

# Nginx Installation & Configuration - V-1.0.0

Installs Nginx web server.

```
1. apt install nginx
```

Allows Nginx traffic through the firewall.

```
2. sudo ufw allow 'Nginx Full'
```

Enables the firewall (optional if UFW is already active).

```
3. sudo ufw enable
```

Edits the Nginx site configuration file.

```
4. sudo nano /etc/nginx/sites-available/api
```

Enables the site by creating a symbolic link.

```
5. sudo ln -s /etc/nginx/sites-available/api /etc/nginx/sites-enabled/
```

Tests Nginx configuration for syntax errors.

```
6. sudo nginx -t
```

Reloads Nginx to apply changes.

```
7. sudo systemctl reload nginx
```

Installs Certbot for obtaining SSL certificates.

```
8. sudo apt install certbot python3-certbot-nginx
```

Creates an A record in your DNS provider (like IONOS).

```
9. create an A tag in ionos
```

Obtains and applies an SSL certificate for the domain.

```
10. sudo certbot --nginx -d ip_address
```

Edits the domain-specific Nginx config.

```
11. sudo nano /etc/nginx/sites-available/api.domain
```

Enables the domain configuration by creating a symbolic link.

```
12. sudo ln -s /etc/nginx/sites-available/api.domain /etc/nginx/sites-enabled/
```

Tests Nginx configuration for syntax errors again.

```
13. sudo nginx -t
```

Reloads Nginx to apply the new domain configuration.

```
14. sudo systemctl reload nginx
```

For changes in the command v-1.0.x

For new commands v-1.x.0

Completely new script v-x.0.0

Produced By Litwebs Group Ltd