

Configurer Nginx pour GeoNature Atlas

- **Notes** : nous voulons une adresse web principal de type `<alias>.<domaine-sinp>` pour l'Atlas. L'adress `atlas.<domaine-sinp>` doit être redirigé vers `<alias>.<domaine-sinp>`.
- Créer un fichier de config Nginx pour l'Atlas : `vi /etc/nginx/sites-available/atlas.conf`
- Y placer le contenu suivant :

```
server {
    listen 80;
    listen [::]:80;

    server_name <alias>.<domaine-sinp>;

    location / {
        proxy_set_header X-Forwarded-Host $host:$server_port;
        proxy_set_header X-Forwarded-Server $host;
        proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
        proxy_set_header X-Forwarded-Proto $scheme;

        proxy_pass http://127.0.0.1:8080/;# ATTENTION : bien mettre un
slash final ! Sinon => erreur 404
    }
}
```

- Créer un lien depuis les sites actifs : `cd /etc/nginx/sites-enabled/ ; ln -s ../sites-available/atlas.conf atlas.conf`
- Tester la config et relancer Nginx si OK : `nginx -t && nginx -s reload`
- Tester l'URL `http://<alias>.<domaine-sinp>/` qui doit afficher une erreur 502 si le serveur Unicorn de l'Atlas n'est pas lancé.
 - Vérifier le service : `systemctl status geonature-atlas.service`
 - Démarrer le service Atlas : `systemctl start geonature-atlas.service`
 - Arrêter le service Atlas : `systemctl stop geonature-atlas.service`
- Installer un certificat SSL via Certbot (Letsencrypt) : `certbot --nginx -d <alias>.<domaine-sinp> -d atlas.<domaine-sinp>`
 - Ex. SINP PACA : `certbot --nginx -d nature.silene.eu -d atlas.silene.eu`
 - Ex. SINP AURA :

```
certbot --nginx \
    -d atlas.biodiversite-auvergne-rhone-alpes.fr \
    -d atlas.biodiversite-auvergne-rhone-alpes.com \
    -d atlas.biodiversite-auvergne-rhone-alpes.eu \
    -d atlas.biodiversite-auvergne-rhone-alpes.net \
    -d atlas.biodiversite-auvergne-rhone-alpes.org \
    -d atlas.biodiversite-aura.com \
    -d atlas.biodiversite-aura.eu \
    -d atlas.biodiversite-aura.fr \
    -d atlas.biodiversite-aura.net \
    -d atlas.biodiversite-aura.org \
    -d atlas.observatoire-biodiversite-auvergne-rhone-alpes.com \
```

```
-d atlas.observatoire-biodiversite-auvergne-rhone-alpes.eu \  
-d atlas.observatoire-biodiversite-auvergne-rhone-alpes.fr \  
-d atlas.observatoire-biodiversite-auvergne-rhone-alpes.net \  
-d atlas.observatoire-biodiversite-auvergne-rhone-alpes.org
```

- Répondre : 2
- Tester ensuite la redirection auto de HTTP vers HTTPS : `http://<alias>.<domaine-sinp>/` → doit redirigé vers HTTPS automatiquement
- Tester la configuration SSL :
<https://www.ssllabs.com/ssltest/analyze.html?d=<alias>.<domaine-sinp>>
- Tester l'URL `https://<alias>.<domaine-sinp>/`
- La config finale :

```
server {  
    listen 443 ssl http2; # managed by Certbot  
    listen [::]:443 ssl http2; # managed by Certbot  
    server_name <prefixe-non-atlas>.<domaine-sinp>;  
  
    auth_basic "Zone restreinte";  
    auth_basic_user_file /etc/nginx/.htpasswd;  
  
    location / {  
        proxy_set_header X-Forwarded-Host $host:$server_port;  
        proxy_set_header X-Forwarded-Server $host;  
        proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;  
        proxy_set_header X-Forwarded-Proto $scheme;  
  
        # WARNING: up timeout to 90s to avoid 502 Bad Gateway response  
        # Set timeout like Unicorn in GeoNature-Atlas  
        atlas/configuration/settings.ini file  
        proxy_read_timeout 90s;  
        proxy_connect_timeout 30s;  
        proxy_pass http://127.0.0.1:8080/; # ATTENTION : bien mettre un  
        slash final ! Sinon => erreur 404  
    }  
  
    ssl_certificate /etc/letsencrypt/live/<prefixe-non-atlas>.<domaine-sinp>/fullchain.pem; # managed by Certbot  
    ssl_certificate_key /etc/letsencrypt/live/<prefixe-non-atlas>.<domaine-sinp>/privkey.pem; # managed by Certbot  
    include /etc/letsencrypt/options-ssl-nginx.conf; # managed by Certbot  
    ssl_dhparam /etc/letsencrypt/ssl-dhparams.pem; # managed by Certbot  
}  
  
server {  
    listen 443 ssl;  
    listen [::]:443 ssl;  
    server_name atlas.<domaine-sinp>;  
  
    ssl_certificate /etc/letsencrypt/live/<prefixe-non-atlas>.<domaine-sinp>/fullchain.pem; # managed by Certbot  
    ssl_certificate_key /etc/letsencrypt/live/<prefixe-non-atlas>.<domaine-sinp>/privkey.pem; # managed by Certbot  
    include /etc/letsencrypt/options-ssl-nginx.conf; # managed by Certbot  
    ssl_dhparam /etc/letsencrypt/ssl-dhparams.pem; # managed by Certbot  
}
```

```

sinp>/fullchain.pem; # managed by Certbot
    ssl_certificate_key /etc/letsencrypt/live/<prefixe-non-atlas>.<domaine-sinp>/privkey.pem; # managed by Certbot
    include /etc/letsencrypt/options-ssl-nginx.conf; # managed by Certbot
    ssl_dhparam /etc/letsencrypt/ssl-dhparams.pem; # managed by Certbot

    return 302 https://<prefixe-non-atlas>.<domaine-sinp>$request_uri;
}

server {
    listen 80;
    listen [::]:80;
    server_name <prefixe-non-atlas>.<domaine-sinp> atlas.<domaine-sinp>;
    return 302 https://<prefixe-non-atlas>.<domaine-sinp>$request_uri;
}

```

- Penser à modifier le fichier *config.py* pour y indiquer la nouvelle URL en HTTPS : vi ~/www/atlas/atlas/configuration/config.py

From:

<https://sinp-wiki.cbn-alpin.fr/> - **CBNA SINP**

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<https://sinp-wiki.cbn-alpin.fr/serveurs/installation/web-srv/geonature-atlas-nginx>

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