add SSH key' button.

## Récupérer la clé SSH sur Github pour la connexion à distance de l'instance :

The screenshot shows a GitHub repository page for 'benjji95/Tuto\_html.git'. At the top, it shows 'main' branch, '1 branch', and '0 tags'. Below is a table of files: 'assets' (first commit), 'css' (first commit), 'js' (first commit), and 'index.html' (first commit). A 'Clone' dialog is open, showing the 'SSH' tab selected. The dialog displays the SSH URL 'git@github.com:benjji95/Tuto\_html.git' and a note to 'Use a password-protected SSH key.' Other options in the dialog include 'Open with GitHub Desktop' and 'Download ZIP'.

## Allez dans le dossier /local/path/to/website renseigner lors de la création du docker volume :

```
root@ip-172-31-39-244:/local/path/to/website# git clone git@github.com:benjji95/Tuto_html.git
Cloning into 'Tuto_html'...
remote: Enumerating objects: 15, done.
remote: Counting objects: 100% (15/15), done.
remote: Compressing objects: 100% (13/13), done.
remote: Total 15 (delta 0), reused 15 (delta 0), pack-reused 0
Receiving objects: 100% (15/15), 1.08 MiB | 2.65 MiB/s, done.
root@ip-172-31-39-244:/local/path/to/website# ls
Tuto_html
```

Puis nous pouvons nous connecter à notre site internet via le navigateur grâce à l'adresse IP publique « 13.39.80.192 ainsi que le port 8080 » :

