

Angular 16 Zero-Dependency Microfrontend Guide

This guide creates a pure Angular 16 microfrontend with **zero additional dependencies** - just vanilla Angular that can be loaded by any microfrontend orchestrator (Single SPA, Module Federation, or custom).

Prerequisites

- Angular CLI 16+
- Node.js 16+
- No additional dependencies needed!

Initial Setup

1. Create New Angular Project

```
bash

ng new my-zero-dep-microfrontend --routing=true --style=scss
cd my-zero-dep-microfrontend
```

2. Install Only Style Isolation Dependencies (Optional)

```
bash

# Only for style isolation (completely optional)
npm install -D postcss postcss-prefixwrap autoprefixer
```

Note: Even PostCSS is optional - you can do manual style prefixing instead.

Project Configuration

3. Configure angular.json

Replace the build configuration in `angular.json`:

```
json

{
  "projects": {
    "my-zero-dep-microfrontend": {
      "architect": {
```

```
"build": {  
  "builder": "@angular-devkit/build-angular:browser",  
  "options": {  
    "outputPath": "dist",  
    "index": "src/index.html",  
    "main": "src/main.microfrontend.ts",  
    "polyfills": [  
      "zone.js"  
    ],  
    "tsConfig": "tsconfig.app.json",  
    "assets": [],  
  },  
}
```

Content is user-generated and unverified.