Node-app deployment→freestyle project

Install Node.js, npm, PM2 manually for Jenkins user

Run these commands on your server:

```
# Install Node.js
sudo apt install -y nodejs
# Install npm
sudo apt install npm -y

# Install PM2 globally for Jenkins user
npm install -g pm2
```

Now Jenkins will own the tools, no `sudo` needed.

Job 1— Pull repository

1. **New Item → Freestyle project** → name: `node-pull-repo`.

2. **Source Code Management → Git** → Repo URL:

   ```
   https://github.com/iamtruptimane/node-js-app-CICD.git
   ```

3. **Branch**: `main` (or whatever your default is).

4. **Build Triggers** → check **GitHub hook trigger for GITScm polling** (for auto build on push).

5. **Build Steps** → leave empty (since only pulling code).

6. Save.

Job 2 — Install dependencies

1. **New Item → Freestyle project** → name: `node-install-deps` .

2. **Build Triggers → Build after other projects are built** → enter `node-pull-repo` .

3. **Build Steps → Execute shell**:

```
cd "/var/lib/jenkins/workspace/node-pull-repo"
npm install
```

4. Save.

Job 3 — Deploy application

1. **New Item → Freestyle project** → name: `node-deploy-app` .

2. **Build Triggers → Build after other projects are built** → enter `node-install-deps` .

3. **Build Steps → Execute shell**:

```
cd "/var/lib/jenkins/workspace/node-pull-repo"
pm2 start app.js --name node-app || pm2 restart node-app
```