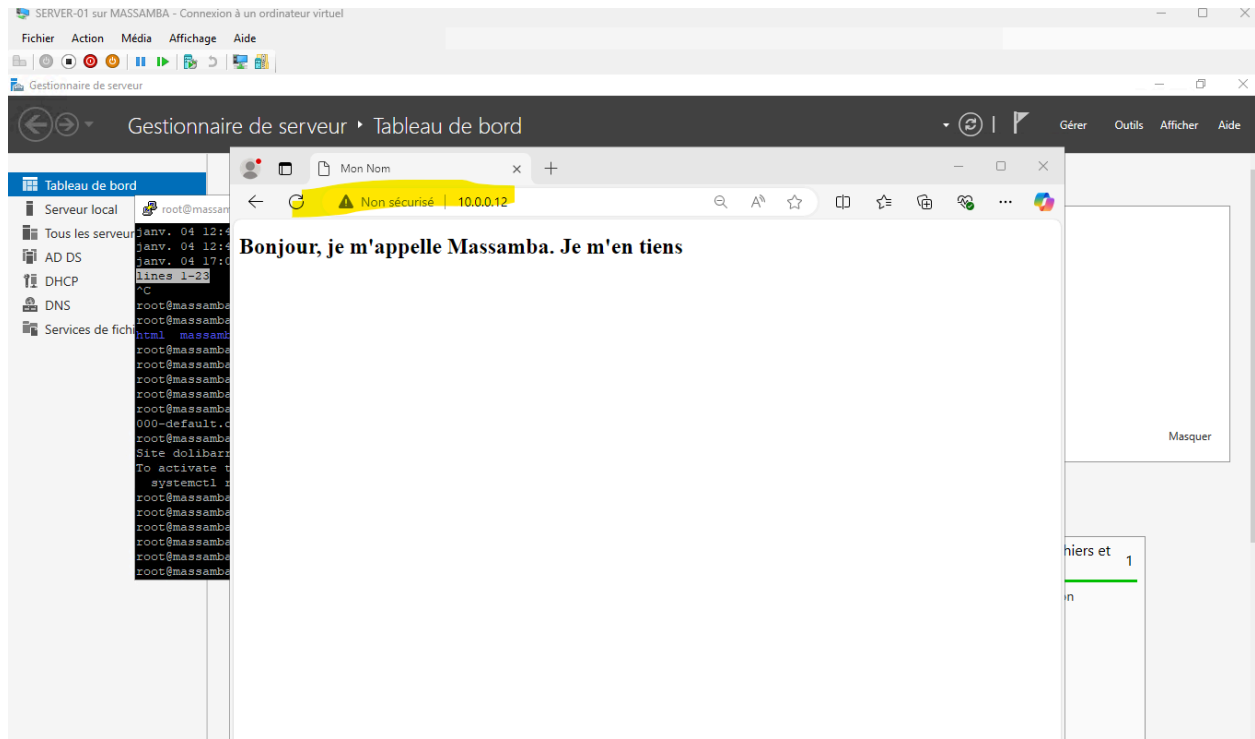


HTTP to HTTPS



Étape 1 : Activation de mod_ssl

```
sudo a2enmod ssl
sudo systemctl restart apache2
```

```
root@massamba:/var/www/massamba# sudo a2enmod ssl
Considering dependency setenvif for ssl:
Module setenvif already enabled
Considering dependency mime for ssl:
Module mime already enabled
Considering dependency socache_shmcb for ssl:
Enabling module socache_shmcb.
Enabling module ssl.
See /usr/share/doc/apache2/README.Debian.gz on how to configure SSL
elf-signed certificates.
To activate the new configuration, you need to run:
    systemctl restart apache2
root@massamba:/var/www/massamba# systemctl reload apache2
root@massamba:/var/www/massamba#
```

Étape 2 – Création du certificat SSL

Commande :

```
sudo openssl req -x509 -nodes -days 365 -newkey rsa:2048 -keyout  
/etc/ssl/private/apache-selfsigned.key -out /etc/ssl/certs/apache-selfsigned.crt
```

```

root@massamba: /var/www/massamba
-----
You are about to be asked to enter information that will be incorporated
into your certificate request.
What you are about to enter is what is called a Distinguished Name or a DN.
There are quite a few fields but you can leave some blank
For some fields there will be a default value,
If you enter '.', the field will be left blank.
-----
Country Name (2 letter code) [AU]:FR
State or Province Name (full name) [Some-State]:Nord
Locality Name (eg, city) []:Valenciennes
Organization Name (eg, company) [Internet Widgits Pty Ltd]:
Organizational Unit Name (eg, section) []:
Common Name (e.g. server FQDN or YOUR name) []:massamba
Email Address []:
root@massamba: /var/www/massamba#

```

Ajouter dans le fichier de configuration du site concerné les lignes suivantes :

Étape 3 – Configuration d'Apache pour utiliser SSL

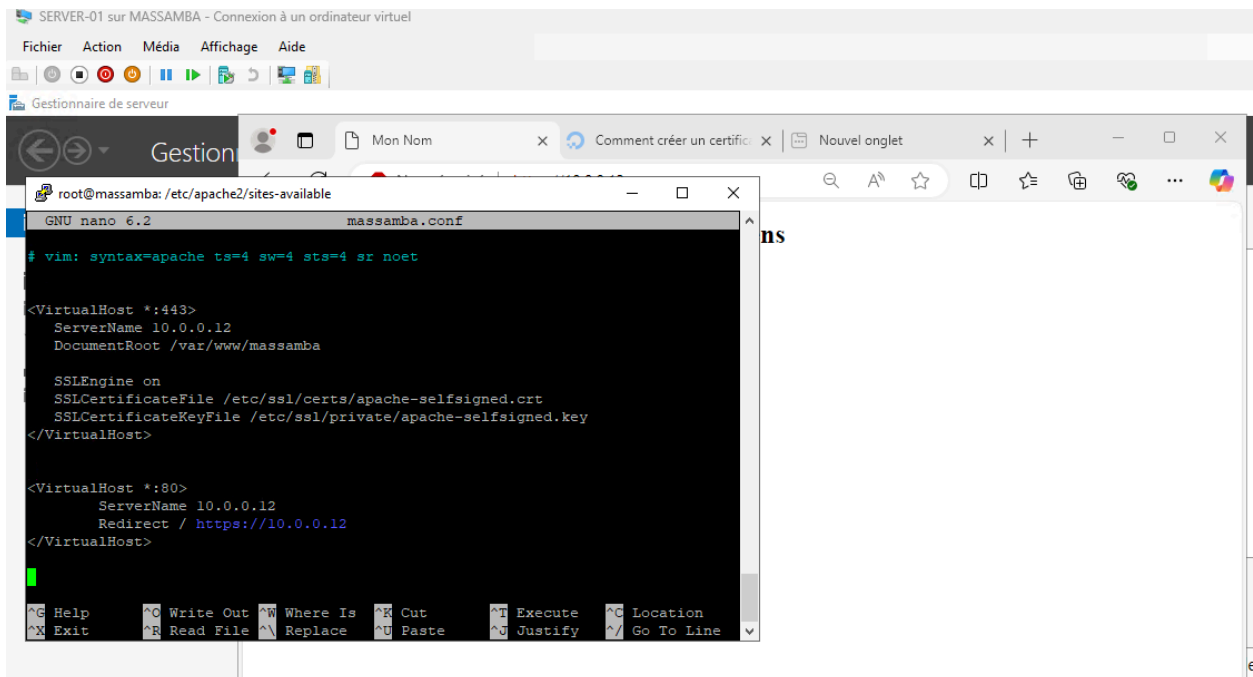
nano /etc/apache2/sites-available/massamba.conf

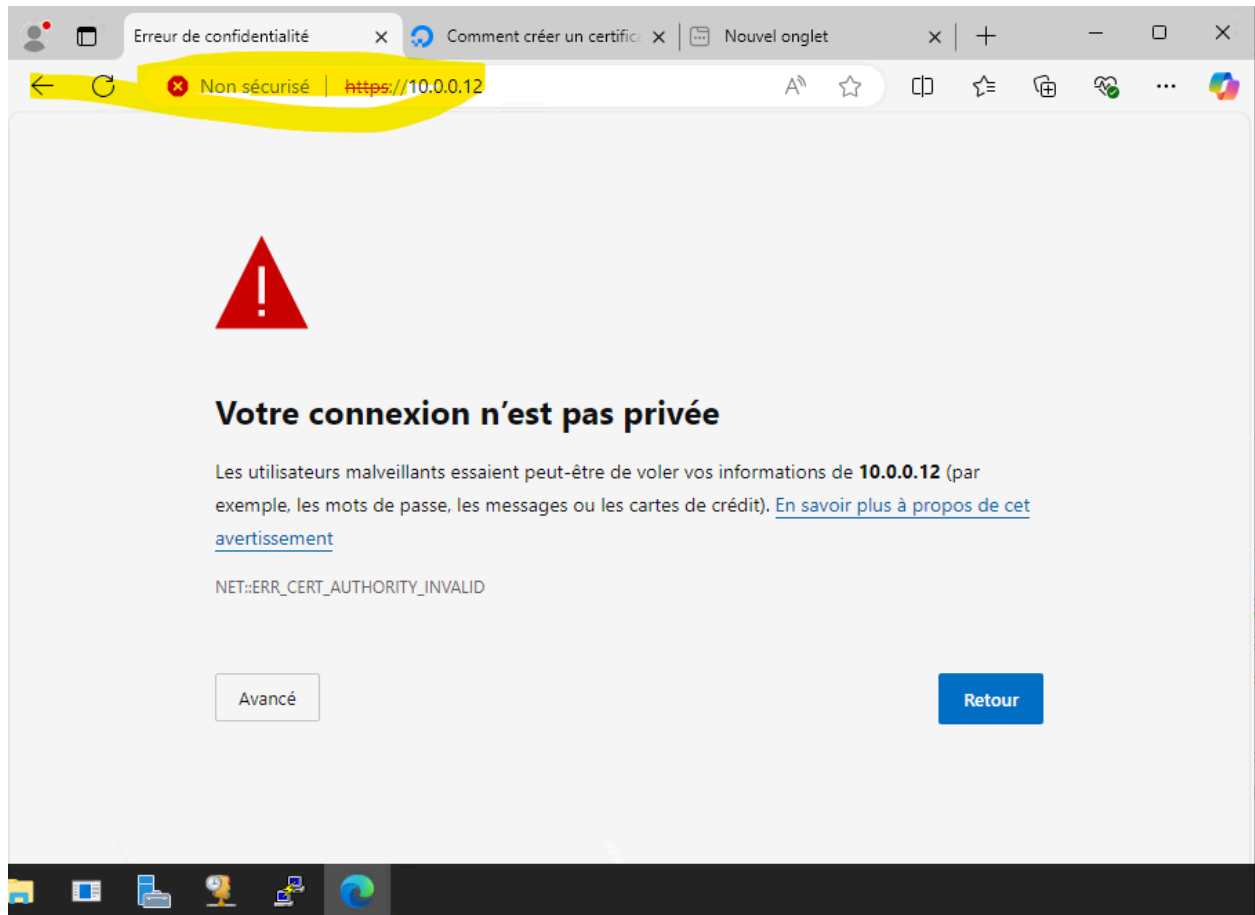
```
<VirtualHost *:443>
    ServerName 10.0.0.12
    DocumentRoot /var/www/massamba

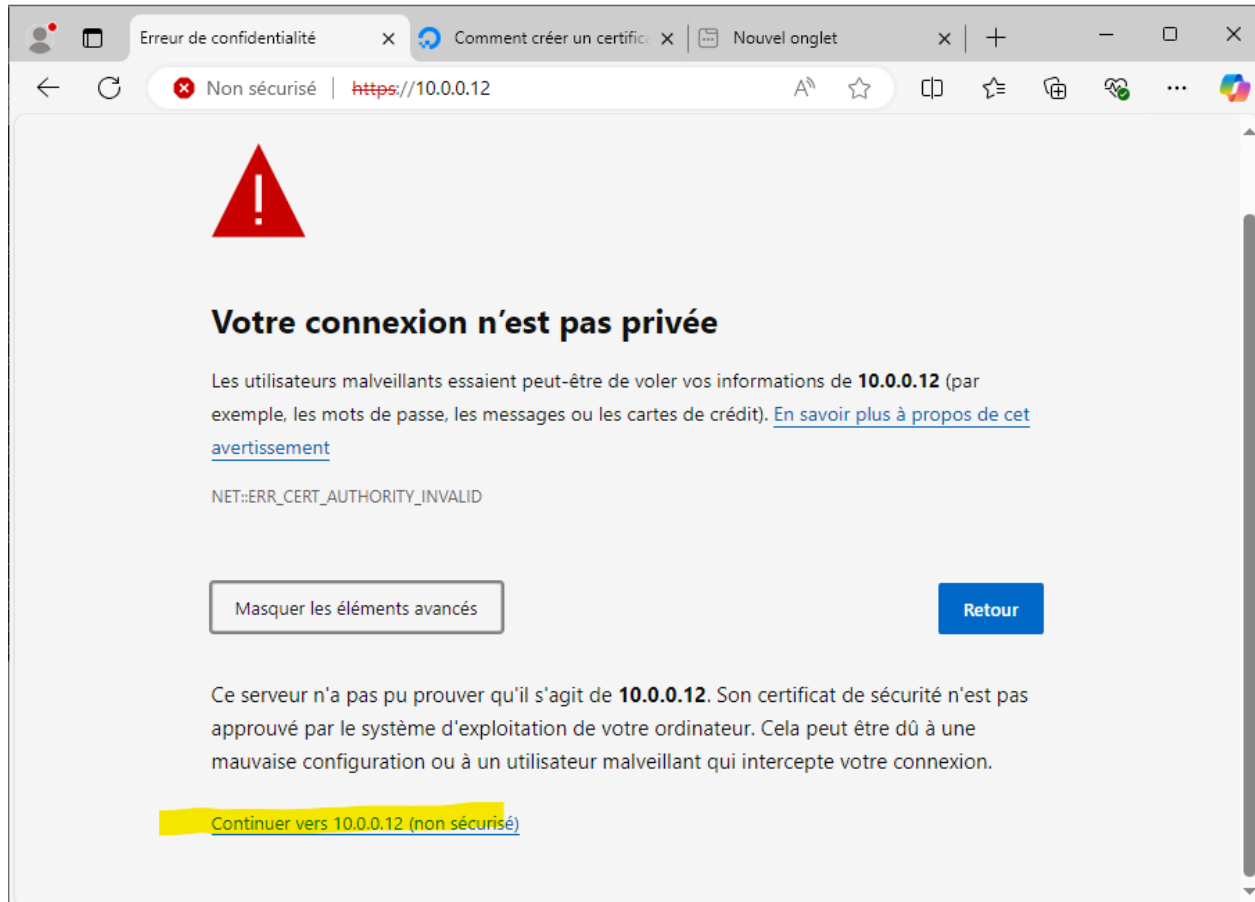
    SSLEngine on
    SSLCertificateFile /etc/ssl/certs/apache-selfsigned.crt
    SSLCertificateKeyFile /etc/ssl/private/apache-selfsigned.key
</VirtualHost>
```

Étape 4 — Redirection de HTTP vers HTTPS

```
<VirtualHost *:80>
    ServerName 10.0.0.12
    Redirect / https://10.0.0.12
</VirtualHost>
```







Source

<https://www.digitalocean.com/community/tutorials/how-to-create-a-self-signed-ssl-certificate-for-apache-in-ubuntu-20-04-fr>