

Création d'un reverse-proxy sur nginx et un serveur web apache pour héberger mon portefeuille

Installez Nginx

Installez Apache

Configurez Apache pour le portefeuille

Redémarrez Apache pour appliquer les changements :

Configurez Nginx en tant que reverse proxy : Créez un fichier de configuration pour Nginx, par exemple, `/etc/nginx/sites-available/portfolio`.

nginxCopy code

```
server { listen 80; server_name votredomaine.com www.votredomaine.com; location / { proxy_pass http://192.168.1.62:8080; # Port utilisé par Apache proxy_set_header Host $host; proxy_set_header X-Real-IP $remote_addr; proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for; proxy_set_header X-Forwarded-Proto $scheme; } # Autres configurations de sécurité (si nécessaire)... }
```

Créez un lien symbolique vers le répertoire `sites-enabled` :

Vérifiez la configuration Nginx :

Redémarrez Nginx pour appliquer les changements :

6. Testez le reverse proxy : Accédez à votre portefeuille en utilisant le nom de domaine que vous avez configuré. Nginx agira comme reverse proxy et transmettra les demandes à Apache.

mise à jour peut être appliquée immédiatement.

The list of available updates is more than a week old.
To check for new updates run: `sudo apt update`

```
hosni@ubuntu:~$ systemctl status apache
```

```
hosnie@ubuntu:~$ systemctl status apache2
```

```
Loaded: loaded (/lib/systemd/systemd/
```

Active: **active (running)** since Sat 2023-12-02 18:59:02 UTC; 43s ago

```
Process: 707 ExecStart=/usr/sbin/apachectl
```

```
Main PID: 871 (apache2)
Taskset: 0x0 (Apt-get)
```

TASKS: 55 (limit: 4493)
Memory: 8.0M

CPU: 58ms

CGroup: /sys

```
871 /usr/sbin/apache2 -k st
```

```
872 /usr/sbin/apache2 -k start
```

```
-873 /usr/sbin/apache2 -k start
```

```
dec. 02 18:59:02 Ubuntu apache2[765]: AH00558: apache2: Could not re
```

```
déc. 02 18:59:02 ubuntu systemd[1]: Started The Apache HTTP Server.
```

```
hosni@ubuntu:~$ sy
```

- `nginx.service` - A high performance w

```
Active: active (running) since Sat 2023-10-07 12:23:03 CEST; 1min 17s ago
```

Docs: man:nginx(8)

Process: 717 ExecStar

```
Process: 856 ExecStart=/usr/sbin/nginx -g daemon on; master_process on; (code=exited, status=0/SUCCESS)
```

Tasks: 5 (limit: 4493)

Memory: 10.9M

CPU: 38ms

Group: /sys

```
863 "nginx: master process
```

```
|865 "nginx: worker process" "" "" "" "" "" "" "" "" "" "" "" "" "" "" ""
```

[illegible]

```

007 nginx: worker process

```

```
58:54 ubuntu systemd[1]: Starting a high performance web server: nginx.
```

```
dec. 02 18:59:01 ubuntu systemd[1]: Started A high performance web server and a reverse proxy server...
```

Welcome to Ubuntu 22.04.3 LTS (GNU/Linux 5.15.0-88-generic x86_64)

* Documentation: <https://help.ubuntu.com>
* Management: <https://landscape.canonical.com>
* Support: <https://ubuntu.com/advantage>

System information as of sam. 02 déc. 2023 18:59:20 UTC

System load: 1.06005859375
Usage of /: 7.0% of 97.87GB
Memory usage: 6%
Swap usage: 0%
Temperature: 30.0 C
Processes: 146
Users logged in: 0
IPv4 address for enp3s0: 192.168.1.62
IPv6 address for enp3s0: 2a01:cb00:97c:3800:7627:eaff:fef9:a2f6

* Strictly confined Kubernetes makes edge and IoT secure. Learn how MicroK8s just raised the bar for easy, resilient and secure K8s cluster deployment.

<https://ubuntu.com/engage/secure-kubernetes-at-the-edge>

La maintenance de sécurité étendue pour Applications n'est pas activée.

0 mise à jour peut être appliquée immédiatement.

Enable ESM Apps to receive additional future security updates.
See <https://ubuntu.com/esm> or run: `sudo pro status`

The list of available updates is more than a week old.
To check for new updates run: `sudo apt update`

Last login: Mon Nov 13 19:48:24 UTC 2023 from 192.168.1.39 on pts/0
hosni@ubuntu:~\$ systemctl status apache

Unit apache.service could not be found.
hosni@ubuntu:~\$ systemctl status apache2

```
• apache2.service - The Apache HTTP Server
  Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preset: enabled)
  Active: active (running) since Sat 2023-12-02 18:59:02 UTC; 43s ago
  Docs: https://httpd.apache.org/docs/2.4/
  Process: 707 ExecStart=/usr/sbin/apachectl start (code=exited, status=0/SUCCESS)
  Main PID: 871 (apache2)
  Tasks: 55 (limit: 4493)
  Memory: 8.0M
  CPU: 58ms
  CGroup: /system.slice/apache2.service
          └─871 /usr/sbin/apache2 -k start
            └─872 /usr/sbin/apache2 -k start
              └─873 /usr/sbin/apache2 -k start
```

déc. 02 18:58:54 ubuntu systemd[1]: Starting The Apache HTTP Server...

déc. 02 18:59:02 ubuntu apachectl[765]: AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 127.0.1.1. Set the 'ServerName'...

déc. 02 18:59:02 ubuntu systemd[1]: Started The Apache HTTP Server.

déc. 02 18:59:02 ubuntu systemd[1]: Started The Apache HTTP Server.


```
# If you just change the port or add more ports here, you will likely also
# have to change the VirtualHost statement in
# /etc/apache2/sites-enabled/000-default.conf
```

```
Listen 8080
```

```
<IfModule ssl_module>
    Listen 443
```

```
</IfModule>
```

```
<IfModule mod_gnutls.c>
    Listen 443
```

```
</IfModule>
```

```
# vim: syntax=apache ts=4 sw=4 sts=4 sr noet
```

```
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```

```
hoani@ubuntu:~$ vim /etc/apache2/ports.conf _
```

```

<VirtualHost *:8080>
# The ServerName directive sets the request scheme, hostname and port that
# the server uses to identify itself. This is used when creating
# redirection URLs. In the context of virtual hosts, the ServerName
# specifies what hostname must appear in the request's Host: header to
# match this virtual host. For the default virtual host (this file) this
# value is not decisive as it is used as a last resort host regardless.
# However, you must set it for any further virtual host explicitly.
#ServerName www.example.com

ServerAdmin webmaster@localhost
DocumentRoot /var/www/html

# Available loglevels: trace8, ..., trace1, debug, info, notice, warn,
# error, crit, alert, emerg.
# It is also possible to configure the loglevel for particular
# modules, e.g.
#LogLevel info ssl:warn

ErrorLog ${APACHE_LOG_DIR}/error.log
CustomLog ${APACHE_LOG_DIR}/access.log combined

# For most configuration files from conf-available/, which are
# enabled or disabled at a global level, it is possible to
# include a line for only one particular virtual host. For example the
# following line enables the CGI configuration for this host only
# after it has been globally disabled with "a2disconf".
#Include conf-available/serve-cgi-bin.conf
</VirtualHost>

```

```

# vim: syntax=apache ts=4 sw=4 sts=4 sr noet

```

```

"/etc/apache2/sites-available/000-default.conf" [lecture-seule] 31L, 1335B

```

1,1

DELL


```

-871 /usr/sbin/apache2 -k start
-872 /usr/sbin/apache2 -k start
-873 /usr/sbin/apache2 -k start

déc. 02 18:58:54 ubuntu systemd[1]: Starting The Apache HTTP Server...
déc. 02 18:59:02 ubuntu apachectl[765]: AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 127.0.1.1. Set the
déc. 02 18:59:02 ubuntu systemd[1]: Started The Apache HTTP Server.

hosni@ubuntu:~$ ^C
hosni@ubuntu:~$ systemctl status nginx
• nginx.service - A high performance web server and a reverse proxy server
   Loaded: loaded (/lib/systemd/system/nginx.service; enabled; vendor preset: enabled)
   Active: active (running) since Sat 2023-12-02 18:59:01 UTC; 1min 8s ago
     Docs: man:nginx(8)
  Process: 717 ExecStartPre=/usr/sbin/nginx -t -q -g daemon on; master_process on; (code=exited, status=0/SUCCESS)
  Process: 856 ExecStart=/usr/sbin/nginx -g daemon on; master_process on; (code=exited, status=0/SUCCESS)
 Main PID: 863 (nginx)
    Tasks: 5 (limit: 4493)
   Memory: 10.9M
      CPU: 38ms
  CGroup: /system.slice/nginx.service
          └─863 "nginx: master process /usr/sbin/nginx -g daemon on; master_process on;"
            └─864 "nginx: worker process"
              └─865 "nginx: worker process"
                └─866 "nginx: worker process"
                  └─867 "nginx: worker process"

déc. 02 18:58:54 ubuntu systemd[1]: Starting A high performance web server and a reverse proxy server...
déc. 02 18:59:01 ubuntu systemd[1]: Started A high performance web server and a reverse proxy server.
hosni@ubuntu:~$ ipconfig
Command 'ipconfig' not found, did you mean:
  command 'ifconfig' from deb net-tools (1.60+git20181103.0eebece-1ubuntu5)
  command 'iconfig' from deb ipmitool (3.1.8-1)
  command 'iwconfig' from deb wireless-tools (30~pre9-13.1ubuntu4)
Try: sudo apt install <deb name>
hosni@ubuntu:~$ ifconfig
enp3s0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 192.168.1.62 netmask 255.255.255.0 broadcast 192.168.1.255
    inet6 fe80::7627:eaff:fef9:a2f6 prefixlen 64 scopeid 0x20<link>
    inet6 2a01:cb00:97c:3800:7627:eaff:fef9:a2f6 prefixlen 64 scopeid 0x0<global>
    ether 74:27:ea:f9:a2:f6 txqueuelen 1000 (Ethernet)
    RX packets 637 bytes 344547 (344.5 KB)
    RX errors 0 dropped 56 overruns 0 frame 0
    TX packets 154 bytes 26505 (26.5 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    inet6 ::1 prefixlen 128 scopeid 0x10<host>
    loop txqueuelen 1000 (Local Loopback)
    RX packets 96 bytes 7560 (7.5 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 96 bytes 7560 (7.5 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

hosni@ubuntu:~$ vim /etc/apache2/sites-available/000-default.conf _

```

Mon Portfolio

[Accueil](#) [À propos](#) [Projets](#)

TS SIO, option SISR

HELLO! Je suis Hosni

Titulaire d'un BAC spé Maths, j'ai décidé de continuer mes études dans le domaine des systèmes et de l'architecture réseau. Admis à l'école d'enseignement supérieur ENSITECH en BTS SIO et passionné par l'informatique depuis mon plus jeune âge, je souhaite continuer l'an prochain à me former dans ce domaine, plus précisément dans un bachelor **NETWORKS, SECURITY AND SYSTEMS**. Tout cela, afin d'y bâtir une carrière professionnelle solide et de mettre à profit mes connaissances que j'aurais acquises. J'espère qu'à travers ce portfolio vous aurez autant de plaisir à consulter mes projets que j'en ai eu en les réalisant!

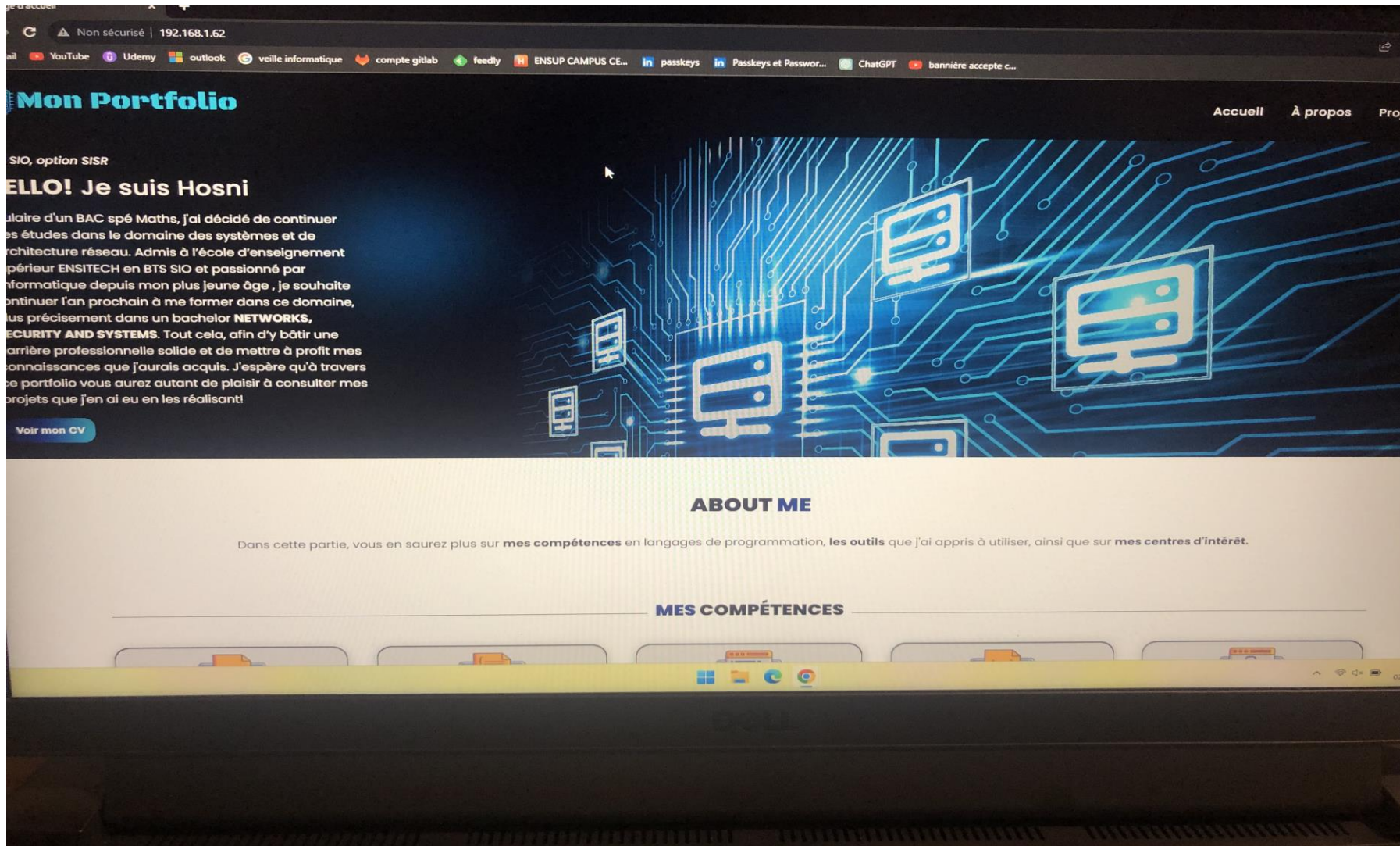
[Voir mon CV](#)

ABOUT ME

Dans cette partie, vous en saurez plus sur **mes compétences** en langages de programmation, **les outils** que j'ai appris à utiliser, ainsi que sur **mes centres d'intérêt**.

MES COMPÉTENCES

2021
6/2/12/2021



```

##
# You should look at the following URL's in order to grasp a solid understanding
# of Nginx configuration files in order to fully unleash the power of Nginx.
# https://www.nginx.com/resources/wiki/start/
# https://www.nginx.com/resources/wiki/start/topics/tutorials/config_pitfalls/
# https://wiki.debian.org/Nginx/DirectoryStructure
#
# In most cases, administrators will remove this file from sites-enabled/ and
# leave it as reference inside of sites-available where it will continue to be
# updated by the nginx packaging team.
#
# This file will automatically load configuration files provided by other
# applications, such as Drupal or Wordpress. These applications will be made
# available underneath a path with that package name, such as /drupal8.
#
# Please see /usr/share/doc/nginx-doc/examples/ for more detailed examples.
##

# Default server configuration
#
server {
    listen 80 default_server;
    listen [::]:80 default_server;

    root /var/www/html;

    # Add index.php to the list if you are using PHP
    index index.html index.htm index.nginx-debian.html;

    server_name _;

    location / {
        try_files $uri $uri/ =404;
        proxy_pass http://192.168.1.62:8080;
        proxy_set_header Host $host;
        proxy_set_header X-Real-IP $remote_addr;
        proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
        proxy_set_header X-Forwarded-Proto $scheme;
    }
}

}

"/etc/nginx/sites-available/default" [lecture-seule] 42L, 1360B

```