

# Ajout HAProxy dans l'infrastructure

- **Installation haproxy**

`sudo apt install haproxy`

Vérifier l'installation avec `sudo systemctl status haproxy`

- **Modifiez le fichier de configuration de HAProxy**

`sudo nano /etc/haproxy/haproxy.cfg`

Ajoutez les configurations suivantes (remplacez `<IP_web1>` et `<IP_web2>` par les adresses IP des serveurs web et remplacez le nom du site par itservices) :

global

```
log /dev/log    local0
log /dev/log    local1 notice
chroot /var/lib/haproxy
stats socket /run/haproxy/admin.sock mode 660 level admin
stats timeout 30s
user haproxy
group haproxy
daemon
```

# Default SSL material locations

```
ca-base /etc/ssl/certs
crt-base /etc/ssl/private
```

```
# See: https://ssl-config.mozilla.org/#server=haproxy&server-version=2.0.3&config=intermediate
ssl-default-bind-ciphers
```

```
ECDHE-ECDSA-AES128-GCM-SHA256:ECDHE-RSA-AES128-GCM-SHA256:ECDHE-ECDSA-AES256-GCM-SHA384:ECDHE-RSA-AES256-GCM-SHA384:ECDHE-ECDSA-CHACHA20-POLY1305:ECDHE-RSA-CHACHA20-POLY1305:DHE-RSA-AES128-GCM-SHA256:DHE-RSA-AES256-GCM-SHA384
```

```
ssl-default-bind-ciphersuites
```

```
TLS_AES_128_GCM_SHA256:TLS_AES_256_GCM_SHA384:TLS_CHACHA20_POLY1305_SHA256
ssl-default-bind-options ssl-min-ver TLSv1.3 no-tls-tickets
```

defaults

```
log      global
mode     http
option   httplog
option   dontlognull
timeout connect 5000
timeout client  50000
timeout server  50000
errorfile 400 /etc/haproxy/errors/400.http
errorfile 403 /etc/haproxy/errors/403.http
errorfile 408 /etc/haproxy/errors/408.http
errorfile 500 /etc/haproxy/errors/500.http
errorfile 502 /etc/haproxy/errors/502.http
errorfile 503 /etc/haproxy/errors/503.http
errorfile 504 /etc/haproxy/errors/504.http
```

```
backend all-servers
    balance roundrobin
    cookie SERVER insert indirect nocache
    server SRVWEB1 192.168.20.172:80 check cookie WEBSRV1
    server SRVWEB2 192.168.20.13:80 check cookie WEBSRV2
```

```
backend hostit-be
    balance roundrobin
    cookie SERVER insert indirect nocache
    server SRVWEB1 192.168.20.172:80 check cookie WEBSRV1 inter 5000 rise 1 fall 3
    server SRVWEB2 192.168.20.13:80 check cookie WEBSRV2 inter 5000 rise 1 fall 3
    stick-table type ip size 1k expire 30m
    stick match src
    stick store-request src
```

```
frontend clients
    bind *:80
    mode http

    bind *:443 ssl crt /etc/haproxy/certs/Hostit/hostit.pem
    bind *:443 ssl crt /etc/haproxy/certs/LittleFashion/LittleFashion.pem
#   bind *:443 ssl crt /etc/haproxy/certs/spering/spering.pem
#   bind *:443 ssl crt /etc/haproxy/certs/Dozecafe/Dozecafe.pem
    option forwardfor
    http-request redirect scheme https code 301 unless { ssl_fc }

    default_backend all-servers

    acl est_hostit hdr_dom(host) -i hostit.fr
    use_backend hostit-be if est_hostit
```

- **test de la configuration**

Vérifiez que la configuration de HAProxy est valide :

1. `sudo haproxy -c -f /etc/haproxy/haproxy.cfg`

Si tout va bien, vous verrez : **Configuration file is valid.**

2. Redémarrez HAProxy pour appliquer les modifications

`sudo systemctl restart haproxy`

3. Vérifiez que HAProxy fonctionne

`sudo systemctl status haproxy`