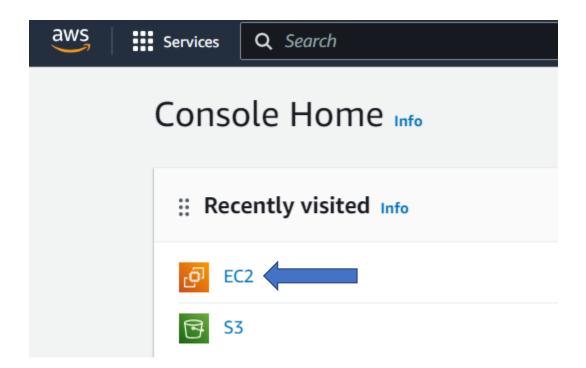
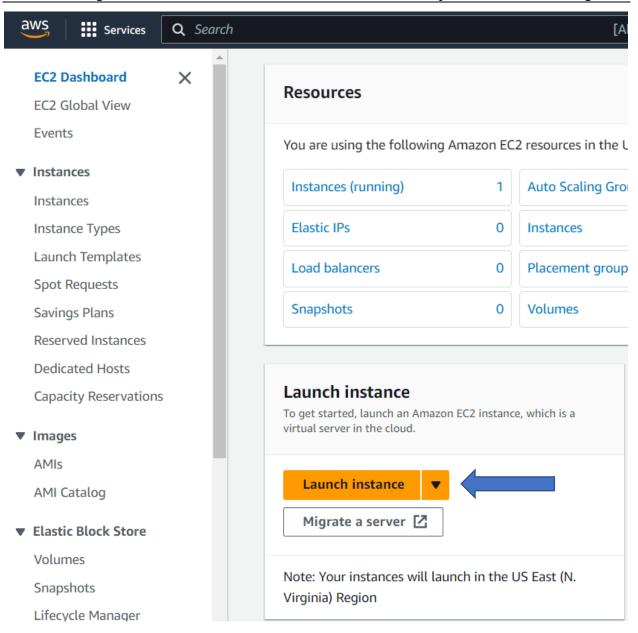
# Laboratoire pratique cloud

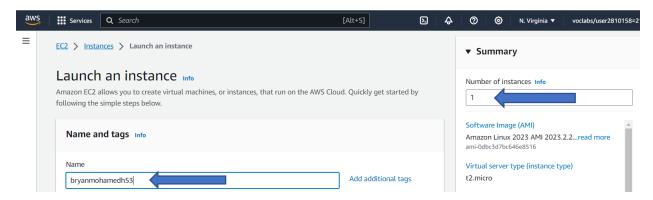
# OwnCloud

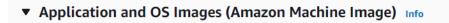
#### 1. Création de la machine virtuelle

Nous avons travaillé dans le service cloud AWS pour créer une machine virtuelle de type Ubuntu Server 22.04.



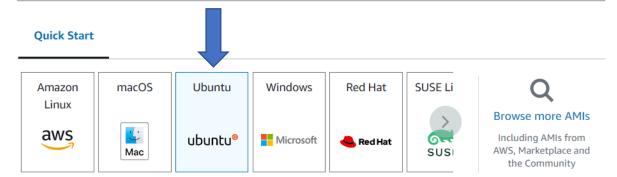






An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

**Q** Search our full catalog including 1000s of application and OS images



#### Amazon Machine Image (AMI)



ami-0fc5d935ebf8bc3bc (64-bit (x86)) / ami-016485166ec7fa705 (64-bit (Arm))

Virtualization: hvm ENA enabled: true Root device type: ebs

Description

Canonical, Ubuntu, 22.04 LTS, amd64 jammy image build on 2023-09-19

Architecture

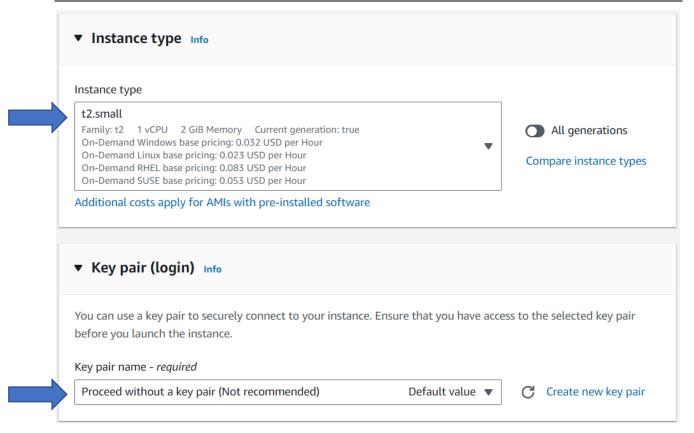
64-bit (x86) ▼

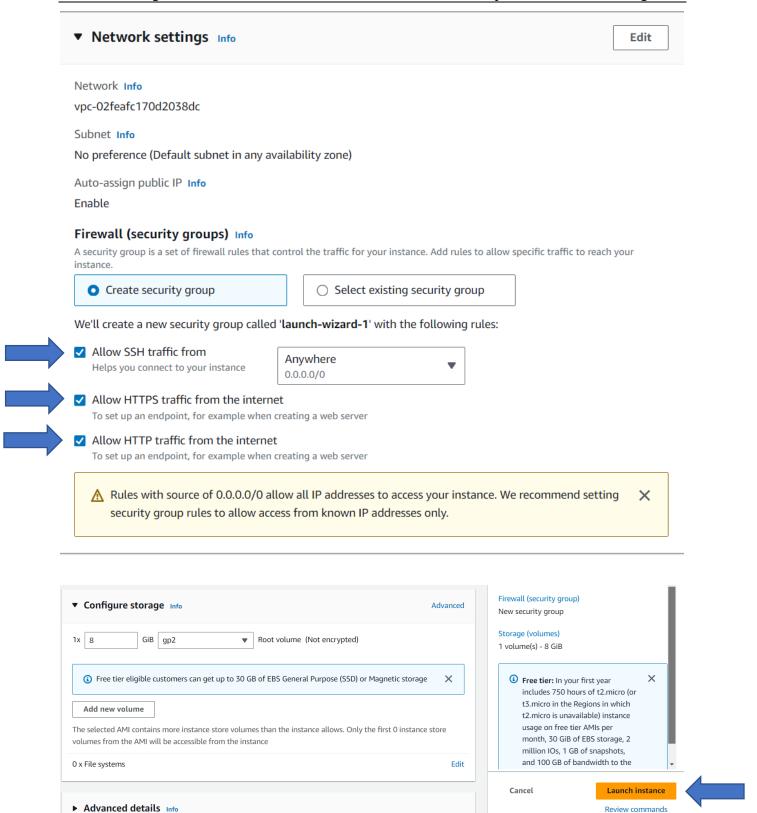
AMI ID

ami-0fc5d935ebf8bc3bc

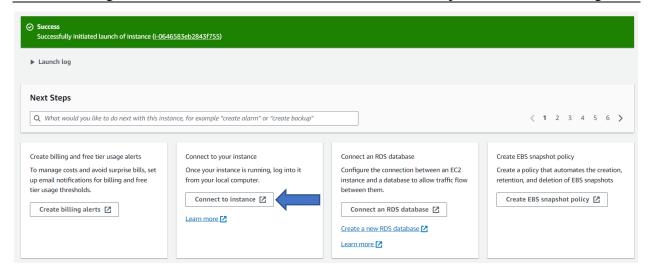
Verified provider

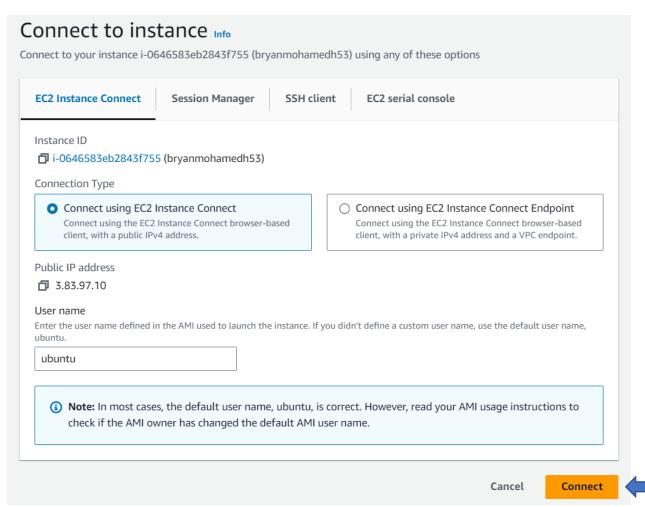
Free tier eligible



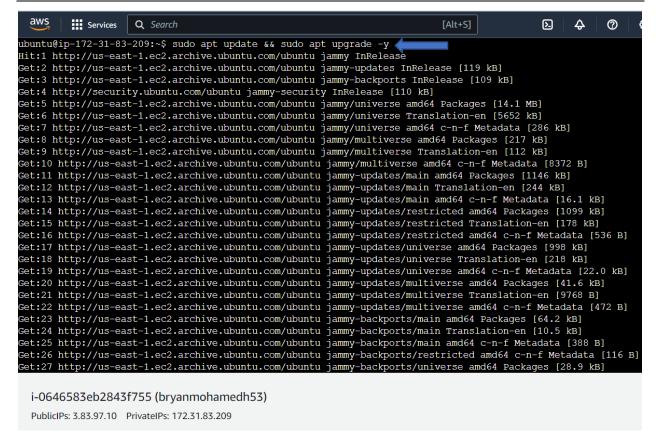


Nous avons connecté à notre instance.





Nous avons effectué les mises à jour à notre système.



Nous avons installé Apache2.

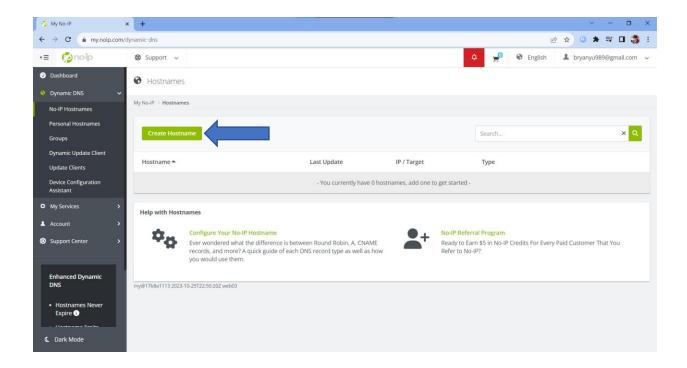
```
ubuntu@ip-172-31-83-209:~$ sudo apt install apache2 -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  apache2-bin apache2-data apache2-utils bzip2 libapr1 libapr
Suggested packages:
  apache2-doc apache2-suexec-pristine | apache2-suexec-custom
The following NEW packages will be installed:
  apache2 apache2-bin apache2-data apache2-utils bzip2 libapr
0 upgraded, 13 newly installed, 0 to remove and 0 not upgrade
Need to get 2137 kB of archives.
After this operation, 8505 kB of additional disk space will b
Get:1 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-up
Get:2 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-up
Get:3 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-up
Get:4 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-up
Get:5 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/ma
Get:6 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-up
Get:7 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-up
Get:8 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-up
Get:9 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/ma
Get:10 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/m
Get:11 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy-u
Get:12 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/m
Get:13 http://us-east-1.ec2.archive.ubuntu.com/ubuntu jammy/m
Fetched 2137 kB in 0s (24.5 MB/s)
Preconfiguring packages ...
```

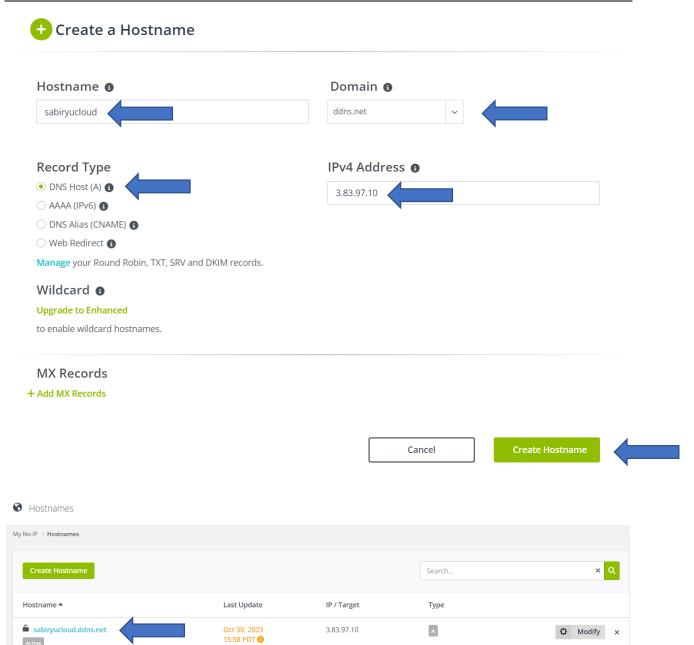
# i-0646583eb2843f755 (bryanmohamedh53)

PublicIPs: 3.83.97.10 PrivateIPs: 172.31.83.209

## 2. Utilisation d'un nom de domaine

Nous avons utilisé un nom de domaine pour notre site OwnCloud après l'avoir configuré dans le site No-IP.





## 3. Certification reconnue

Pour rendre notre site sécurisé, nous avons associé notre nom de domaine à un certificat reconnu.

```
ubuntu@ip-172-31-83-209:~$ sudo apt install snapd -y
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
snapd is already the newest version (2.58+22.04.1).
snapd set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
ubuntu@ip-172-31-83-209:~$
```

```
ubuntu@ip-172-31-83-209:~$ sudo apt-get remove certbot
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
Package 'certbot' is not installed, so not removed
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
ubuntu@ip-172-31-83-209:~$
```

```
ubuntu@ip-172-31-83-209:~$ sudo snap install certbot --classic certbot 2.7.3 from Certbot Project (certbot-eff√) installed ubuntu@ip-172-31-83-209:~$
```

```
ubuntu@ip-172-31-83-209:~$ sudo certbot --apache
Saving debug log to /var/log/letsencrypt/letsencrypt.log
Enter email address (used for urgent renewal and security notices)
(Enter 'c' to cancel): sabiryu123@gmail.com
```

```
Please read the Terms of Service at https://letsencrypt.org/documents/LE-SA-v1.3-September-21-2022.pdf. You must agree in order to register with the ACME server. Do you agree?

(Y)es/(N)o: Y
```

Would you be willing, once your first certificate is successfully issued, to share your email address with the Electronic Frontier Foundation, a founding partner of the Let's Encrypt project and the non-profit organization that develops Certbot? We'd like to send you email about our work encrypting the web, EFF news, campaigns, and ways to support digital freedom.

Please enter the domain name(s) you would like on your certificate (comma and/or space separated) (Enter 'c' to cancel): sabiryucloud.ddns.net

Successfully received certificate.

Certificate is saved at: /etc/letsencrypt/live/sabiryucloud.ddns.net/fullchain.pem

Key is saved at: /etc/letsencrypt/live/sabiryucloud.ddns.net/privkey.pem

This certificate expires on 2024-01-28.

These files will be updated when the certificate renews.

Certbot has set up a scheduled task to automatically renew this certificate in the background.

Deploying certificate

(Y)es/(N)o: N Account registered.

Successfully deployed certificate for sabiryucloud.ddns.net to /etc/apache2/sites-available/000-default-le-ssl.conf Congratulations! You have successfully enabled HTTPS on https://sabiryucloud.ddns.net

If you like Certbot, please consider supporting our work by:

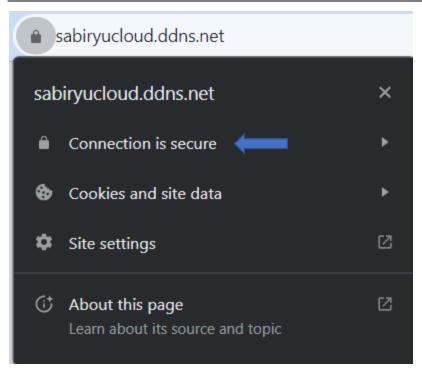
\* Donating to ISRG / Let's Encrypt: https://letsencrypt.org/donate

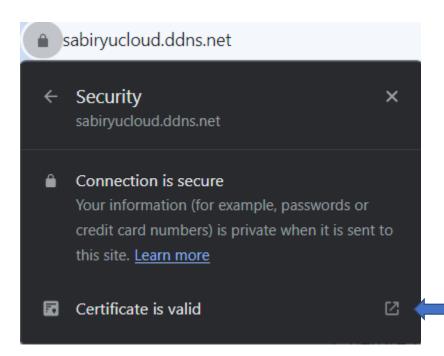
\* Donating to EFF: https://eff.org/donate-le

ubuntu@ip-172-31-83-209:~\$









# Certificate Viewer: sabiryucloud.ddns.net



#### General

Details

#### Issued To

Common Name (CN) sabiryucloud.ddns.net
Organization (O) <Not Part Of Certificate>
Organizational Unit (OU) <Not Part Of Certificate>

#### Issued By

Common Name (CN) R3

Organization (O) Let's Encrypt

Organizational Unit (OU) < Not Part Of Certificate>

#### Validity Period

Issued On Monday, October 30, 2023 at 6:01:52 PM Expires On Sunday, January 28, 2024 at 5:01:51 PM

#### SHA-256 Fingerprints

Certificate 9dcdd54c61a76a57cc7410f249f2953f86b8946cf36b0e9982acdc05e1c5

bbe6

Public Key 02c02fb1458a4b88ed1e59e5440eb0596326134fffb306fa7cca7041b66

8cd70

#### 4. Installation du serveur OwnCloud

Nous avons téléchargé un script Bash pour effectuer l'installation complète de notre serveur OwnCloud.

```
ubuntu@ip-172-31-83-209:~$ 1s owncloud.bash ubuntu@ip-172-31-83-209:~$ sudo chmod +x owncloud.bash ubuntu@ip-172-31-83-209:~$ sudo bash ./owncloud.bash
```

Procédons l'installation.

```
ownCloud was successfully installed ubuntu@ip-172-31-83-209:~$
```

### 5. Configuration du serveur OwnCloud

Puisque nous avons utilisé un nom de domaine configuré dans le site No-IP, nous avons redirigé notre site à ce nom de domaine.

```
ubuntu@ip-172-31-83-209:~$ cd /var/www/owncloud/config/ _____
ubuntu@ip-172-31-83-209:/var/www/owncloud/config$ sudo vim config.php
```

```
$CONFIG = array (
  'updatechecker' => false,
 'passwordsalt' => 'Z9BOfp4I09fAxXY4V6akdkj+/9vXCL',
  'secret' => 'IhYGxdc7qfXHeMPx5MSrLeUJCPTaPReoKQnsqLv/HubtXFdd',
  'trusted domains' =>
 array (
   0 => 'sabiryucloud.ddns.net',
  'datadirectory' => '/var/www/owncloud/data',
  'overwrite.cli.url' => 'http://localhost',
  'dbtype' => 'mysql',
  'version' => '10.9.1.2',
  'dbname' => 'ownclouddb',
  'dbhost' => 'localhost',
  'dbtableprefix' => 'oc_',
  'mysql.utf8mb4' => true,
  'dbuser' => 'oc root',
  'dbpassword' => 'Bft9x4jy68KWTBOgoRMC23687uCNOs',
  'allow user to change mail address' => '',
  'logtimezone' => 'UTC',
  'apps paths' =>
 array (
   0 =>
   array (
      'path' => '/var/www/owncloud/apps',
     'url' => '/apps',
:wa
```

## 6. Connexion au serveur OwnCloud

Nous sommes connectés sur la page de connexion du serveur OwnCloud.

