**BACKEND CREATION FOR REVERSE PROXY PRACTICE**

┌──(kali㉿kali)-[~]

└─$ curl http://localhost:3000

curl: (7) Failed to connect to localhost port 3000 after 0 ms: Couldn't connect to server

┌──(kali㉿kali)-[~]

└─$ python3 -m http.server 3000

Serving HTTP on 0.0.0.0 port 3000 (http://0.0.0.0:3000/) ...

127.0.0.1 - - [15/May/2025 12:47:35] "GET / HTTP/1.1" 200 -

^C

Keyboard interrupt received, exiting.

┌──(kali㉿kali)-[~]

└─$ nano server.js

┌──(kali㉿kali)-[~]

└─$ node server.js

Command 'node' not found, but can be installed with:

sudo apt install nodejs

Do you want to install it? (N/y)y

sudo apt install nodejs

Upgrading:

libssl3t64 openssl

Installing:

nodejs

Installing dependencies:

libnode115 node-cjs-module-lexer node-xtend

node-acorn node-corepack nodejs-doc

node-balanced-match node-minimatch openssl-provider-legacy

node-brace-expansion node-undici

Suggested packages:

npm

Summary:

Upgrading: 2, Installing: 12, Removing: 0, Not Upgrading: 2134

Download size: 21.6 MB

Space needed: 82.7 MB / 1213 MB available

Continue? [Y/n] y

Ign:1 http://http.kali.org/kali kali-rolling/main amd64 openssl-provider-legacy amd64 3.4.0-2

Ign:2 http://http.kali.org/kali kali-rolling/main amd64 libssl3t64 amd64 3.4.0-2

Ign:3 http://http.kali.org/kali kali-rolling/main amd64 node-xtend all 4.0.2-3

Ign:4 http://http.kali.org/kali kali-rolling/main amd64 node-corepack all 0.24.0-4

Ign:5 http://http.kali.org/kali kali-rolling/main amd64 nodejs amd64 20.18.2+dfsg-4

Ign:6 http://http.kali.org/kali kali-rolling/main amd64 node-acorn all 8.8.1+ds+~cs25.17.7-2

Ign:7 http://http.kali.org/kali kali-rolling/main amd64 node-cjs-module-lexer all 1.2.3+dfsg-1

Ign:8 http://http.kali.org/kali kali-rolling/main amd64 node-balanced-match all 2.0.0-1

Ign:9 http://http.kali.org/kali kali-rolling/main amd64 node-brace-expansion all 2.0.1+~1.1.0-1

Ign:10 http://http.kali.org/kali kali-rolling/main amd64 node-minimatch all 9.0.3-5

Ign:11 http://http.kali.org/kali kali-rolling/main amd64 node-undici all 7.3.0+dfsg1+~cs24.12.11-1

Ign:12 http://http.kali.org/kali kali-rolling/main amd64 libnode115 amd64 20.18.2+dfsg-4

Ign:13 http://http.kali.org/kali kali-rolling/main amd64 nodejs-doc all 20.18.2+dfsg-4

Ign:14 http://http.kali.org/kali kali-rolling/main amd64 openssl amd64 3.4.0-2

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Err:1 http://http.kali.org/kali kali-rolling/main amd64 openssl-provider-legacy amd64 3.4.0-2

Temporary failure resolving 'http.kali.org'

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Temporary failure resolving 'http.kali.org'

Err:14 http://http.kali.org/kali kali-rolling/main amd64 openssl amd64 3.4.0-2

Temporary failure resolving 'http.kali.org'

Error: Failed to fetch http://http.kali.org/kali/pool/main/o/openssl/openssl-provider-legacy\_3.4.0-2\_amd64.deb Temporary failure resolving 'http.kali.org'

Error: Failed to fetch http://http.kali.org/kali/pool/main/o/openssl/libssl3t64\_3.4.0-2\_amd64.deb Temporary failure resolving 'http.kali.org'

Error: Failed to fetch http://http.kali.org/kali/pool/main/n/node-xtend/node-xtend\_4.0.2-3\_all.deb Temporary failure resolving 'http.kali.org'

Error: Failed to fetch http://http.kali.org/kali/pool/main/n/node-corepack/node-corepack\_0.24.0-4\_all.deb Temporary failure resolving 'http.kali.org'

Error: Failed to fetch http://http.kali.org/kali/pool/main/n/nodejs/nodejs\_20.18.2%2bdfsg-4\_amd64.deb Temporary failure resolving 'http.kali.org'

Error: Failed to fetch http://http.kali.org/kali/pool/main/a/acorn/node-acorn\_8.8.1%2bds%2b%7ecs25.17.7-2\_all.deb Temporary failure resolving 'http.kali.org'

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Error: Failed to fetch http://http.kali.org/kali/pool/main/o/openssl/openssl\_3.4.0-2\_amd64.deb Temporary failure resolving 'http.kali.org'

Error: Unable to fetch some archives, maybe run apt-get update or try with --fix-missing?

┌──(kali㉿kali)-[~]

└─$ curl http://localhost:3000

curl: (7) Failed to connect to localhost port 3000 after 0 ms: Couldn't connect to server

┌──(kali㉿kali)-[~]

└─$ python3 -m http.server 3000

Serving HTTP on 0.0.0.0 port 3000 (http://0.0.0.0:3000/) ...

127.0.0.1 - - [15/May/2025 12:51:26] "GET / HTTP/1.1" 200 -

127.0.0.1 - - [15/May/2025 12:54:44] "GET / HTTP/1.1" 200 -

127.0.0.1 - - [15/May/2025 12:55:22] "GET / HTTP/1.1" 200 –

**TESTING REVERSE PROXY**

┌──(kali㉿kali)-[~]

└─$ curl http://localhost:3000

<h1>Hello World</h1>

┌──(kali㉿kali)-[~]

└─$ sudo nano /etc/nginx/sites-available/sample.lk

[sudo] password for kali:

┌──(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 restart nginx

┌──(kali㉿kali)-[~]

└─$ curl http://sample.lk

<h1>Hello World</h1>

┌──(kali㉿kali)-[~]

└─$ sudo nano /etc/nginx/sites-available/sample.lk