Setup Nginx

Login and User Setup

1. SSH into Your Machine
2. : Use an SSH client to log into your server.
3.

```

Copy sshyour_user@your_server_ip

```

Update System Packages

Frist, ensure that all packages are up to date. This can prevent security vulnerabilities.

```

Copy sudoapt update&&sudoaptupgrade&&sudoaptautoremove

```

Install Monitoring and Web Server Tools

1. Install Glances
2. : An advanced system monitor for Linux.
3.

```

Copy sudoaptinstallglances

```

1. Install Nginx
2. : A high-performance web server and a reverse proxy, often used for load balancing.
3.

```

Copy sudoaptinstallnginx

```

1. Configure UFW Firewall for Nginx
2. : Make sure Nginx can receive HTTP and HTTPS traffic.
3.

```

Copy sudoufwallow'Nginx HTTP' sudoufwallow'Nginx HTTPS'

```

Set Up Nginx Configuration

1. Remove Existing Nginx Configuration
2. :
3.

```

Copy sudo rm -rf/etc/nginx/nginx.conf

```

1. Edit New Configuration
2. : Use a text editor like nano to create a new configuration file.
3.

```
```

Copy sudonano/etc/nginx/nginx.conf

```
```

- Replace the contents with your load balancer configuration. You can use the[Example Nginx config](#)
- as a starting point.
- Modify RPC/LCD/gRPC server entries and domain names as required.
- Save and exit the editor (CTRL + X
- , thenY
- to confirm, andEnter
- to save).
-

- Test Nginx Configuration

- : Ensures your syntax is correct.

-

```
```

Copy sudonginx-t

```
```

1. Enable and Start Nginx
2. : This will make sure Nginx starts on boot and starts running immediately.
3.

```
```

Copy sudosystemctl enable nginxsudosystemctlstartnginx

```
```

Secure with SSL/HTTPS

1. Install Certbot
2. : This tool automates obtaining free SSL/TLS certificates from Let's Encrypt.
3.

```
```

Copy sudoapt-getinstallcertbot sudoapt-getinstallpython3-certbot-nginx

```
```

1. Obtain the SSL Certificate for your domain
2. :
3.

```
```

Copy sudocertbot --nginx -dyour_domain.com

```
```

1. Finally, you can add a cronjob to crontab to enable auto-newing of the certificates:
2.

```
```

Copy crontab-e 012***/usr/bin/certbotrenew--quiet

```
```