



# Angular Advanced Short recap day #1



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# Why devs and enterprises like Angular...



CLI



Router



HTTP



Forms



Animations



i18n



Testing



Language  
Services



Universal

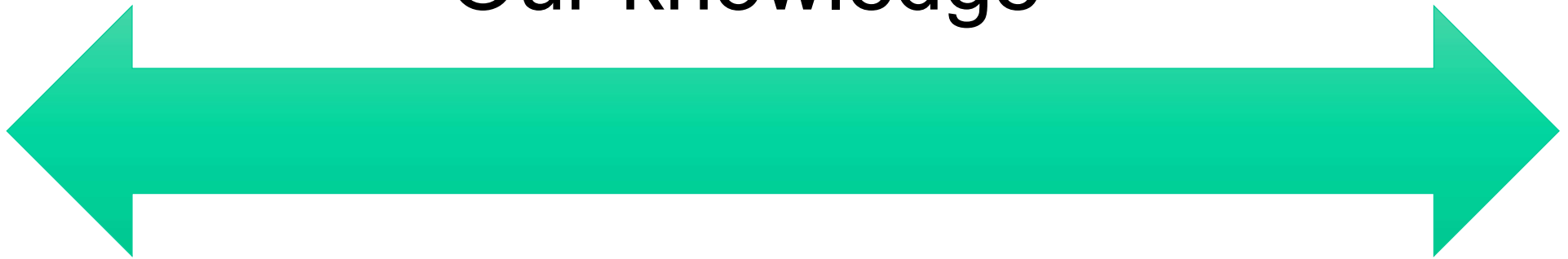


Material &  
CDK

“Advanced”

# Broadening

Our knowledge

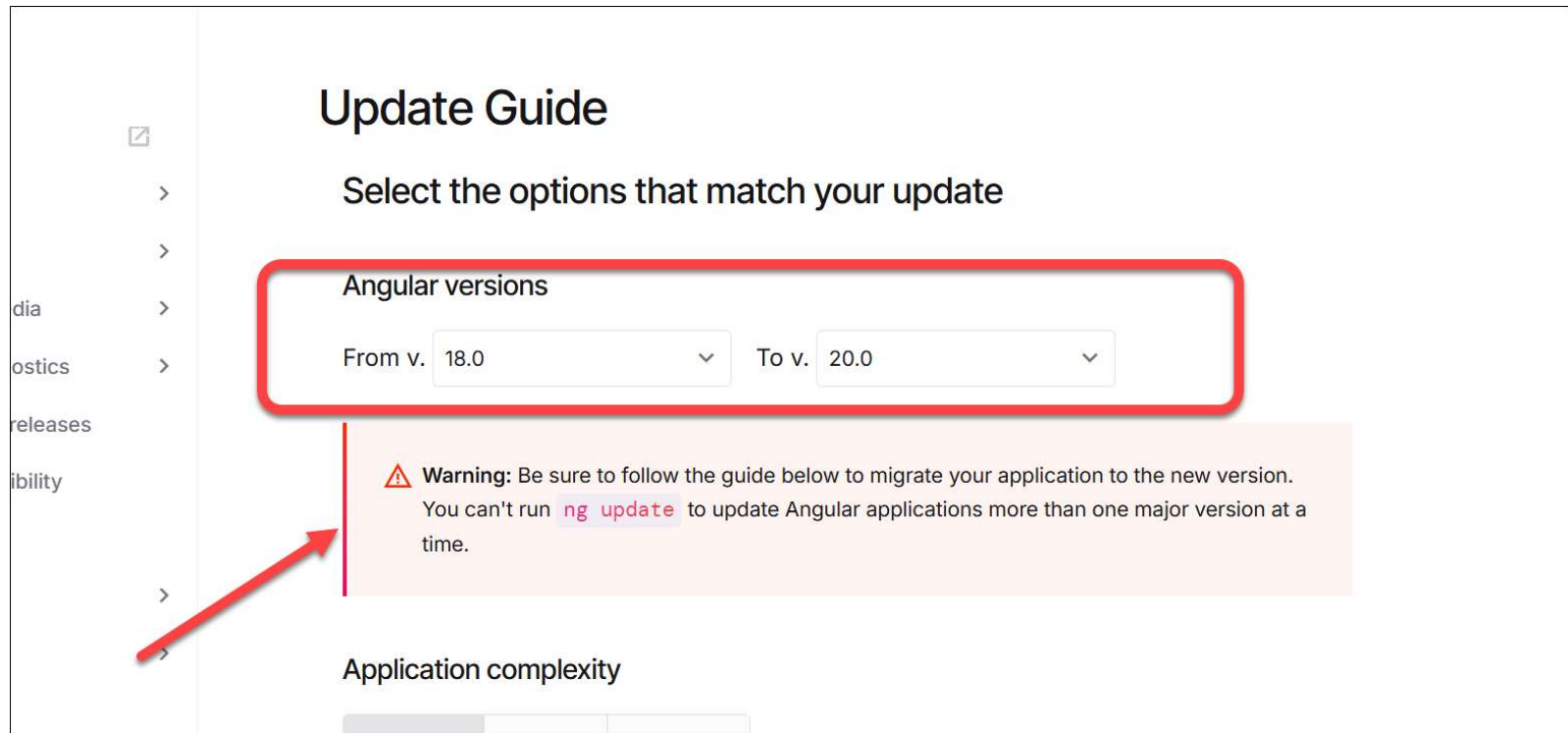


## Recap day 1: **Refresher + new features**

- NPM, NPX, node\_modules, webpack, Vite and more
- `@for`, `@if-else`, `@switch()`
- Standalone components and module-less defaults
  - No more `.component`, `.service`, etc. suffix, unless schema added to `angular.json`
- Dependency Injection,
  - Constructor injection and using `inject()`
- `provideHttpClient()`
  - Add to `app.config.ts`, add to `bootstrapApplication()`
- Signals
  - `signal() (Writable)`, `computed()`, `effect()`

# On ng update






- DON'T try to update over **major versions** (e.g. from NG 19 → NG 21)



<https://angular.dev/update-guide>

# Extra: ceating an 'ng add' schematic



## Nitay Neeman's Blog



### Contents

- The Goal
- Initializing a Workspace
- Internal Library
  - Creating the Library
  - Using the Library
- Schematics Project
  - Creating the Project
  - Adding a Schematic
  - Running a Schematic
- Publishing Process
  - Adding npm Scripts
  - Copying Schematics to "dist"
  - Publishing the Package
- Demo Application
- Summary


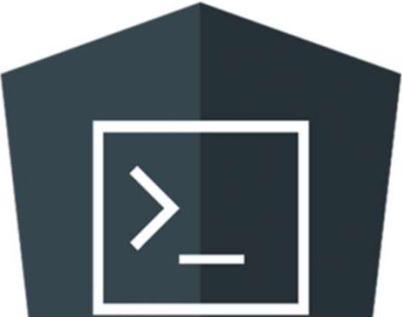

## Making an Addable Angular Package Using Schematics

August 11, 2018 | 14 min read |  

*Let's try to create an Angular library that's consumable easily by making an "ng add" schematic. This library will provide a simple exported Angular Element.*

"**Angular CLI** is the best thing which happened to Angular" - that's how I was thinking for a long time. Simply, it lets you do a lot of stuff with no effort.


But then, Angular announced a new idea, called Angular Labs, which has a purpose of initiating new explorations. Basically, that's the place that **Angular Elements** and **Schematics** came from. In this way, the Angular team made my heart skip a beat once again. 😊




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<https://nitayneeman.com/posts/making-an-addable-angular-package-using-schematics/>

## Extra: sending data with a route

- Add a `data: { ...}` property to the route
- Send data that you don't want to appear in the URL...
- ...but you want to be accessible in the receiving component

```
...: [  
  {  
    path: 'ikea',  
    component: IkeaComponent,  
    // sending data with the route - mostly data you DON'T want  
    // to appear in the browser URL, for instance:  
    data: {  
      location: 'Utrecht',  
      postcode: '3526 AP',  
      address: 'Van Rensselaerlaan 7'  
    }  
  }  
]
```

# Retrieving the data from the route

```
// Fetching data send with the route:  
// Inject the route, subscribe to the data attribute.  
  
address: string;  
postcode:string;  
location:string;  
  
constructor(private route: ActivatedRoute) { }  
  
ngOnInit(): void {  
    this.route.data.subscribe((data:any)=>{  
        this.address = data.address;  
        this.postcode = data.postcode;  
        this.location = data.location;  
    })  
}
```





*Questions?*

# Today – day #2

- **Advanced components**
  - Smart/View ~,
  - Content Projection,
- **Store & Observables**
  - Creating observables from scratch using RxJS, (un)subscribing, operators
  - Introduction - @ngrx/store
  - Concepts,
    - State,
    - Action,
    - Reducer,
    - Dispatcher, Effect, Http



# Next up

- Day 3: **Miscellaneous**
  - Stores with Payload
  - Unit Testing
  - Template Forms vs. Reactive Forms,
  - Dynamic Forms
  - ...
  - Your turn : Q & A, specific issues
  - Goodbye



***Angular Advanced, day #3***



***Friday, 09:00 hr***

