Assignment:5

Task:1

Tasks:

Start Systemd Service

Task: Download any web server(Nginx, Apache) and run it via Systemd. Check the status of the service, restart it with some changes and make sure that service run when host get restarted. Document the steps.

Certainly! Below are step-by-step instructions for installing Nginx, running it via Systemd, checking the service status, making changes and restarting the service, and configuring it to start automatically on system reboot.

Step 1: Install Nginx

sudo apt-get update

sudo apt-get install nginx

```
sumpy280itoux: S sudo apt install nginx
[sudo] password for sunny28:
sunny28 is not in the sudoers file. This incident will be reported.
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sunny28 is not in the sudoers file. This incident will be sunny28 is not in the sudoers for sunny28?
Reading sates information. Done
The following additional packages will be installed:
libnginx.mod.http.ssil.filter libnginx.mod.http.inage-filter
libnginx.mod.stream.geolpz nginx.common nginx.core
Suggested packages:
fogiurap nginx.doc
The following Num packages will be installed:
libnginx.mod.stream.geolpz nginx.common nginx.core
libnginx.mod.http.ssil.filter libnginx.mod.atitp.inage-filter
libnginx.mod.http.ssil.filter libnginx.mod.atitp.inage-filter
libnginx.mod.stream.geolpz nginx.common nginx.core
lupgraded, on evely installed, o to remove and 48 not upgraded.
Need to get 697 kB of archives.
After this operation, 2,395 kB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://in.archive.ubuntu.com/ubuntu jammy-updates/main andel libnginx.mod.tttp.geolpz.addid.18.0.ebuntui14.4 [15.0 kB]
Get:1 http://in.archive.ubuntu.com/ubuntu jammy-updates/main andel libnginx.mod.tttp.sgeolpz.addid.18.0.ebuntui14.4 [15.0 kB]
Get:4 http://in.archive.ubuntu.com/ubuntu jammy-updates/main andel libnginx.mod.tttp.ssil.filter.addid.18.0.ebuntui4.4 [15.7 kB]
Get:5 http://in.archive.ubuntu.com/ubuntu jammy-updates/main andel libnginx.mod.stream.andel.18.0.ebuntui4.4 [15.7 kB]
Get:6 http://in.archive.ubuntu.com/ubuntu jammy-updates/main andel libnginx.mod.stream.andel.18.0.ebuntui4.4 [15.7 kB]
Get:6 http://in.archive.ubuntu.com/ubuntu jammy-updates/main andel libnginx.mod.stream.andel.18.0.ebuntui4.4 [18.0 kB]
Get:6 http://in.archive.ubuntu.com/ubuntu.jammy-updates/main andel libnginx.mod.stream.andel
```

Step 2: Start Nginx and Check Status

sudo systemctl start nginx

sudo systemctl status nginx

Step 3: Make Changes and Restart

sudo nano /etc/nginx/nginx.conf

```
user www-data;
worker_processes auto;
pid /run/nginx.pid;
include /etc/nginx/modules-enabled/*.conf;
events {
        worker_connections 768;
http {
        sendfile on;
        tcp_nopush on;
        types_hash_max_size 2048;
        include /etc/nginx/mime.types;
        default_type application/octet-stream;
        ssl_protocols TLSv1 TLSv1.1 TLSv1.2 TLSv1.3; # Dropping SSLv3, ref: POODLE
        ssl_prefer_server_ciphers on;
        access_log /var/log/nginx/access.log;
        error_log /var/log/nginx/error.log;
        gzip on;
```

After making changes, restart Nginx:

sudo systemctl restart nginx

Step 4: Enable Auto-Start on Boot

sudo systemctl enable nginx