

## Prerequisites

1. **Node.js:** Ensure Node.js and npm are installed.(**v18.20.4**)
2. **Angular CLI:** Install Angular CLI globally.(**latest**)
3. `node_modules` folder from another windows machine of the same configuration having internet access to be placed in the backend. For getting `node_modules` from another machine. Run “npm install” command in the backend folder will install the packages and `node_modules` folder will populate

## Project Structure:

monorepo/

```
|— backend/
|  |— src/
|  |— node_modules/
|  |— package.json
|  └─ ...
|— frontend/
|  |— src/
|  |— dist/
|  |— node_modules/
|  |— angular.json
|  |— package.json
|  └─ ...
|— package.json
```

1. **Open command prompt and type nssm if not installed and show as command not recognised, follow step 2 otherwise continue with step 3**
2. **Download NSSM and Install**

<https://nssm.cc/download>

Move the nssm.exe in programs files

Update the path in the system environment variable PATH by putting the path of nssm.exe folder

Try in cmd prompt by typing nssm will recognise the command to check successful installation.

### 3. Update the code and run

- Put the code on the server at your preferred location.
- Go to backend and frontend and put their node\_modules folder with packages in it.
- Create .env file and put the project required secret variables there(**IMPORTANT STEP**)
- Start node js backend with NSSM service using below commands keeping "SAIB\_UAT" as service name.
  1. nssm install SAIB\_UAT "C:\Program Files\nodejs\node.exe"  
Will show output as "Service "SAIB\_UAT" installed successfully!"
  2. nssm set SAIB\_UAT AppDirectory  
"C:\Users\Administrator\Downloads\SAIB\_PROJECT-dev\SAIB\_PROJECT-dev\backend"  
Will show output as "Set parameter "AppDirectory" for service "SAIB\_UAT"."
  3. nssm set SAIB\_UAT AppParameters app.mjs  
Will show output as "Set parameter "AppParameters" for service "SAIB\_UAT"."
  4. nssm start SAIB\_UAT  
Will show output as "SAIB\_UAT: START: The operation completed successfully."

### 4. Enable Port of the system

1. Search and go to windows defender firewall
2. Click on Advance settings from the left navigation menu
3. Click on Inbound Rules
4. From right click on New Rule to allow the port backend is using
5. Create a Rule to allow 3000 port backend is using by default, check .env as well if you are using any custom port other than default 3000.

