

From Angular 5 to 7

How ?

Because Angular is continuously upgrading, the official site of Angular provides an update guide where you enter your current version and the version you want to upgrade to, and that will provide you every step you need to take : <https://update.angular.io/>. Some steps run automatic migrations on files in the project.

Here is a the checklist I followed in order to complete the migration :

During the Update

- Make sure you are using Node 8 or later
- Update your Angular CLI globally and locally, and migrate the configuration to the new angular.json format by running the following:

```
npm install -g @angular/cli  
npm install @angular/cli  
ng update @angular/cli
```

- Update all of your Angular framework packages to v6, and the correct version of RxJS and TypeScript.

```
ng update @angular/core
```

- Use ng update or your normal package manager tools to identify and update other dependencies.
- Update v7 of the core framework and CLI by running `ng update @angular/cli @angular/core` in your terminal

After the Update

- Remove deprecated RxJS 6 features using [rxjs-tslint auto update rules](#)

```
npm install -g rxjs-tslint  
rxjs-5-to-6-migrate -p src/tsconfig.app.json
```

Why?

Because Angular is continuously improving, and the recent version Angular 7 offer more capabilities and resolved other issues. Here is a list of new features :

- **CLI prompts**

The CLI prompts will prompt when typing commands like `@angular/material`, `ng-new`, and `ng-add` to help them discover the in-built SCSS support, routing, and more.

- **Angular material & component dev kit (CDK)**

Refresh, virtual scrolling, large lists of data, dynamic loading and unloading of parts of the DOM also were the part of improvements in CDK and Angular Material.

- **Drag & drop**

the Drag-and-Drop support has now been implemented in CDK and it also includes automatic rendering as the users relocates items.

- **Application performance improvements**

The development team have always focused on the performance improvements, and while doing so, they recently found that most of the developers were using `reflect-metadata` in their production, which actually was only required in the development. So, to fix this problem, they've made a part of Angular 7 to automatically remove this from the **`polyfills.ts` file**.