

JavaScript (Angular) Project Deployment on Ubuntu with Apache

This guide provides step-by-step instructions for deploying an Angular-based JavaScript project on an Ubuntu server using Apache.

Step 1: Update and Install Required Packages

Run the following commands to update your system and install necessary packages:

```
sudo apt update && sudo apt upgrade -y
```

```
sudo apt install apache2 -y
```

```
sudo apt install curl -y
```

Step 2: Install Node.js and npm

Use the following commands to install Node.js (version 18.x) and npm:

```
curl -fsSL https://deb.nodesource.com/setup_18.x | sudo -E bash -
```

```
sudo apt install -y nodejs
```

Verify Installation:

```
node -v
```

```
npm -v
```

Step 3: Clone the Angular Project

Clone the project from GitHub:

```
git clone https://github.com/daniyel7devops/angularjs-project-example.git
```

```
cd angularjs-project-example
```

Step 4: Build Your Application

Install dependencies and build the application:

```
npm install
```

```
npm run build
```

This command will generate a build/ or dist/ folder containing the production-ready files.

Step 5: Configure Apache to Serve the Build Output

Copy Build Output to Apache Web Root:

```
sudo cp -r dist/* /var/www/html/
```

Or if build folder is used:

```
# sudo cp -r build/* /var/www/html/
```

Set Proper Permissions:

```
sudo chown -R www-data:www-data /var/www/html
```

Restart Apache:

```
sudo systemctl restart apache2
```

Step 6: Access Your Application

Open your web browser and go to:

<http://54.157.17.40>

Replace <54.157.17.40> with your actual EC2 instance's public IP address.

You should see the deployed application as shown below:

