

Deployment Guide for Node.js / Python Project on Ubuntu Server

SSH into Your Server

ssh root@143.110.242.217

Password: Jai@140806

Navigate to Home Directory and Clone the Project

```
cd ../../home
```

```
ls
```

```
git clone <your_repo_url>
```

```
cd <your_repo_name>
```

```
ls
```

Install Required Libraries

For Node.js: npm install

For Python (Django): pip install -r requirements.txt

Open Firewall Port for Application Access

```
sudo ufw allow 8003
```

```
sudo firewall-cmd --add-port=8003/tcp
```

Run the Application

Python (Django): python manage.py runserver 0.0.0.0:8003

Node.js: npm start

Run the Application in Background

Python: nohup python manage.py runserver 0.0.0.0:8003 &

Node.js: nohup npm start &

Check If IP:PORT Is Accessible

http://143.110.242.217:8003

Configure Apache2 for Domain Access

```
sudo nano /etc/apache2/sites-available/yourdomain.com.conf
```

```
<VirtualHost *:80>
```

```
    ServerName yourdomain.com
```

```
    ProxyPreserveHost On
```

```
    ProxyRequests Off
```

```
    AllowEncodedSlashes NoDecode
```

```
<Proxy *>
```

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```
    Require all granted
</Proxy>
```

```
ProxyPass / http://127.0.0.1:8003/
ProxyPassReverse / http://127.0.0.1:8003/
```

```
ErrorLog ${APACHE_LOG_DIR}/yourdomain_error.log
CustomLog ${APACHE_LOG_DIR}/yourdomain_access.log combined
</VirtualHost>
```

Enable Site and Restart Apache

```
sudo a2ensite yourdomain.com.conf
sudo systemctl restart apache2
sudo a2enmod proxy
sudo a2enmod proxy_http
sudo systemctl restart apache2
```

Access Your App via Domain

<http://yourdomain.com>

Final Checklist

- SSH into server
- Clone repository
- Install dependencies
- Open necessary ports
- Run app in background
- Test via IP and Port
- Configure Apache with domain
- Restart Apache
- Test with domain