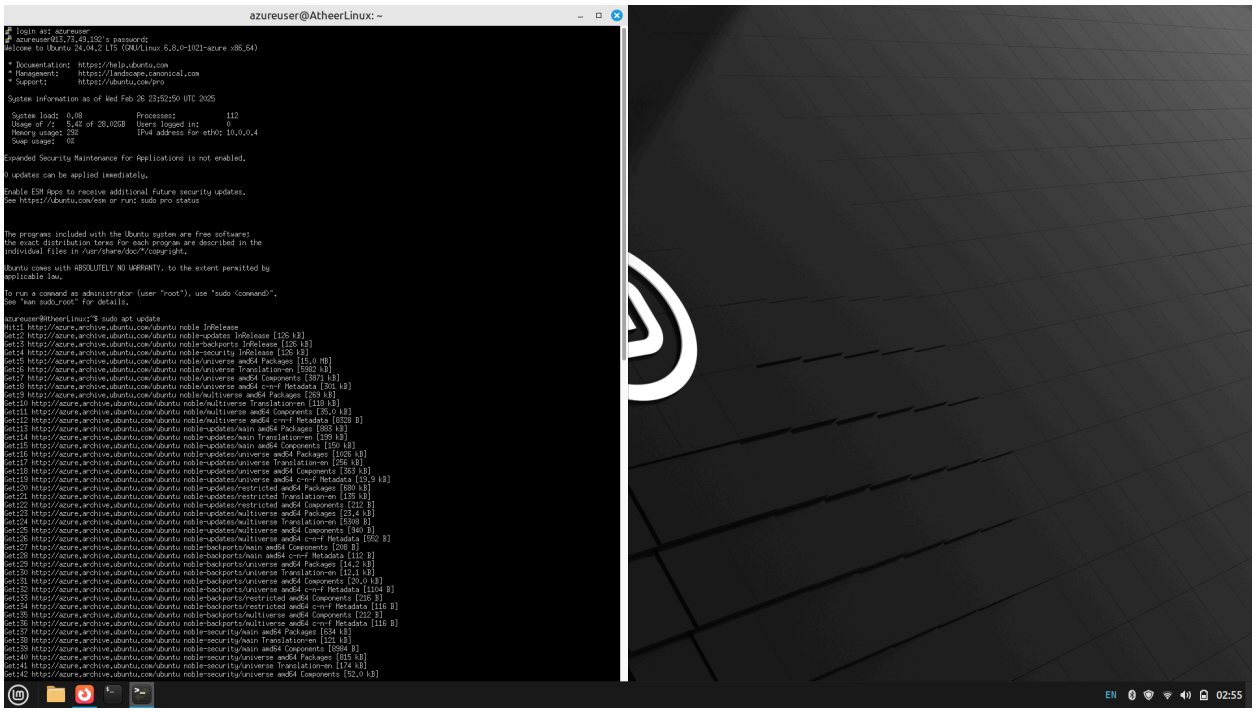
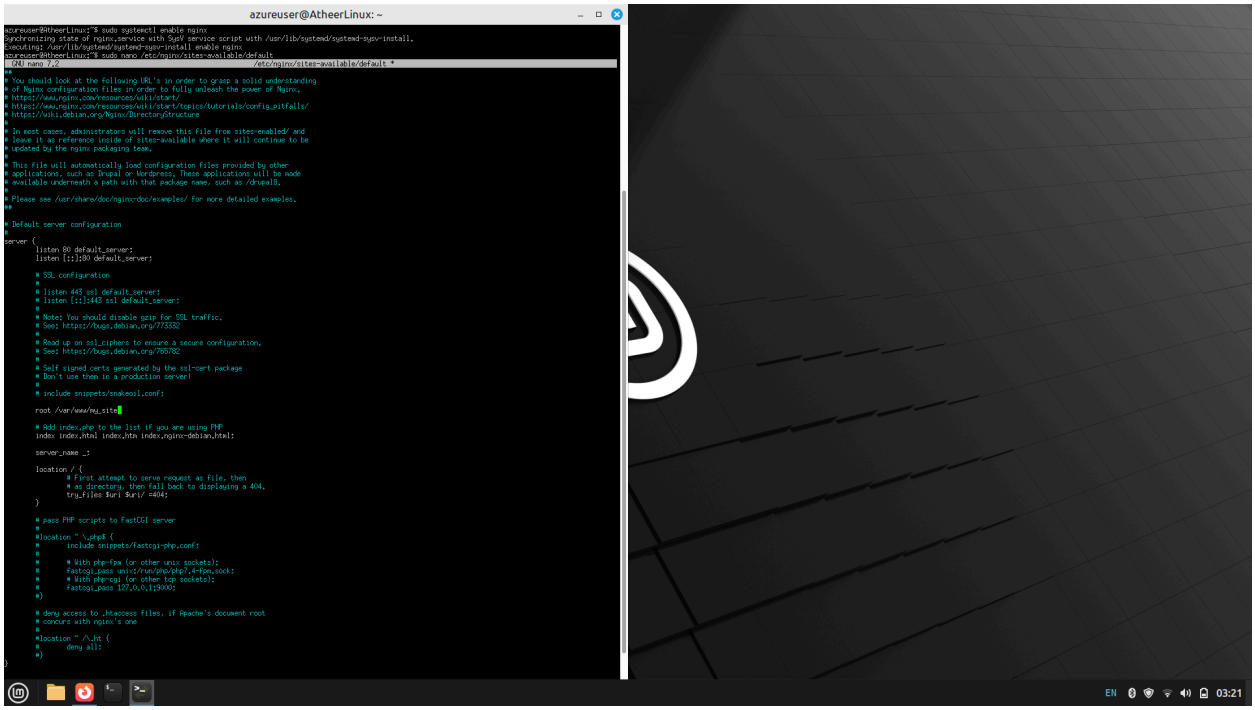
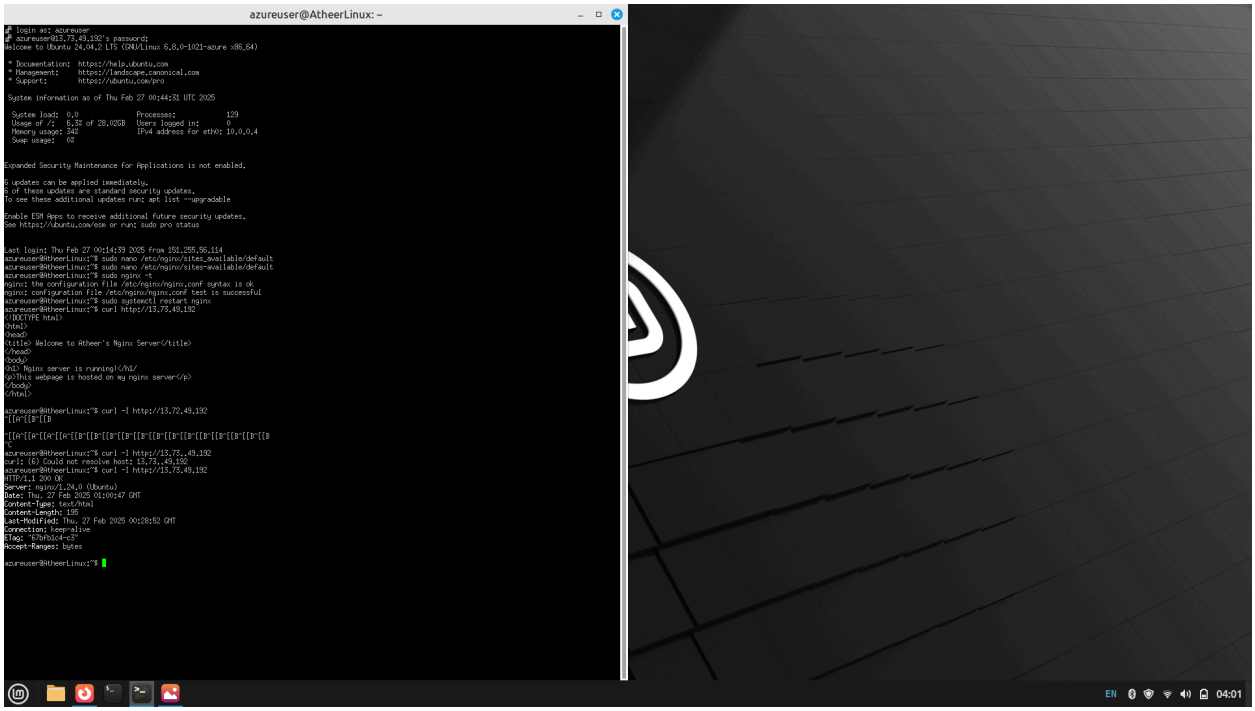
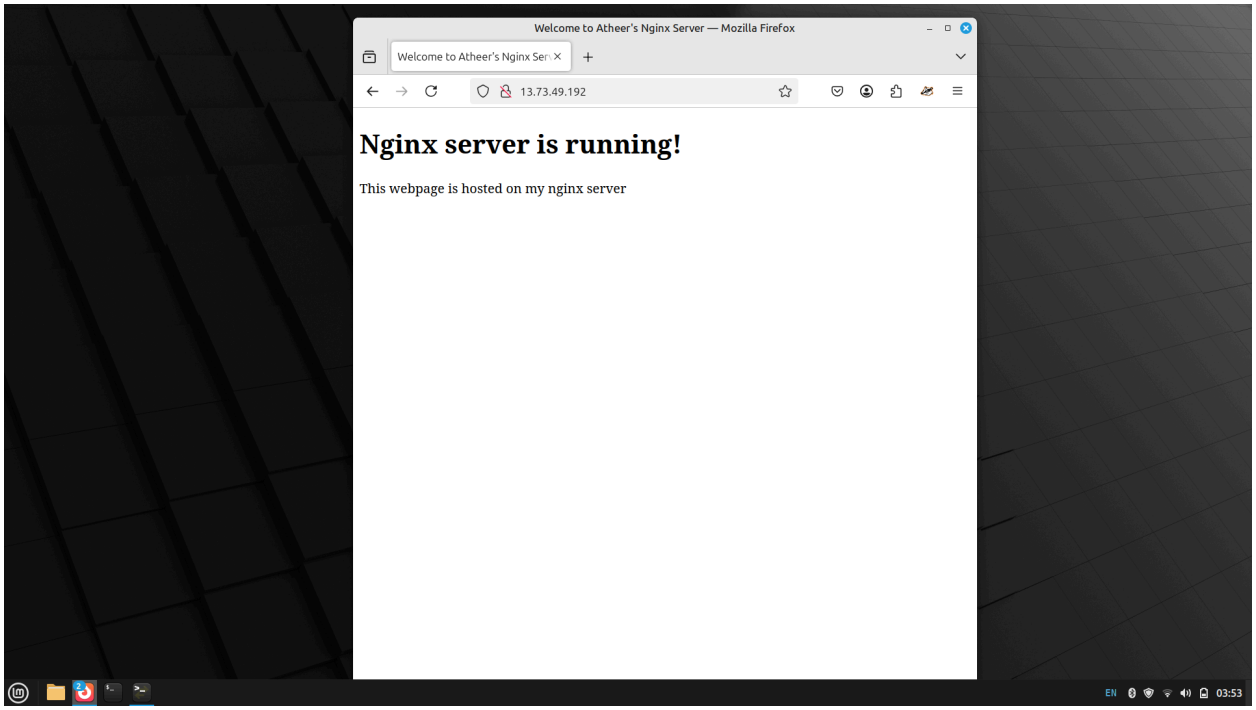
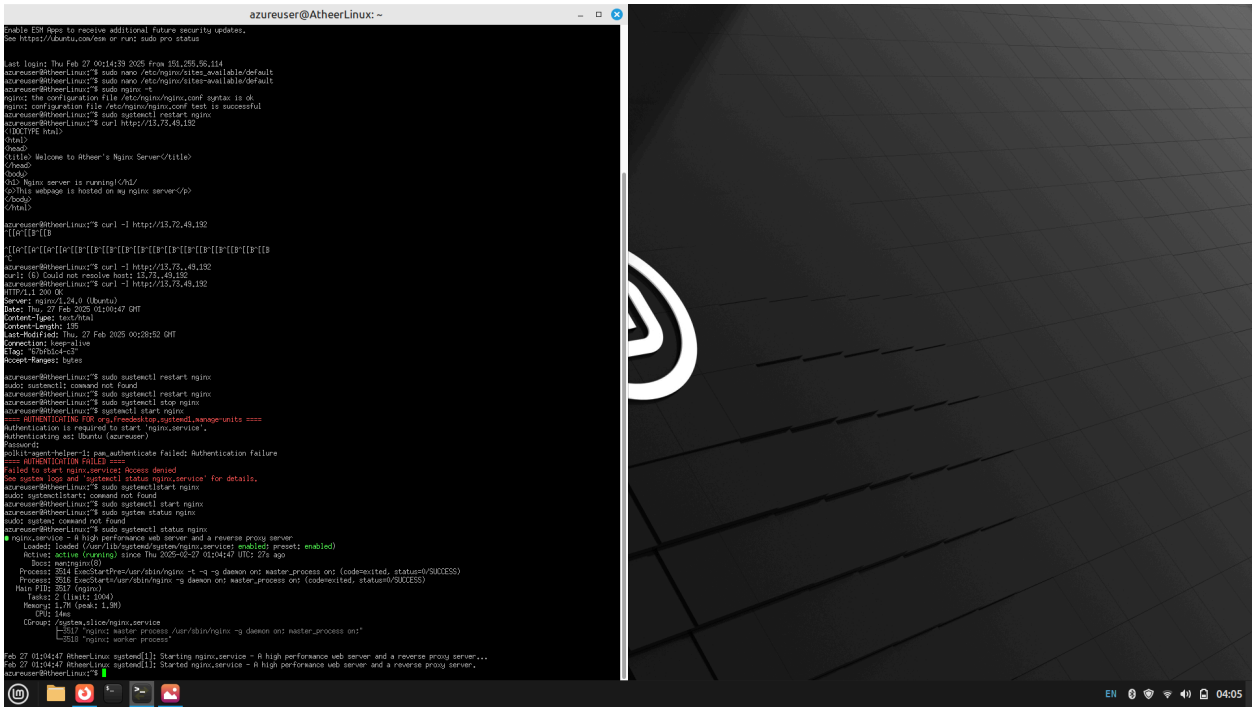
Assignment 01 Atheer Alqannas




azureuser@AtheerLinux: ~
azureuser@AtheerLinux:~$ 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
azureuser@AtheerLinux:~$ sudo nano /etc/nginx/sites-available/default
GNU nano 7.2 /etc/nginx/sites-available/default *
server_navigation on;
root /var/www/my_site;
index index.html index.htm index.nginx-debian.html;
location / {
try_files $uri $uri/ =404;
}
}
EN
03:21


azureuser@AtheerLinux: ~
login as: azureuser
azureuser@13.73.49.192's password:
Welcome to Ubuntu 24.04.2 LTS (GNU/Linux 6.8.0-1021-azure x86_64)
Last login: Thu Feb 27 00:14:39 2025 from 151.255.56.114
azureuser@AtheerLinux:~$ sudo nano /etc/nginx/sites-available/default
azureuser@AtheerLinux:~$ sudo nano /etc/nginx/sites-available/default
azureuser@AtheerLinux:~$ sudo nginx -t
nginx: the configuration file /etc/nginx/nginx.conf syntax is ok
nginx: configuration file /etc/nginx/nginx.conf test is successful
azureuser@AtheerLinux:~$ sudo systemctl restart nginx
azureuser@AtheerLinux:~$ curl http://13.73.49.192
<!DOCTYPE html>
<html>
<head>
<title> Welcome to Atheer's Nginx Server</title>
</head>
<body>
<h1> Nginx server is running!</h1>
This webpage is hosted on my nginx server
</body>
</html>
azureuser@AtheerLinux:~$ curl -I http://13.72.49.192
azureuser@AtheerLinux:~$ curl -I http://13.73.49.192
curl: (6) Could not resolve host: 13.73.49.192
azureuser@AtheerLinux:~$ curl -I http://13.73.49.192
HTTP/1.1 200 OK
Server: nginx/1.24.0 (Ubuntu)
Date: Thu, 27 Feb 2025 01:00:47 GMT
Content-Type: text/html
Content-Length: 195
Last-Modified: Thu, 27 Feb 2025 00:28:52 GMT
Connection: keep-alive
ETag: "67bfbb04-c3"
Accept-Ranges: bytes
azureuser@AtheerLinux:~$
EN
04:01


Welcome to Atheer's Nginx Server — Mozilla Firefox
Welcome to Atheer's Nginx Ser
13.73.49.192
Nginx server is running!
This webpage is hosted on my nginx server
EN
03:53


azureuser@AtheerLinux: ~
Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status
Last login: Thu Feb 27 00:14:39 2025 from 151.255.56.114
azureuser@AtheerLinux:~$ sudo nano /etc/nginx/sites_available/default
azureuser@AtheerLinux:~$ sudo nano /etc/nginx/sites-available/default
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nginx: configuration file /etc/nginx/nginx.conf test is successful
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</body>
</html>
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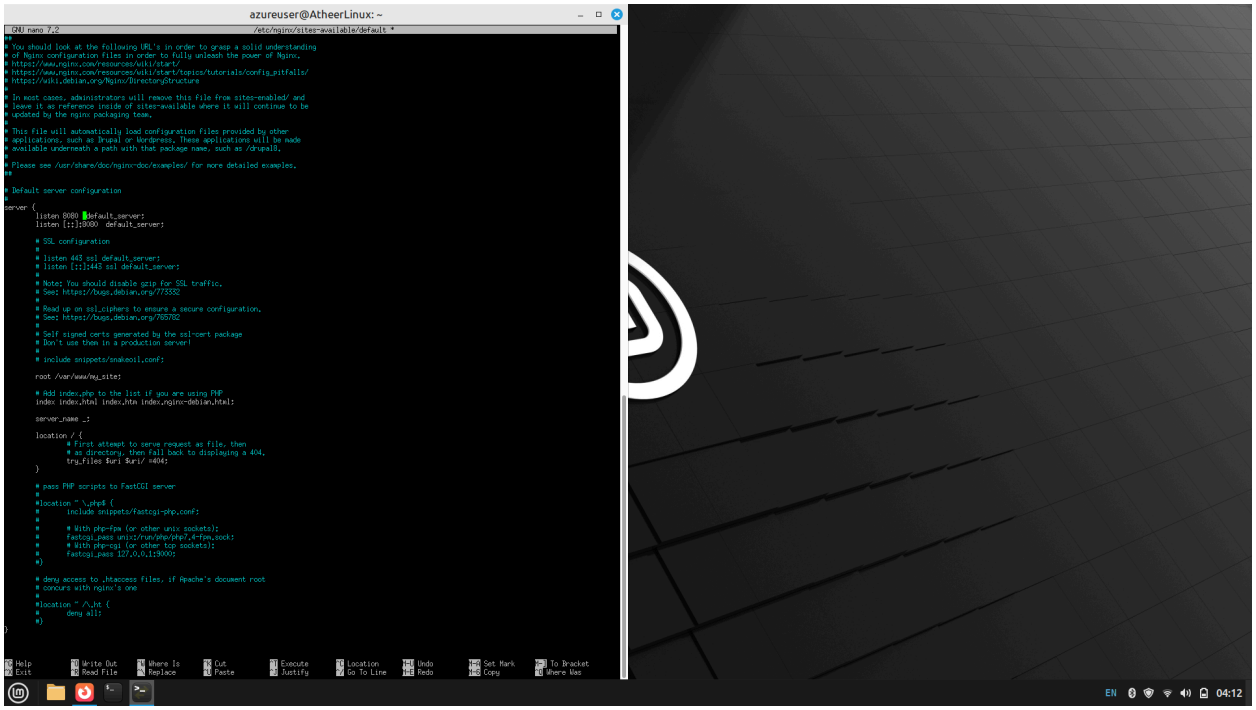
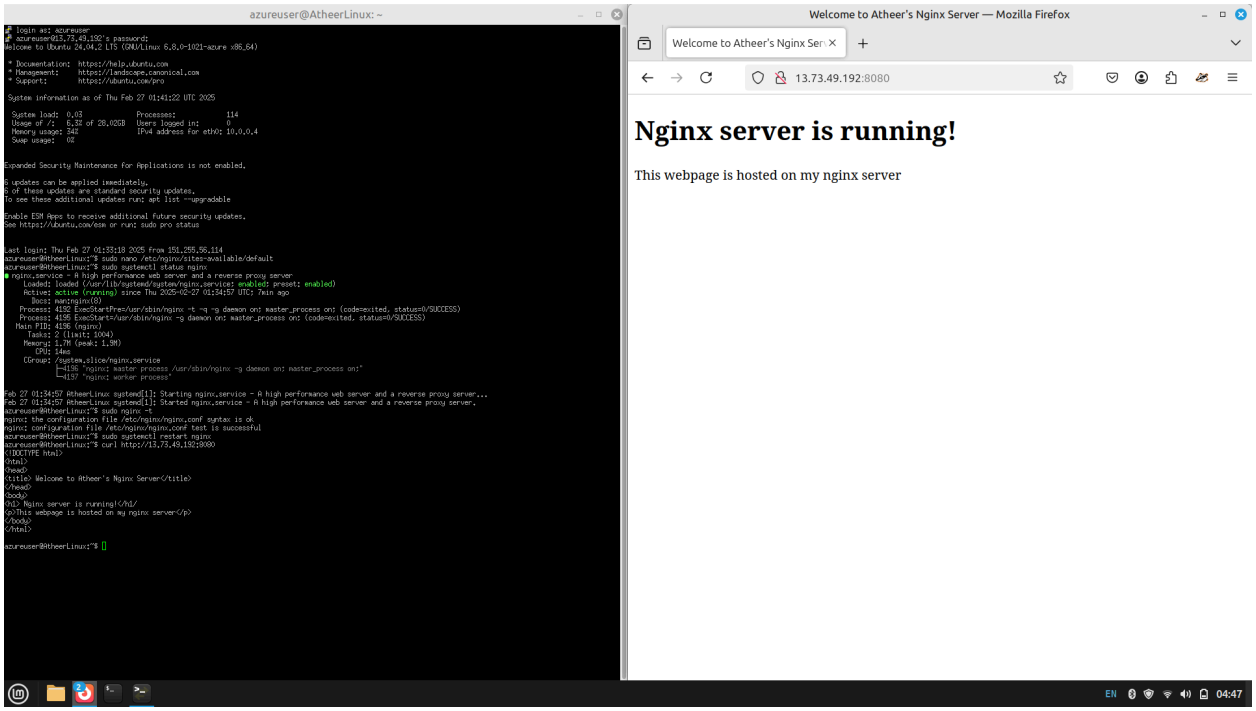
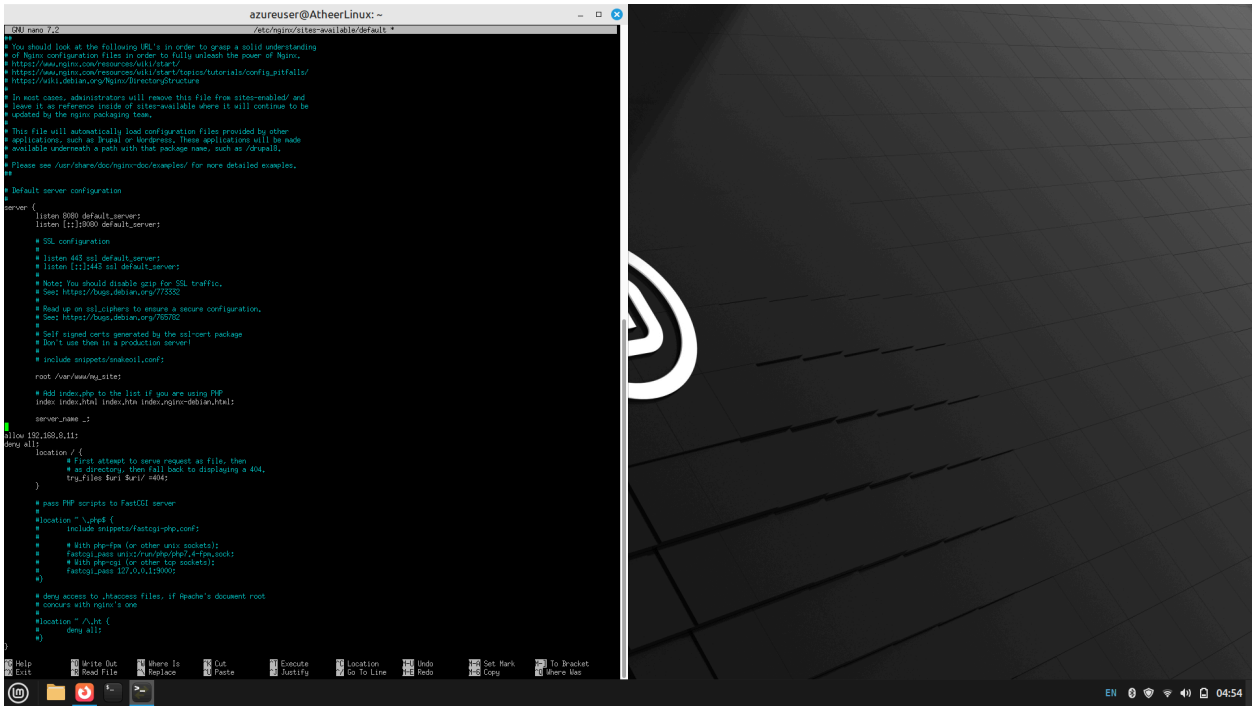
Server: nginx/1.24.0 (Ubuntu)
Date: Thu, 27 Feb 2025 01:00:47 GMT
Content-Type: text/html
Content-Length: 195
Last-Modified: Thu, 27 Feb 2025 00:28:52 GMT
Connection: keep-alive
ETag: "67bfb1c4-c3"
Accept-Ranges: bytes
azureuser@AtheerLinux:~$ sudo systemctl restart nginx
sudo: systemctl: command not found
azureuser@AtheerLinux:~$ sudo systemctl restart nginx
azureuser@AtheerLinux:~$ sudo systemctl stop nginx
azureuser@AtheerLinux:~$ systemctl start nginx
==== AUTHENTICATING FOR org.freedesktop.systemd1.manage-units ====
Authentication is required to start 'nginx.service'.
Authenticating as: Ubuntu (azureuser)
Password:
polkit-agent-helper-1: pam_authenticate failed: Authentication failure
==== AUTHENTICATION FAILED ====
Failed to start nginx.service: Access denied
See system logs and 'systemctl status nginx.service' for details.
azureuser@AtheerLinux:~$ sudo systemctlstart nginx
sudo: systemctlstart: command not found
azureuser@AtheerLinux:~$ sudo systemctl start nginx
azureuser@AtheerLinux:~$ sudo system status nginx
sudo: system: command not found
azureuser@AtheerLinux:~$ sudo systemctl status nginx
● nginx.service - A high performance web server and a reverse proxy server
Loaded: loaded (/usr/lib/systemd/system/nginx.service; enabled; preset: enabled)
Active: active (running) since Thu 2025-02-27 01:04:47 UTC; 27s ago
Docs: man:nginx(8)
Process: 3514 ExecStartPre=/usr/sbin/nginx -t -q -g daemon on; master_process on; (code=exited, status=0/SUCCESS)
Process: 3516 ExecStart=/usr/sbin/nginx -g daemon on; master_process on; (code=exited, status=0/SUCCESS)
Main PID: 3517 (nginx)
Tasks: 2 (limit: 1064)
Memory: 1.7M (peak: 1.9M)
CPU: 14ms
CGroup: /system.slice/nginx.service
├─3517 "nginx: master process /usr/sbin/nginx -g daemon on; master_process on;"
└─3518 "nginx: worker process"
Feb 27 01:04:47 AtheerLinux systemd[1]: Starting nginx.service - A high performance web server and a reverse proxy server...
Feb 27 01:04:47 AtheerLinux systemd[1]: Started nginx.service - A high performance web server and a reverse proxy server.
azureuser@AtheerLinux:~$
EN
04:05


azureuser@AtheerLinux: ~
GNU nano 7.2 /etc/nginx/sites-available/default *
You should look at the following URL's in order to grasp a solid understanding
of Nginx configuration files in order to fully unleash the power of Nginx.
https://www.nginx.com/resources/wiki/start/
https://www.nginx.com/resources/wiki/start/topics/tutorials/config_pitfalls/
https://wiki.debian.org/Nginx/DirectoryStructure
#
In most cases, administrators will remove this file from sites-enabled/ and
leave it as reference inside of sites-available where it will continue to be
updated by the nginx packaging team.
#
This file will automatically load configuration files provided by other
applications, such as Drupal or Wordpress. These applications will be made
available underneath a path with that package name, such as /drupal8.
#
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/773332
#
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;
root /var/www/my_site;
Add index.php to the list if you are using PHP
index index.html index.htm index.nginx-debian.html;
server_name _;
location / {
# First attempt to serve request as file, then
# as directory, then fall back to displaying a 404.
try_files $uri $uri/ =404;
}
# pass PHP scripts to FastCGI server
#
#location ~ \.php$ {
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;
#}
deny access to .htaccess files, if Apache's document root
concurs with nginx's one
#
#location ~ /\.ht {
deny all;
#}
}
^G Help ^O Write Out ^W Where Is ^K Cut ^T Execute ^C Location M-U Undo M-A Set Mark M-] To Bracket
^X Exit ^R Read File ^\ Replace ^U Paste ^J Justify ^/ Go To Line M-E Redo M-6 Copy ^Q Where Was
EN 04:12


azureuser@AtheerLinux: ~
login as: azureuser
azureuser@13.73.49.192's password:
Welcome to Ubuntu 24.04.2 LTS (GNU/Linux 6.8.0-1021-azure x86_64)
* Documentation: https://help.ubuntu.com
* Management: https://landscape.canonical.com
* Support: https://ubuntu.com/pro
System information as of Thu Feb 27 01:41:22 UTC 2025
System load: 0.03 Processes: 114
Usage of /: 6.3% of 28.02GB Users logged in: 0
Memory usage: 342 IPv4 address for eth0: 10.0.0.4
Swap usage: 0%
Expanded Security Maintenance for Applications is not enabled.
6 updates can be applied immediately.
5 of these updates are standard security updates.
To see these additional updates run: apt list --upgradable
Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status
Last login: Thu Feb 27 01:33:18 2025 from 151.255.96.114
azureuser@AtheerLinux:~$ sudo nano /etc/nginx/sites-available/default
azureuser@AtheerLinux:~$ sudo systemctl status nginx
● nginx.service - A high performance web server and a reverse proxy server
Loaded: loaded (/usr/lib/systemd/system/nginx.service; enabled; preset: enabled)
Active: active (running) since Thu 2025-02-27 01:34:57 UTC; 7min ago
Docs: man:nginx(8)
Process: 4132 ExecStartPre=/usr/sbin/nginx -t -q -g daemon on; master_process on; (code=exited, status=0/SUCCESS)
Process: 4135 ExecStart=/usr/sbin/nginx -g daemon on; master_process on; (code=exited, status=0/SUCCESS)
Main PID: 4136 (nginx)
Tasks: 2 (limit: 1604)
Memory: 1.7M (peak: 1.9M)
CPU: 14ms
CGroup: /system.slice/nginx.service
├─4136 "nginx: master process /usr/sbin/nginx -g daemon on; master_process on;"
└─4137 "nginx: worker process"
Feb 27 01:34:57 AtheerLinux systemd[1]: Starting nginx.service - A high performance web server and a reverse proxy server...
Feb 27 01:34:57 AtheerLinux systemd[1]: Started nginx.service - A high performance web server and a reverse proxy server.
azureuser@AtheerLinux:~$ sudo nginx -t
nginx: the configuration file /etc/nginx/nginx.conf syntax is ok
nginx: configuration file /etc/nginx/nginx.conf test is successful
azureuser@AtheerLinux:~$ sudo systemctl restart nginx
azureuser@AtheerLinux:~$ curl http://13.73.49.192:8080
<!DOCTYPE html>
<html>
<head>
<title> Welcome to Atheer's Nginx Server</title>
</head>
<body>
<h1> Nginx server is running!</h1>
This webpage is hosted on my nginx server
</body>
</html>
azureuser@AtheerLinux:~$
Welcome to Atheer's Nginx Server — Mozilla Firefox
Welcome to Atheer's Nginx Ser
13.73.49.192:8080
Nginx server is running!
This webpage is hosted on my nginx server
EN 04:47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#
In most cases, administrators will remove this file from sites-enabled/ and
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Note: You should disable gzip for SSL traffic.
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#
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#
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Don't use them in a production server!
#
include snippets/snakeoil.conf;
root /var/www/my_site;
Add index.php to the list if you are using PHP
index index.html index.htm index.nginx-debian.html;
server_name _;
allow 192.168.0.11;
deny all;
location / {
# First attempt to serve request as file, then
# as directory, then fall back to displaying a 404.
try_files $uri $uri/ =404;
}
# pass PHP scripts to FastCGI server
#
#location ~ \.php$ {
include snippets/fastcgi-php.conf;
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With php-fpm (or other unix sockets):
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fastcgi_pass 127.0.0.1:9000;
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deny access to .htaccess files, if Apache's document root
concurs with nginx's one
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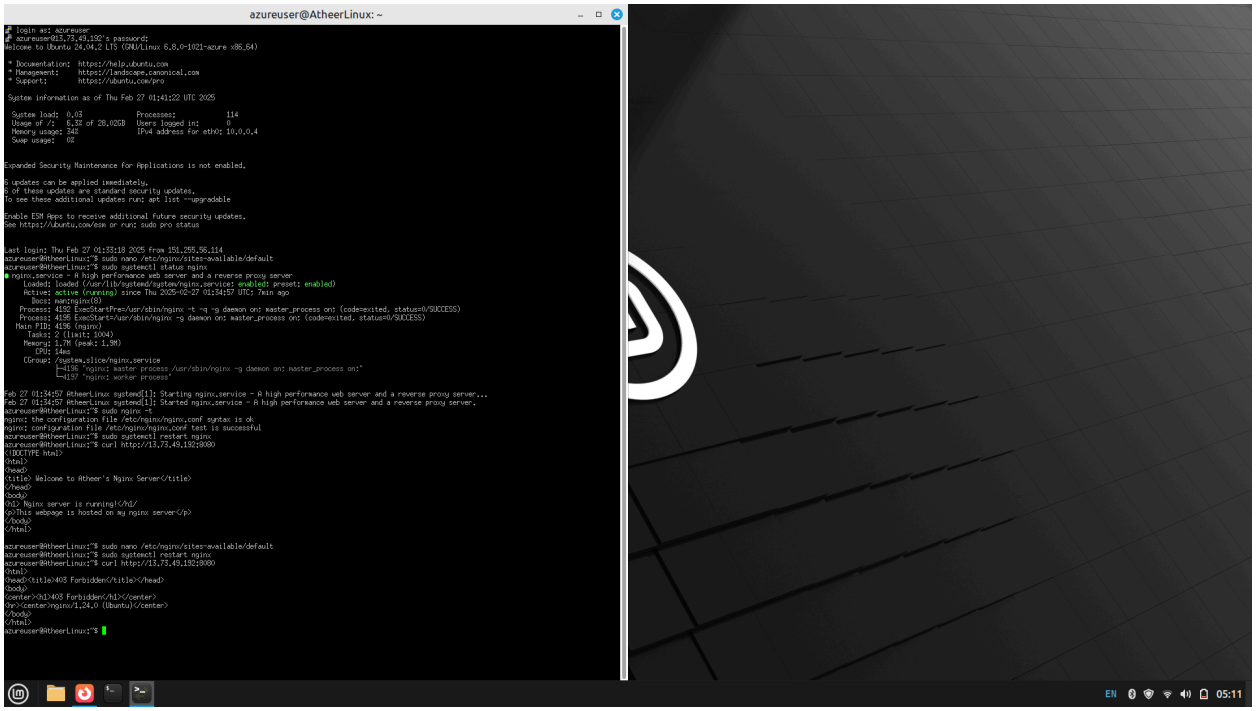
#location ~ /\.ht {
deny all;
#}
}
^G Help ^O Write Out ^W Where Is ^K Cut ^T Execute ^C Location M-U Undo M-A Set Mark M-] To Bracket
^X Exit ^R Read File ^\ Replace ^U Paste ^J Justify ^/ Go To Line M-E Redo M-6 Copy ^Q Where Was
EN 04:54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azureuser@AtheerLinux:~$ sudo systemctl restart nginx
azureuser@AtheerLinux:~$ curl http://13.73.49.192:8080
<html>
<head><title>403 Forbidden</title></head>
<body>
<h1>403 Forbidden</h1>
<hr> nginx/1.24.0 (Ubuntu)
</body>
</html>
azureuser@AtheerLinux:~$
EN 05:11