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- [Ubuntu 24.04?nginx?????](#)
- [Ubuntu24.04?????nginx???????????](#)

Ubuntu 24.04?nginx?????

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???apache?????????????????Ubuntu?????????nginx?????????

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1. ??????????????????
2. nginx???????????????
3. ?????????????
4. ?????????????

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- ???????????

```
sudo aptitude install curl gnupg2 ca-certificates lsb-release
```

- ???????

```
echo "deb http://nginx.org/packages/ubuntu/ $(lsb_release -cs) nginx" | sudo tee /etc/apt/sources.list.d/nginx.list
```

```
curl -fsSL https://nginx.org/keys/nginx_signing.key | sudo apt-key add -
```

nginx??????

- ???????????

```
sudo aptitude update
```

- nginx??????

```
sudo aptitude install nginx
```

- ?????????

```
nginx -v
```

nginx version: nginx/1.26.2 ????????(2024/10/25??)

- ??????

```
sudo systemctl start nginx.service
```

- ???????

```
systemctl status nginx.service
```

```
active(running) ??????
```

????(????)

????????????

?????:nginx????www-data????

- ???????

```
sudo cp -pi /etc/nginx/nginx.conf /path/to/backup/directory/nginx.conf.$(date +%Y%m%d)
```

????????????

- ???????

```
diff -u /path/to/backup/directory/nginx.conf.$(date +%Y%m%d) /etc/nginx/nginx.conf
```

????????????

- ???????

```
sudo sed -i 's/user nginx;/user www-data;/g' /etc/nginx/nginx.conf
```

- ???????

```
diff -u /path/to/backup/directory/nginx.conf.$(date +%Y%m%d) /etc/nginx/nginx.conf
```

????????

```
-user nginx;  
+user www-data;
```

- ??????

```
sudo systemctl restart nginx.service
```

- ???????

```
systemctl status nginx.service
```

active(running)`??????

?????:Web??????????????

- web????????????

```
sudo mkdir -p /home/www-data
```

```
sudo chown -R www-data:www-data /home/www-data
```

```
sudo chmod -R 755 /home/www-data
```

?????:passwd??????????

??

- ???????

```
sudo cp -pi /etc/passwd /path/to/backup/directory/passwd.$(date +%Y%m%d)
```

????????????????????

- ???????

```
diff -u /path/to/backup/directory/passwd.$(date +%Y%m%d) /etc/passwd
```

????????????????

- ???????

```
sudo sed -i 's|/var/www|/home/www-data|' /etc/passwd
```

- ?????

```
diff -u /path/to/backup/directory/passwd.$(date +%Y%m%d) /etc/passwd
```

????????

```
-www-data:x:33:33:www-data:/var/www:/usr/sbin/nologin
+www-data:x:33:33:www-data:/home/www-data:/usr/sbin/nologin
```

?????2????????????????

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?????nginx????????????????

Ubuntu24.04?????nginx?????????????

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Ubuntu24.04????????????????nginx??apache????????????????????????????

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```
sudo mkdir -p /etc/nginx/sites-available
```

```
sudo mkdir -p /etc/nginx/sites-enabled
```

```
ls -ld /etc/nginx/sites*
```

sites-available ? sites-enabled ??????????????????

????????????

- ?????????

```
sudo cp -pi /etc/nginx/nginx.conf /path/to/backup/directory/nginx.conf.$(date +%Y%m%d)
```

????????????????????

- ?????????

```
diff -u /path/to/backup/directory/nginx.conf.$(date +%Y%m%d) /etc/nginx/nginx.conf
```

????????????????

- ???????

```
sudo sed -i 's/http {/http { \ include /etc/nginx/sites-enabled/*;' /etc/nginx/nginx.conf
```

- ?????????

```
diff -u /path/to/backup/directory/nginx.conf.$(date +%Y%m%d) /etc/nginx/nginx.conf
```

????????????

```
+ include /etc/nginx/sites-enabled/*;
```

?????html???????

????????????????????

```
sudo -u www-data tee /home/www-data/index.html > /dev/null <<EOL
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Welcome to example.com</title>
</head>
<body>
<h1>Welcome to example.com!</h1>
<p>This is a sample page served by Nginx.</p>
</body>
</html>
EOL
```

????????????????

?????server_name????????

- ??????

```
sudo tee /etc/nginx/sites-available/sample.conf > /dev/null <<EOL
server {
listen 80;
server_name example.com www.example.com;

root /home/www-data;
index index.html index.htm;

location / {
try_files $uri $uri/ =404;
}

# 
# 
server_tokens off;

# MIME
```

```
include /etc/nginx/mime.types;

default_type application/octet-stream;


# XSS
add_header X-Content-Type-Options nosniff;
add_header X-Frame-Options SAMEORIGIN;
add_header X-XSS-Protection "1; mode=block";


# 
client_max_body_size 1M;


# 
access_log /var/log/nginx/example.com.access.log;
error_log /var/log/nginx/example.com.error.log;
}

EOL
```

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- ?????????

```
sudo ln -s /etc/nginx/sites-available/sample.conf /etc/nginx/sites-enabled/
```

- ???

```
sudo nginx -t
```

“ nginx: the configuration file /etc/nginx/nginx.conf syntax is ok
nginx: configuration file /etc/nginx/nginx.conf test is successful

??????

- ??????

```
sudo systemctl restart nginx.service
```

???URL????????????

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