**2025.05.14 Linux Commands practice kal-linux**

──(kali㉿kali)-[/var/www/html]

└─$ ls

index.html

┌──(kali㉿kali)-[/var/www/html]

└─$ sudo mv index.html /var/www/html

mv: 'index.html' and '/var/www/html/index.html' are the same file

┌──(kali㉿kali)-[/var/www/html]

└─$ sudo apache2ctl configtest

AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using 127.0.1.1. Set the 'ServerName' directive globally to suppress this message

Syntax OK

┌──(kali㉿kali)-[/var/www/html]

└─$ sudo mkdir -p /var/www/mytestsite

┌──(kali㉿kali)-[/var/www/html]

└─$ echo "<h1>welcome to my test sitw</h1>" |sudo tee /var/www/mytestsite/index.html

<h1>welcome to my test sitw</h1>

┌──(kali㉿kali)-[/var/www/html]

└─$ sudo chown -R www-data:www-data /var/www/mytestsite

┌──(kali㉿kali)-[/var/www/html]

└─$ sudo chmod -R 755 /var/www/mytestsite

┌──(kali㉿kali)-[/var/www/html]

└─$ sudo nano /etc/apache2/sites-available/mytestsite.conf

┌──(kali㉿kali)-[/var/www/html]

└─$ sudo nano /etc/apache2/sites-available/mytestsite.conf

┌──(kali㉿kali)-[/var/www/html]

└─$

┌──(kali㉿kali)-[/var/www/html]

└─$ sudo systemctl stop apache2

[sudo] password for kali:

┌──(kali㉿kali)-[/var/www/html]

└─$ sudo systemctl disable apache2

Synchronizing state of apache2.service with SysV service script with /usr/lib/systemd/systemd-sysv-install.

Executing: /usr/lib/systemd/systemd-sysv-install disable apache2

┌──(kali㉿kali)-[/var/www/html]

└─$ sudo apt update

Ign:1 http://http.kali.org/kali kali-rolling InRelease

Ign:1 http://http.kali.org/kali kali-rolling InRelease

Ign:1 http://http.kali.org/kali kali-rolling InRelease

Err:1 http://http.kali.org/kali kali-rolling InRelease

Temporary failure resolving 'http.kali.org'

All packages are up to date.

Warning: Failed to fetch http://http.kali.org/kali/dists/kali-rolling/InRelease Temporary failure resolving 'http.kali.org'

Warning: Some index files failed to download. They have been ignored, or old ones used instead.

Notice: Repository 'Kali Linux' changed its 'firmware component' value from 'non-free' to 'non-free-firmware'

Notice: More information about this can be found online at: https://www.kali.org/blog/non-free-firmware-transition/

┌──(kali㉿kali)-[/var/www/html]

└─$ sudo apt install nginx -y

nginx is already the newest version (1.26.0-1).

Summary:

Upgrading: 0, Installing: 0, Removing: 0, Not Upgrading: 0

┌──(kali㉿kali)-[/var/www/html]

└─$ sudo systemctl start nginx

┌──(kali㉿kali)-[/var/www/html]

└─$ 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

Created symlink '/etc/systemd/system/multi-user.target.wants/nginx.service' → '/usr/lib/systemd/system/nginx.service'.

┌──(kali㉿kali)-[/var/www/html]

└─$ sudo mkdir

mkdir: missing operand

Try 'mkdir --help' for more information.

┌──(kali㉿kali)-[/var/www/html]

└─$ sudo mkdir -p /var/www/mytestsite

┌──(kali㉿kali)-[/var/www/html]

└─$ echo "<h1>Welcome to home page</h1>" |sudo tee /var/www/mytestsite/index.html

<h1>Welcome to home page</h1>

┌──(kali㉿kali)-[/var/www/html]

└─$ echo "<h1>About this page</h1>" |sudo tee /var/www/mytestsite/about.html

<h1>About this page</h1>

┌──(kali㉿kali)-[/var/www/html]

└─$ echo "<h1>Contact us page</h1>" |sudo tee /var/www/mytestsite/contact.html

<h1>Contact us page</h1>

┌──(kali㉿kali)-[/var/www/html]

└─$ sudo chown -R www-data:www-data /var/www/mytestsite

┌──(kali㉿kali)-[/var/www/html]

└─$ sudo chmod -R 755 /var/www/mytestsite

┌──(kali㉿kali)-[/var/www/html]

└─$ sudo nano /etc/nginx/sites-available/mytestsite

┌──(kali㉿kali)-[/var/www/html]

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

┌──(kali㉿kali)-[/var/www/html]

└─$ sudo nginx -t

2025/05/14 03:39:01 [warn] 93386#93386: 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)-[/var/www/html]

└─$ sudo systemctl reload nginx

┌──(kali㉿kali)-[/var/www/html]

└─$ echo "<h1>About Us</h1>" | sudo tee /var/www/mytestsite/about.html

<h1>About Us</h1>

┌──(kali㉿kali)-[/var/www/html]

└─$ echo "<h1>Contact us</h1>" |sudo tee /var/www/mytestsite/contact.html

<h1>Contact us</h1>

┌──(kali㉿kali)-[/var/www/html]

└─$ sudo nano /etc/nginx/sites-available/mytestsite

┌──(kali㉿kali)-[/var/www/html]

└─$ sudo nginx -t

2025/05/14 03:46:42 [warn] 97600#97600: 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)-[/var/www/html]

└─$ sudo systemctl reload nginx

┌──(kali㉿kali)-[/var/www/html]

└─$ sudo nano /etc/nginx/sites-available/mytestsite

┌──(kali㉿kali)-[/var/www/html]

└─$ sudo nano /etc/nginx/sites-available/mytestsite

┌──(kali㉿kali)-[/var/www/html]

└─$ sudo nginx -t

2025/05/14 03:56:49 [warn] 102701#102701: conflicting server name "localhost" on 0.0.0.0:80, ignored

2025/05/14 03:56:49 [warn] 102701#102701: 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)-[/var/www/html]

└─$ sudo systemctl reload nginx

┌──(kali㉿kali)-[/var/www/html]

└─$ sudo nano /etc/nginx/sites-available/mytestsite

┌──(kali㉿kali)-[/var/www/html]

└─$ sudo nginx -t

2025/05/14 03:59:02 [warn] 103915#103915: conflicting server name "localhost" on 0.0.0.0:80, ignored

2025/05/14 03:59:02 [warn] 103915#103915: conflicting server name "localhost" on 0.0.0.0:80, ignored

2025/05/14 03:59:02 [warn] 103915#103915: 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)-[/var/www/html]

└─$ sudo systemctl reload nginx

┌──(kali㉿kali)-[/var/www/html]

└─$ sudo nano /etc/nginx/sites-available/mytestsite

┌──(kali㉿kali)-[/var/www/html]

└─$ sudo nano /etc/nginx/sites-available/mytestsite

┌──(kali㉿kali)-[/var/www/html]

└─$ sudo nano /etc/nginx/sites-available/mytestsite

┌──(kali㉿kali)-[/var/www/html]

└─$ curl http://localhost/

<html>

<body>

Hello this is a web server

</body>

</html>

┌──(kali㉿kali)-[/var/www/html]

└─$ curl http://localhost/about

<html>

<head><title>404 Not Found</title></head>

<body>

<center><h1>404 Not Found</h1></center>

<hr><center>nginx/1.26.0</center>

</body>

</html>

┌──(kali㉿kali)-[/var/www/html]

└─$ curl http://localhost/contact

<html>

<head><title>404 Not Found</title></head>

<body>

<center><h1>404 Not Found</h1></center>

<hr><center>nginx/1.26.0</center>

</body>

</html>

┌──(kali㉿kali)-[/var/www/html]

└─$ sudo tail -f /var/log/nginx/access.log

127.0.0.1 - - [14/May/2025:03:57:05 -0400] "GET /contact HTTP/1.1" 404 125 "-" "Mozilla/5.0 (X11; Linux x86\_64; rv:109.0) Gecko/20100101 Firefox/115.0"

127.0.0.1 - - [14/May/2025:03:57:09 -0400] "GET / HTTP/1.1" 304 0 "-" "Mozilla/5.0 (X11; Linux x86\_64; rv:109.0) Gecko/20100101 Firefox/115.0"

127.0.0.1 - - [14/May/2025:03:57:25 -0400] "GET /about HTTP/1.1" 404 125 "-" "Mozilla/5.0 (X11; Linux x86\_64; rv:109.0) Gecko/20100101 Firefox/115.0"

127.0.0.1 - - [14/May/2025:03:57:28 -0400] "GET /about HTTP/1.1" 404 125 "-" "Mozilla/5.0 (X11; Linux x86\_64; rv:109.0) Gecko/20100101 Firefox/115.0"

127.0.0.1 - - [14/May/2025:03:57:28 -0400] "GET /favicon.ico HTTP/1.1" 404 125 "http://localhost/about" "Mozilla/5.0 (X11; Linux x86\_64; rv:109.0) Gecko/20100101 Firefox/115.0"

127.0.0.1 - - [14/May/2025:03:59:14 -0400] "GET /about HTTP/1.1" 404 125 "-" "Mozilla/5.0 (X11; Linux x86\_64; rv:109.0) Gecko/20100101 Firefox/115.0"

127.0.0.1 - - [14/May/2025:03:59:17 -0400] "GET / HTTP/1.1" 304 0 "-" "Mozilla/5.0 (X11; Linux x86\_64; rv:109.0) Gecko/20100101 Firefox/115.0"

::1 - - [14/May/2025:04:08:25 -0400] "GET / HTTP/1.1" 200 58 "-" "curl/8.8.0"

::1 - - [14/May/2025:04:09:00 -0400] "GET /about HTTP/1.1" 404 153 "-" "curl/8.8.0"

::1 - - [14/May/2025:04:09:21 -0400] "GET /contact HTTP/1.1" 404 153 "-" "curl/8.8.0"

q

^C

┌──(kali㉿kali)-[/var/www/html]

└─$ sudo tail -f /var/log/nginx/error.log

^C

┌──(kali㉿kali)-[/var/www/html]

└─$ sudo nano /etc/nginx/sites-available/mytestsite

┌──(kali㉿kali)-[/var/www/html]

└─$ sudo tail -f /var/log/nginx/error.log

[sudo] password for kali:

kali

q

^C

┌──(kali㉿kali)-[/var/www/html]

└─$ sudo tail -f /var/log/nginx/error.log

^C

┌──(kali㉿kali)-[/var/www/html]

└─$