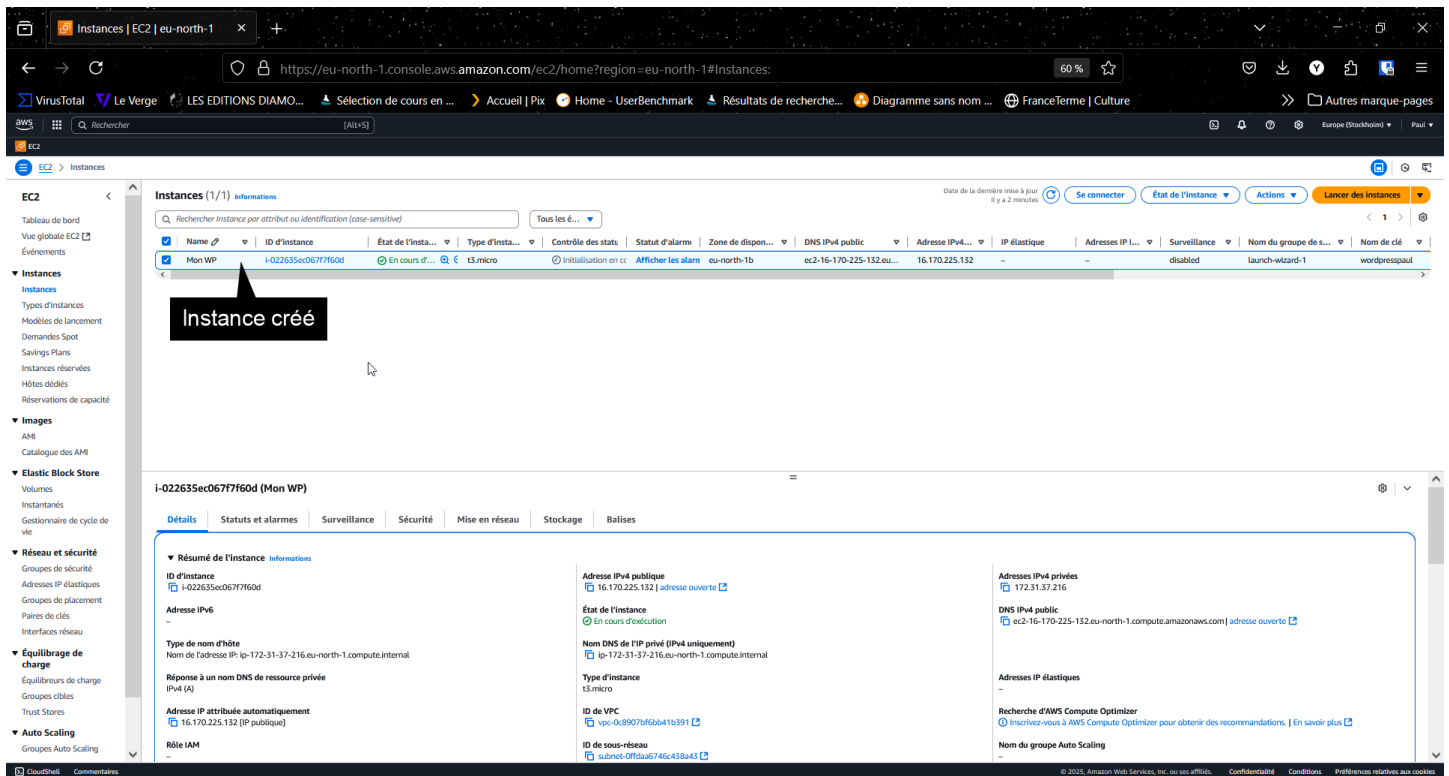


Livrable  
Attendu

## Table des matières

1.	Création de l'instance sur AWS qui va me permettre d'accueillir WordPress .....	3
2.	Installation Apache2 version 2.4.62 .....	3
3.	Installation php 8.2.28.....	4
4.	Installation MariaDB Server V.15.1 .....	5
5.	Création de la base donnée.....	5
6.	WordPress est installé sans certificat.....	6
7.	Déploiement du certificat avec le client Certbot .....	7
8.	Certificat Let's Encrypt.....	7
9.	Et voilà le Backoffice du CMS .....	8
10.	Vous trouverez ci-dessous le lien pointant vers mon WordPress.....	8

# 1. Création de l'instance sur AWS qui va me permettre d'accueillir WordPress



## 2. Installation Apache2 version 2.4.6

```
(Reading database ... 29492 files and directories currently installed.)
Preparing to unpack .../tzdata_2025b-0+deb12u1_all.deb ...
Unpacking tzdata (2025b-0+deb12u1) over (2025a-0+deb12u1) ...
Preparing to unpack .../libfreetype6_2.12.1+dfsg-5+deb12u4_amd64.deb ...
Unpacking libfreetype6:amd64 (2.12.1+dfsg-5+deb12u4) over (2.12.1+dfsg-5+deb12u3) ...
Setting up tzdata (2025b-0+deb12u1) ...

Current default time zone: 'Etc/UTC'
Local time is now:    Mon Mar 31 15:41:57 UTC 2025.
Universal Time is now: Mon Mar 31 15:41:57 UTC 2025.
Run 'dpkg-reconfigure tzdata' if you wish to change it.

Setting up libfreetype6:amd64 (2.12.1+dfsg-5+deb12u4) ...
Processing triggers for libc-bin (2.36-9+deb12u10) ...
admin@ip-172-31-37-216:~$ 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 libapr1 libaprutil1 libaprutil1-dbd-sqlite3 libaprutil1-ldap libgdbm-compat4 libjansson4 liblua5.3-0 libperl5.36
  perl perl-modules-5.36 ssl-cert
Suggested packages:
  apache2-doc apache2-suexec-pristine | apache2-suexec-custom www-browser perl-doc libterm-readline-gnu-perl | libterm-readline-perl-perl make
  libtap-harness-archive-perl
The following NEW packages will be installed:
  apache2 apache2-bin apache2-data apache2-utils libapr1 libaprutil1 libaprutil1-dbd-sqlite3 libaprutil1-ldap libgdbm-compat4 libjansson4 liblua5.3-0
  libperl5.36 perl perl-modules-5.36 ssl-cert
0 upgraded, 15 newly installed, 0 to remove and 0 not upgraded.
Need to get 9699 kB of archives.
After this operation, 57.0 MB of additional disk space will be used.
Get:1 file:/etc/apt/mirrors/debian.list Mirrorlist [38 B]
Get:2 https://cdn-aws.deb.debian.org/debian bookworm/main amd64 perl-modules-5.36 all 5.36.0-7+deb12u1 [2815 kB]
Get:3 https://cdn-aws.deb.debian.org/debian bookworm/main amd64 libgdbm-compat4 amd64 1.23-3 [48.2 kB]
Get:4 https://cdn-aws.deb.debian.org/debian bookworm/main amd64 libperl5.36 amd64 5.36.0-7+deb12u1 [4218 kB]
Get:5 https://cdn-aws.deb.debian.org/debian bookworm/main amd64 perl amd64 5.36.0-7+deb12u1 [239 kB]
Get:6 https://cdn-aws.deb.debian.org/debian bookworm/main amd64 libapr1 amd64 1.7.2-3+deb12u1 [102 kB]
Get:7 https://cdn-aws.deb.debian.org/debian bookworm/main amd64 libaprutil1 amd64 1.6.3-1 [87.8 kB]
Get:8 https://cdn-aws.deb.debian.org/debian bookworm/main amd64 libaprutil1-dbd-sqlite3 amd64 1.6.3-1 [13.6 kB]
Get:9 https://cdn-aws.deb.debian.org/debian bookworm/main amd64 libaprutil1-ldap amd64 1.6.3-1 [11.8 kB]
Get:10 https://cdn-aws.deb.debian.org/debian bookworm/main amd64 libjansson4 amd64 2.14-2 [40.8 kB]
Get:11 https://cdn-aws.deb.debian.org/debian bookworm/main amd64 liblua5.3-0 amd64 5.3.6-2 [123 kB]
Get:12 https://cdn-aws.deb.debian.org/debian bookworm/main amd64 apache2-bin amd64 2.4.62-1~deb12u2 [1386 kB]
```

```
admin@ip-172-31-37-216:~$ sudo apache2ctl -v
Server version: Apache/2.4.62 (Debian)
Server built: 2024-10-04 15:21:08
admin@ip-172-31-37-216:~$
```

### 3. Installation php 8.2.28

```
Creating config file /etc/php/8.2/mods-available/zip.ini with new version
Setting up fontconfig-config (2.14.1-4) ...
Setting up php8.2-mbstring (8.2.28-1~deb12u1) ...

Creating config file /etc/php/8.2/mods-available/mbstring.ini with new version
Setting up libheif1:amd64 (1.15.1-1+deb12u1) ...
Setting up php-mbstring (2:8.2+93) ...
Setting up php8.2-xml (8.2.28-1~deb12u1) ...

Creating config file /etc/php/8.2/mods-available/dom.ini with new version

Creating config file /etc/php/8.2/mods-available/simplexml.ini with new version

Creating config file /etc/php/8.2/mods-available/xml.ini with new version

Creating config file /etc/php/8.2/mods-available/xmlreader.ini with new version

Creating config file /etc/php/8.2/mods-available/xmlwriter.ini with new version

Creating config file /etc/php/8.2/mods-available/xsl.ini with new version
Setting up php-zip (2:8.2+93) ...
Setting up php-xml (2:8.2+93) ...
Setting up php-pear (1:1.10.13+submodules+notgz+2022032202-2) ...
Processing triggers for libapache2-mod-php8.2 (8.2.28-1~deb12u1) ...
Processing triggers for sgml-base (1.31) ...
Setting up libfontconfig1:amd64 (2.14.1-4) ...
Processing triggers for libc-bin (2.36-9+deb12u10) ...
Processing triggers for man-db (2.11.2-2) ...
Setting up libgd3:amd64 (2.3.3-9) ...
Setting up php8.2-gd (8.2.28-1~deb12u1) ...

Creating config file /etc/php/8.2/mods-available/gd.ini with new version
Setting up php-gd (2:8.2+93) ...
Processing triggers for php8.2-cli (8.2.28-1~deb12u1) ...
Processing triggers for libc-bin (2.36-9+deb12u10) ...
Processing triggers for libapache2-mod-php8.2 (8.2.28-1~deb12u1) ...
admin@ip-172-31-37-216:~$ php -v
PHP 8.2.28 (cli) (built: Mar 13 2025 18:21:38) (NTS)
Copyright (c) The PHP Group
Zend Engine v4.2.28, Copyright (c) Zend Technologies
    with Zend OPcache v8.2.28, Copyright (c), by Zend Technologies
admin@ip-172-31-37-216:~$
```

## 4. Installation MariaDB Server V.15.1

```
... skipping.

By default, a MariaDB installation has an anonymous user, allowing anyone
to log into MariaDB without having to have a user account created for
them. This is intended only for testing, and to make the installation
go a bit smoother. You should remove them before moving into a
production environment.

Remove anonymous users? [Y/n] Y
... Success!

Normally, root should only be allowed to connect from 'localhost'. This
ensures that someone cannot guess at the root password from the network.

Disallow root login remotely? [Y/n]
... Success!

By default, MariaDB comes with a database named 'test' that anyone can
access. This is also intended only for testing, and should be removed
before moving into a production environment.

Remove test database and access to it? [Y/n]
- Dropping test database...
... Success!
- Removing privileges on test database...
... Success!

Reloading the privilege tables will ensure that all changes made so far
will take effect immediately.

Reload privilege tables now? [Y/n]
... Success!

Cleaning up...

All done! If you've completed all of the above steps, your MariaDB
installation should now be secure.

Thanks for using MariaDB!
admin@ip-172-31-37-216:~$ mariadb -v
mariadb Ver 15.1 Distrib 10.11.11-MariaDB, for debian-linux-gnu (x86_64) using EditLine wrapper
admin@ip-172-31-37-216:~$
```

## 5. Création de la base donnée

```
admin@ip-172-31-47-133:/tmp$ mysql -u root -p
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 39
Server version: 10.11.11-MariaDB-0+deb12u1 Debian 12

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]> create database wordpress_ais;
Query OK, 1 row affected (0.000 sec)

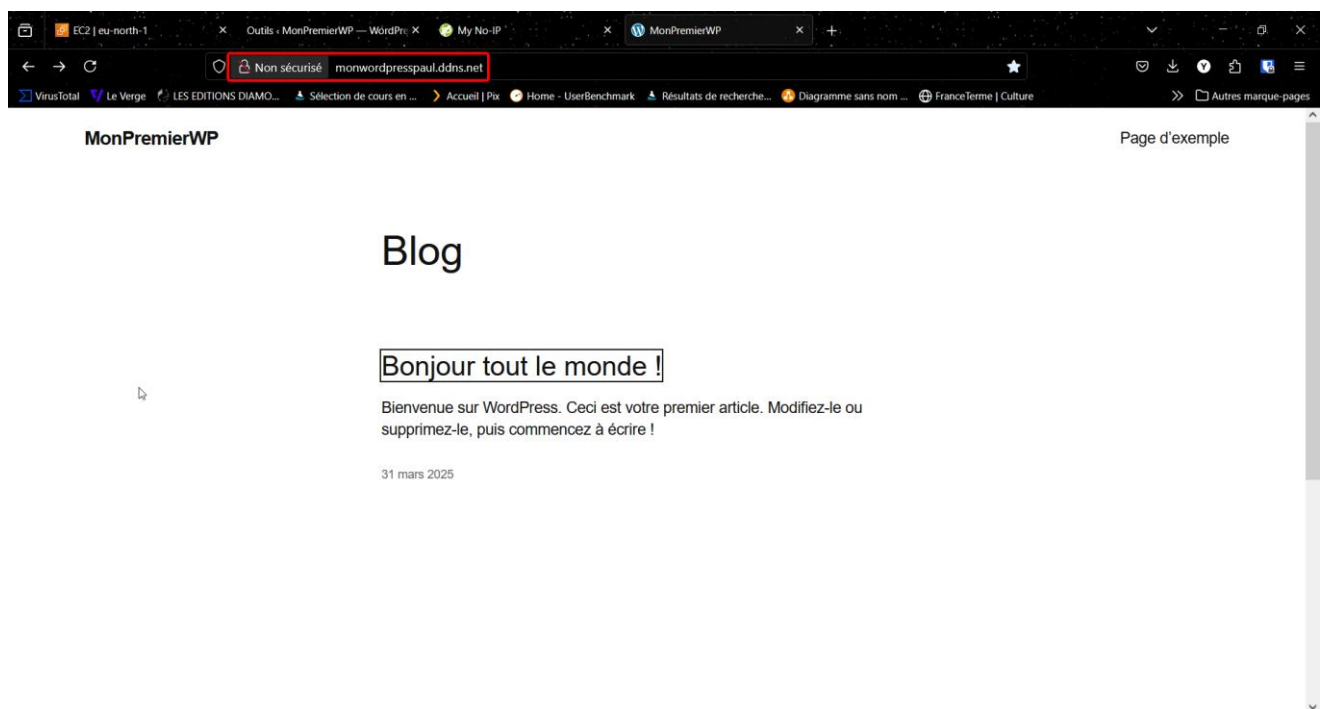
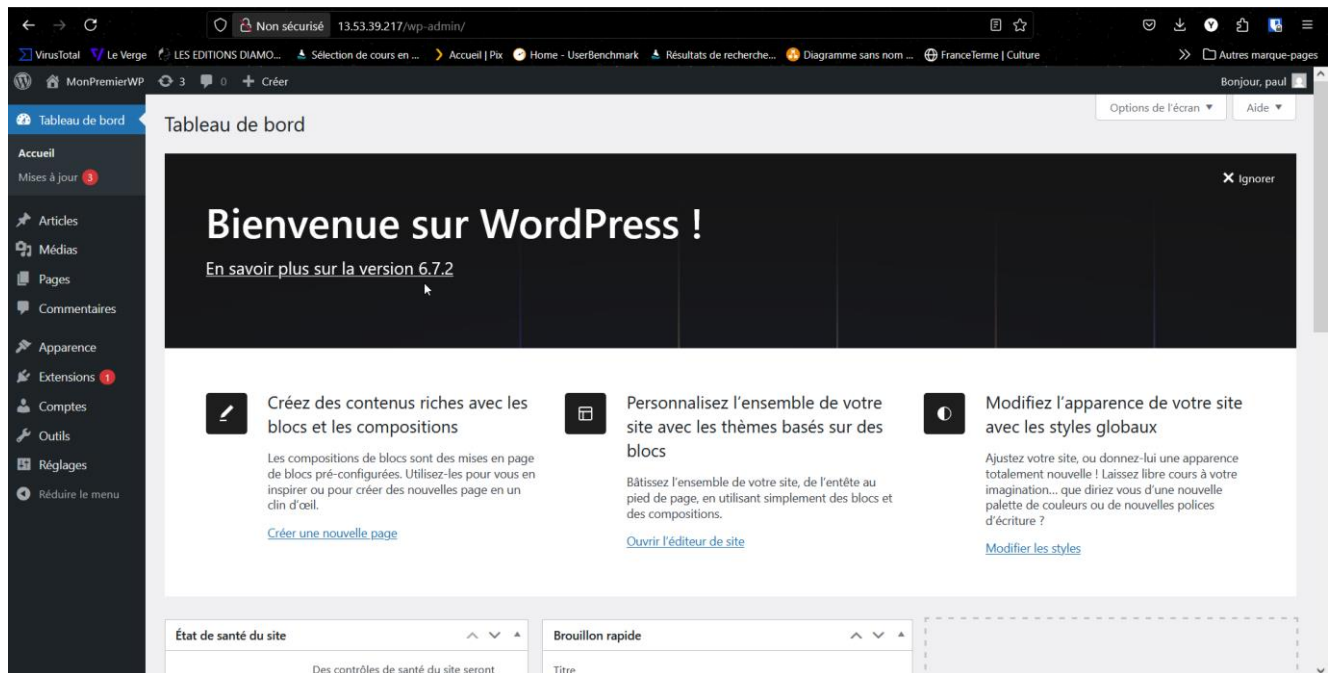
MariaDB [(none)]> CREATE USER amin_paul@localhost IDENTIFIED BY ' ';
Query OK, 0 rows affected (0.002 sec)

MariaDB [(none)]> GRANT ALL PRIVILEGES ON wordpress.* TO amin_paul@localhost IDENTIFIED BY ' ';
Query OK, 0 rows affected (0.001 sec)

MariaDB [(none)]> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.000 sec)

MariaDB [(none)]>
MariaDB [(none)]> EXIT;
Bye
admin@ip-172-31-47-133:/tmp$
```

## 6. WordPress est installé sans certificat



## 7. Déploiement du certificat avec le client Certbot

```
Processing triggers for man-db (2.11.2-2) ...
Processing triggers for libc-bin (2.36-9+deb12u10) ...
admin@ip-172-31-47-133:~$ sudo certbot --apache -d monwordpresspaul.ddns.net
Saving debug log to /var/log/letsencrypt/letsencrypt.log
Enter email address (used for urgent renewal and security notices)
(Enter 'c' to cancel): vapaul@hotmail.fr

-----
Please read the Terms of Service at
https://letsencrypt.org/documents/LE-SA-v1.5-February-24-2025.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.
-----
(Y)es/(N)o: n
Account registered.
Requesting a certificate for monwordpresspaul.ddns.net

Successfully received certificate.
Certificate is saved at: /etc/letsencrypt/live/monwordpresspaul.ddns.net/fullchain.pem
Key is saved at: /etc/letsencrypt/live/monwordpresspaul.ddns.net/privkey.pem
This certificate expires on 2025-06-29.
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
Successfully deployed certificate for monwordpresspaul.ddns.net to /etc/apache2/sites-available/wordpress-le-ssl.conf
Congratulations! You have successfully enabled HTTPS on https://monwordpresspaul.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
-----
admin@ip-172-31-47-133:~$
```

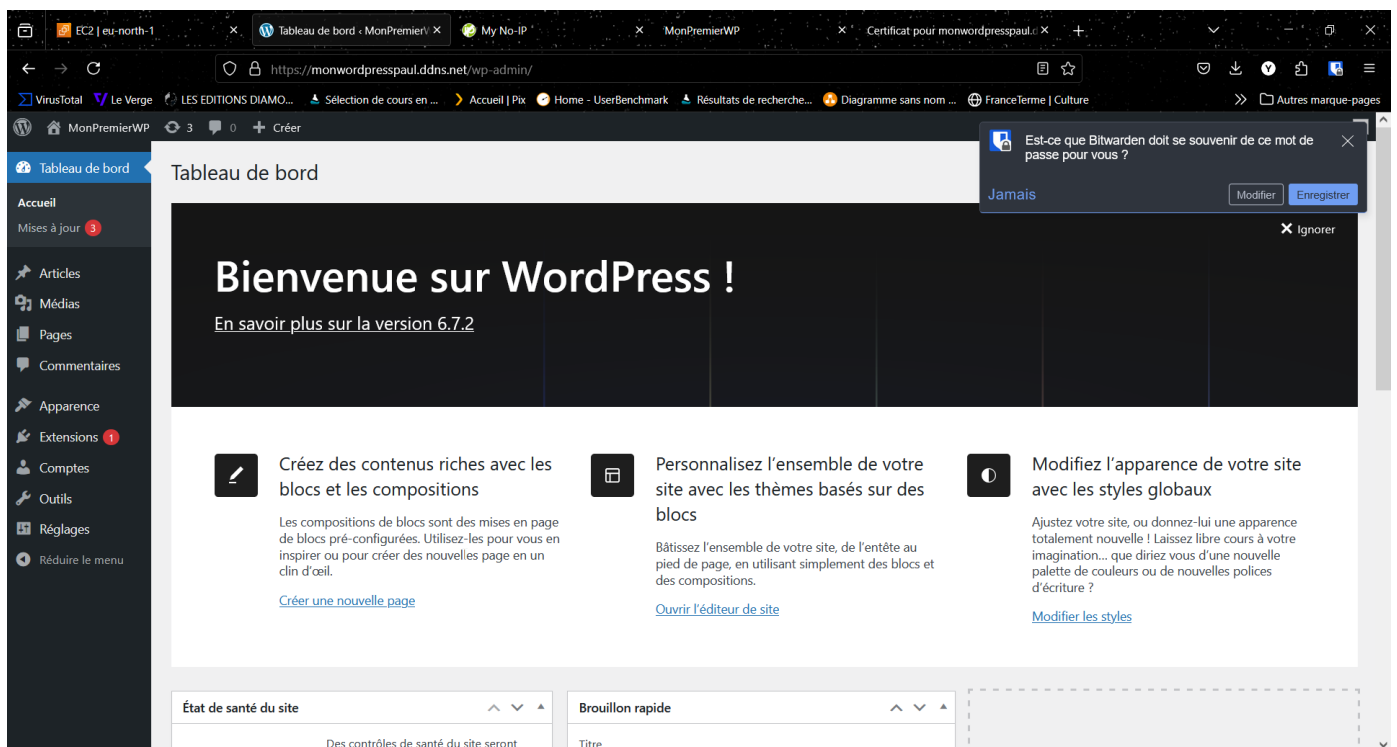
## 8. Certificat Let's Encrypt

Firefox browser window showing the certificate details for `monwordpresspaul.ddns.net`.

URL: `about:certificate?cert=MIIDwTCCA0EgAwIBAgISBvjgr%2FxbfvklAFRYeaZlgKkMAoGCCqGSM49BAMDMDIx CzAUBgNVBAYTAiFR...`

Certificat	
<b>monwordpresspaul.ddns.net</b>	E6
ISRG Root X1	
<b>Nom du sujet</b>	
Nom courant	monwordpresspaul.ddns.net
<b>Nom de l'émetteur</b>	
Pays	US
Organisation	Let's Encrypt
Nom courant	E6
<b>Validité</b>	
Pas avant	Mon, 31 Mar 2025 16:15:28 GMT
Pas après	Sun, 29 Jun 2025 16:15:27 GMT
<b>Noms alternatifs du sujet</b>	
Nom DNS	monwordpresspaul.ddns.net
<b>Informations sur la clé publique</b>	
Algorithme	Elliptic Curve
Taille de la clé	256
Valeur publique	04:9D:58:D9:BD:31:3C:1B:B8:E9:D2:A2:60:33:0E:78:0E:29:91:C8:8F:E5:2D:6D:1FF...

## 9. Et voilà le Backoffice du CMS



10. Vous trouverez ci-dessous le lien pointant vers mon WordPress  
<https://monwordpresspaul.ddns.net>