**Dummy backend creation for Reverse proxy**

┌──(kali㉿kali)-[~]

└─$ sudo systemctl start nginx

[sudo] password for kali:

┌──(kali㉿kali)-[~]

└─$ sudo systemctl enable nginx

Synchronizing state of nginx.service with SysV service script with /usr/lib/systemd/systemd-sysv-install.

Executing: /usr/lib/systemd/systemd-sysv-install enable nginx

┌──(kali㉿kali)-[~]

└─$ sudo nano /etc/nginx/sites-available/reverse-proxy

┌──(kali㉿kali)-[~]

└─$ sudo ln -s /etc/nginx/sites-available/reverseproxy /etc/nginx/sites-enabled/

ln: failed to create symbolic link '/etc/nginx/sites-enabled/reverseproxy': File exists

┌──(kali㉿kali)-[~]

└─$ sudo nginx -t

2025/05/15 03:10:05 [warn] 112972#112972: conflicting server name "localhost" on 0.0.0.0:80, ignored

nginx: the configuration file /etc/nginx/nginx.conf syntax is ok

nginx: configuration file /etc/nginx/nginx.conf test is successful

┌──(kali㉿kali)-[~]

└─$ sudo systemctl reload nginx

┌──(kali㉿kali)-[~]

└─$ sudo nginx -t

nginx: the configuration file /etc/nginx/nginx.conf syntax is ok

nginx: configuration file /etc/nginx/nginx.conf test is successful

┌──(kali㉿kali)-[~]

└─$ sudo systemctl reload nginx

┌──(kali㉿kali)-[~]

└─$ curl http://127.0.0.1:5000

curl: (7) Failed to connect to 127.0.0.1 port 5000 after 0 ms: Couldn't connect to server

┌──(kali㉿kali)-[~]

└─$ python3 -m http.server 5000

Serving HTTP on 0.0.0.0 port 5000 (http://0.0.0.0:5000/) ...

curl http://127.0.0.1:5000

^C

Keyboard interrupt received, exiting.

┌──(kali㉿kali)-[~]

└─$ curl http://127.0.0.1:5000

curl: (7) Failed to connect to 127.0.0.1 port 5000 after 0 ms: Couldn't connect to server

┌──(kali㉿kali)-[~]

└─$ python3 -m http.server 5000

Serving HTTP on 0.0.0.0 port 5000 (http://0.0.0.0:5000/) ...

127.0.0.1 - - [15/May/2025 03:19:26] "GET / HTTP/1.1" 200 -

127.0.0.1 - - [15/May/2025 03:20:26] "GET / HTTP/1.1" 200 -

127.0.0.1 - - [15/May/2025 03:20:26] code 404, message File not found

127.0.0.1 - - [15/May/2025 03:20:26] "GET /favicon.ico HTTP/1.1" 404 -

127.0.0.1 - - [15/May/2025 03:20:56] "GET / HTTP/1.1" 200 -

**Testing whether it is working or not in another terminal**

┌──(kali㉿kali)-[~]

└─$ curl http://127.0.0.1:5000

<!DOCTYPE HTML>

<html lang="en">

<head>

<meta charset="utf-8">

<title>Directory listing for /</title>

</head>

<body>

<h1>Directory listing for /</h1>

<hr>

<ul>

<li><a href=".bash\_logout">.bash\_logout</a></li>

<li><a href=".bashrc">.bashrc</a></li>

<li><a href=".bashrc.original">.bashrc.original</a></li>

<li><a href=".cache/">.cache/</a></li>

<li><a href=".config/">.config/</a></li>

<li><a href=".dmrc">.dmrc</a></li>

<li><a href=".face">.face</a></li>

<li><a href=".face.icon">.face.icon@</a></li>

<li><a href=".gnupg/">.gnupg/</a></li>

<li><a href=".ICEauthority">.ICEauthority</a></li>

<li><a href=".java/">.java/</a></li>

<li><a href=".local/">.local/</a></li>

<li><a href=".mozilla/">.mozilla/</a></li>

<li><a href=".profile">.profile</a></li>

<li><a href=".sudo\_as\_admin\_successful">.sudo\_as\_admin\_successful</a></li>

<li><a href=".vboxclient-clipboard-tty7-control.pid">.vboxclient-clipboard-tty7-control.pid</a></li>

<li><a href=".vboxclient-clipboard-tty7-service.pid">.vboxclient-clipboard-tty7-service.pid</a></li>

<li><a href=".vboxclient-display-svga-x11-tty7-control.pid">.vboxclient-display-svga-x11-tty7-control.pid</a></li>

<li><a href=".vboxclient-display-svga-x11-tty7-service.pid">.vboxclient-display-svga-x11-tty7-service.pid</a></li>

<li><a href=".vboxclient-draganddrop-tty7-control.pid">.vboxclient-draganddrop-tty7-control.pid</a></li>

<li><a href=".vboxclient-draganddrop-tty7-service.pid">.vboxclient-draganddrop-tty7-service.pid</a></li>

<li><a href=".vboxclient-hostversion-tty7-control.pid">.vboxclient-hostversion-tty7-control.pid</a></li>

<li><a href=".vboxclient-seamless-tty7-control.pid">.vboxclient-seamless-tty7-control.pid</a></li>

<li><a href=".vboxclient-seamless-tty7-service.pid">.vboxclient-seamless-tty7-service.pid</a></li>

<li><a href=".vboxclient-vmsvga-session-tty7-control.pid">.vboxclient-vmsvga-session-tty7-control.pid</a></li>

<li><a href=".Xauthority">.Xauthority</a></li>

<li><a href=".xsession-errors">.xsession-errors</a></li>

<li><a href=".xsession-errors.old">.xsession-errors.old</a></li>

<li><a href=".zsh\_history">.zsh\_history</a></li>

<li><a href=".zshrc">.zshrc</a></li>

<li><a href="Desktop/">Desktop/</a></li>

<li><a href="Downloads/">Downloads/</a></li>

<li><a href="Music/">Music/</a></li>

<li><a href="Pictures/">Pictures/</a></li>

<li><a href="Public/">Public/</a></li>

<li><a href="Templates/">Templates/</a></li>

<li><a href="test\_access.log">test\_access.log</a></li>

<li><a href="Videos/">Videos/</a></li>

</ul>

<hr>

</body>

</html>

┌──(kali㉿kali)-[~]

└─$