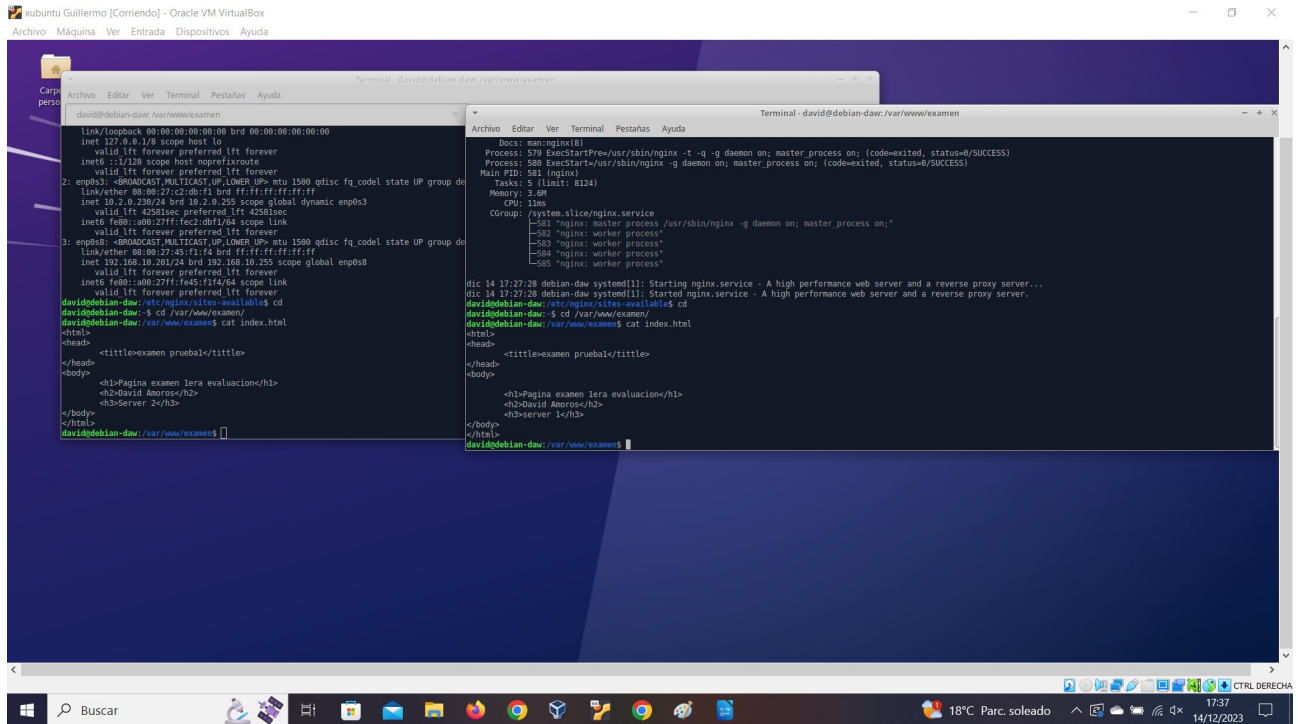


Ejercicio balanceo

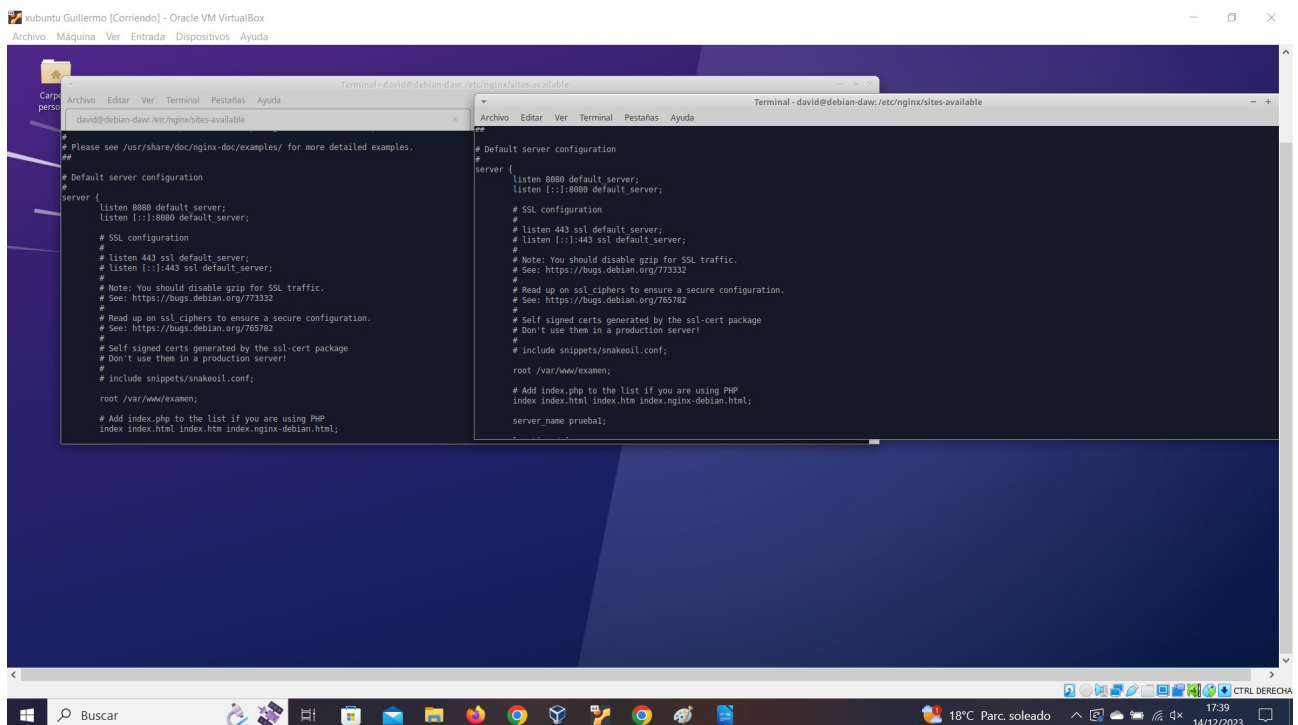
Primero clonamos 2 maquinas mas la que hace de proxy le pondremos la 192.168.10.202 y la que hace de web 192.168.10.201.

Tanto en debian que no es proxy 200 y 201 vamos a /var/www/examen y dentro de index añadimos al 200 server1 y al 201 server2



```
Link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
inet 127.0.0.1/8 scope host lo
    valid_lft forever preferred_lft forever
inet6 ::1/128 scope host noprefixroute
    valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default
    link/ether 08:00:27:c2:db:f1 brd ff:ff:ff:ff:ff:ff
    inet 192.168.10.202/24 brd 192.168.10.255 scope global dynamic enp0s3
    valid_lft 42983sec preferred_lft 42983sec
    inet6 fe80::a00:27ff:fe2c:dbf1/64 scope link
    valid_lft forever preferred_lft forever
3: enp0s8: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default
    link/ether 08:00:27:45:11:14 brd ff:ff:ff:ff:ff:ff
    inet 192.168.10.201/24 brd 192.168.10.255 scope global enp0s8
    valid_lft forever preferred_lft forever
    inet6 fe80::a00:27ff:fe45:1114/64 scope link
    valid_lft forever preferred_lft forever
david@debian-daw:~$ cd /etc/nginx/sites-available/
david@debian-daw:~$ cd /etc/nginx/sites-available/
david@debian-daw:~$ cd /var/www/examen/
david@debian-daw:~$ cat index.html
<html>
<head>
<title>examen prueba</title>
</head>
<body>
<h1>Pagina examen lera evaluacion</h1>
<h2>David Amoros</h2>
<h3>Server 2</h3>
</body>
</html>
david@debian-daw:~$ cd /var/www/examen/
david@debian-daw:~$ cat index.html
<html>
<head>
<title>examen prueba</title>
</head>
<body>
<h1>Pagina examen lera evaluacion</h1>
<h2>David Amoros</h2>
<h3>Server 1</h3>
</body>
</html>
david@debian-daw:~$ cd /var/www/examen/
```

después vamos al archivo configuración y le ponemos a los 2 puerto 8080.



```
# Please see /usr/share/doc/nginx-doc/examples/ for more detailed examples.
##
# Default server configuration
#
server {
    listen 8080 default_server;
    listen [::]:8080 default_server;

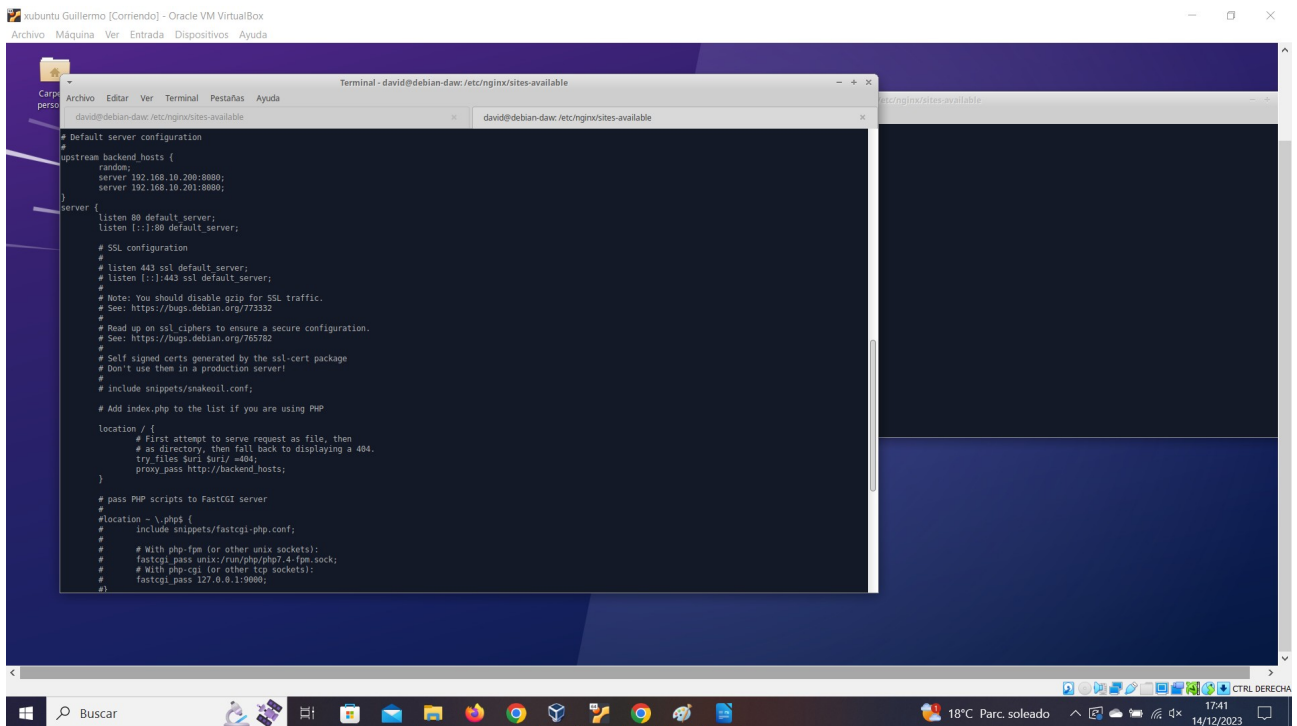
    # SSL configuration
    #
    # listen 443 ssl default_server;
    # listen [::]:443 ssl default_server;
    #
    # Note: You should disable gzip for SSL traffic.
    # See: https://bugs.debian.org/77332
    #
    # Read up on ssl_ciphers to ensure a secure configuration.
    # See: https://bugs.debian.org/76572
    #
    # Self signed certs generated by the ssl-cert package
    # Don't use them in a production server!
    #
    # include snippets/snakeoil.conf;

    root /var/www/examen;

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

    server_name prueba1;
}
```

vamos ahora a la proxy en el cual tiene que tener una configuración donde reciba las 2 maquinas y en ellas vaya alternandose. Para ello vamos a /etc/nginx/sites-available/ y en el archivo de configuracion ponemos lo siguiente.



```
# Default server configuration
#
upstream backend_hosts {
    random;
    server 192.168.10.200:8080;
    server 192.168.10.201:8080;
}

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

    # SSL configuration
    #
    # listen 443 ssl default_server;
    # listen [::]:443 ssl default_server;
    # Note: You should disable gzip for SSL traffic.
    # See: https://bugs.debian.org/77332
    # Read up on ssl_ciphers to ensure a secure configuration.
    # See: https://bugs.debian.org/765782
    # Self signed certs generated by the ssl-cert package
    # Don't use them in a production server!
    #
    # include snippets/snakeoil.conf;

    AddIndexFile to the list if you are using PHP

    location / {
        # First attempt to serve request as file, then
        # as directory, then fall back to displaying a 404.
        try_files $uri $uri/ @404;
        proxy_pass http://backend_hosts;
    }

    # pass PHP scripts to FastCGI server
    #
    #location ~ \.php$ {
    #    include snippets/fastcgi-php.conf;
    #
    #    # With php-fpm (or other unix sockets):
    #    fastcgi_pass unix:/run/php/php7.4-fpm.sock;
    #    # With php-cgi (or other tcp sockets):
    #    fastcgi_pass 127.0.0.1:9000;
    #}
}
```

Reiniciamos nginx en los tres haciendo `systemctl restart nginx`.

Vamos a poner la ip de nuestra maquina o nombre y si le damos nos tendria que ir a las 2 webs

