# Deploying App Using WebPack

Step:1 Let’s put the Angular App in Production Mode

* ng build --configuration=production

or

* ng build

after running this it will create /dist forlder in root directory

Step:2 using cmd move to that folder and run the application using ng serve and use a different port number

Step:3 Deploying using Custom WebPack

1. Createwebpack.config.js file in your app> directory
2. Install webpack ---> npm install @angular-builders/custom-webpack@16.0.1 --save-dev
3. Goto> angular.json file

**Install packages**

* npm install @angular/core @angular/common @angular/platform-browser @angular/platform-browser-dynamic rxjs zone.js
* npm install --save-dev webpack webpack-cli webpack-dev-server ts-loader html-webpack-plugin clean-webpack-plugin copy-webpack-plugin typescript

webpack.config.js

const path = require('path');

const HtmlWebpackPlugin = require('html-webpack-plugin');

const { CleanWebpackPlugin } = require('clean-webpack-plugin');

module.exports = {

  mode: 'production', // or 'development'

  entry: './src/main.ts',

  output: {

    path: path.resolve(\_\_dirname, 'dist'),

    filename: 'main.[contenthash].js',

  },

  resolve: {

    extensions: ['.ts', '.js'],

  },

  module: {

    rules: [

      {

        test: /\.ts$/,

        use: 'ts-loader',

        exclude: /node\_modules/,

      }

    ],

  },

  plugins: [

    new CleanWebpackPlugin(),

    new HtmlWebpackPlugin({

      template: './src/index.html'

    })

  ],

  devServer: {

    port: 4200,

    historyApiFallback: true,

    open: true,

  }

};

Package.json

{

  "name": "routing-app",

  "version": "0.0.0",

  "scripts": {

    "ng": "ng",

    "start": "webpack serve --config webpack.config.js",

  "build": "webpack --config webpack.config.js",

    "watch": "ng build --watch --configuration development",

    "test": "ng test"

  },

  "private": true,

  "dependencies": {

    "@angular/animations": "^16.1.0",

    "@angular/common": "^16.2.12",

    "@angular/compiler": "^16.1.0",

    "@angular/core": "^16.2.12",

    "@angular/forms": "^16.1.0",

    "@angular/platform-browser": "^16.2.12",

    "@angular/platform-browser-dynamic": "^16.2.12",

    "@angular/router": "^16.1.0",

    "bootstrap": "^5.3.6",

    "rxjs": "~7.8.0",

    "tslib": "^2.3.0",

    "zone.js": "^0.13.3"

  },

  "devDependencies": {

    "@angular-builders/custom-webpack": "^16.0.1",

    "@angular-devkit/build-angular": "^16.1.0",

    "@angular/cli": "~16.1.0",

    "@angular/compiler-cli": "^16.1.0",

    "@types/jasmine": "~4.3.0",

    "jasmine-core": "~4.6.0",

    "karma": "~6.4.0",

    "karma-chrome-launcher": "~3.2.0",

    "karma-coverage": "~2.2.0",

    "karma-jasmine": "~5.1.0",

    "karma-jasmine-html-reporter": "~2.1.0",

    "typescript": "~5.1.3"

  }

}

Run locally

* npm start

run on server

* npm run build