

ALEXANDER VAN EERD

June 19, 2018



WHAT VERSION?

- AngularJS = version 1.x
- Angular = version 2.x, 4.x, 5.x, 6.x, ...
- Angular has a release cadence of 6 months







WHAT IS ANGULAR?

Angular is a platform that makes it easy to build applications with the web.

Angular combines declarative templates, dependency injection, end to end tooling, and integrated best practices to solve development challenges.

Angular empowers developers to build applications that live on the web, mobile, or the desktop.



WHAT DO WE NEED FOR ANGULAR?

- NodeJS 8.x
- NPM 5.x
- Angular CLI
- An editor (VS Code)





NODEJS? NPM?

NodeJS is a cross-platform JavaScript runtime used for running server-side JS-code.

Node Package Manager (NPM) is the default package manager that comes bundled with NodeJS. It stores dependencies in the file package.json.



ANGULAR CLI

A command line interface for Angular used for generating code and building/testing your projects.

```
ng new <my-project> // Generate new project

ng serve // Run app locally for dev

ng build // Build your app

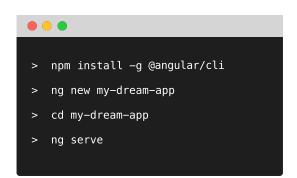
ng test // Run tests

Project

> npm install -> ng new my-dream-a

> cd my-dream-a

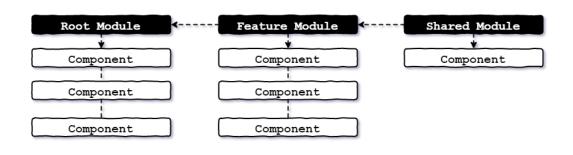
> ng serve
```

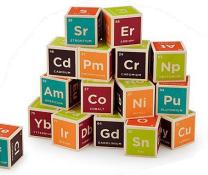




ARCHITECTURE - MODULES

- Modules are the building blocks for Angular apps
- Collect related code into functional sets
- App should have one root module for bootstrapping
- Provide a compilation context for components





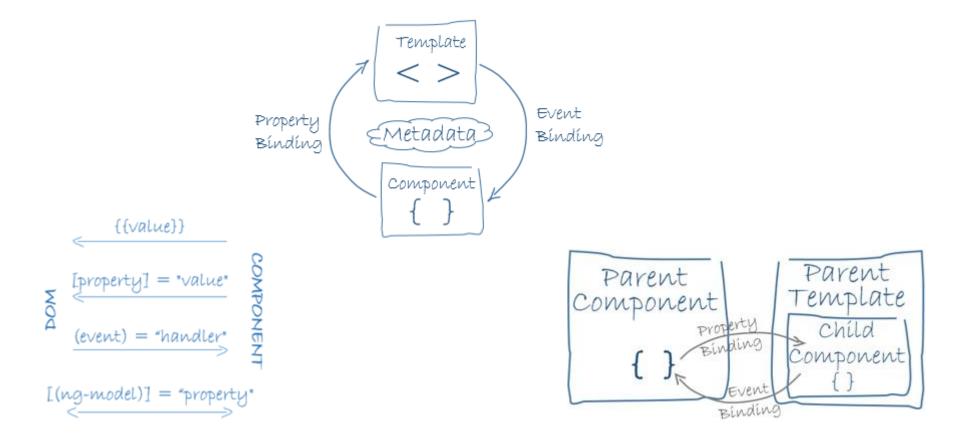


ARCHITECTURE - COMPONENTS

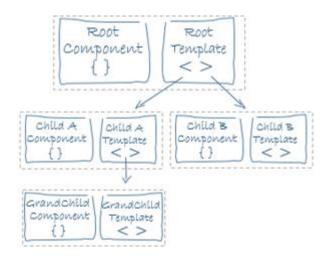
- Components define views
- Components use services which are injected using DI
- Uses TypeScript decorators to add metadata for Angular
- Metadata includes: selector, template (url), styles (url), etc.

```
Imports other required
            modules
          Component } from '@angular/core';
                                     Metadata to describe
@Component({
                                     the component
  selector: 'app-container',
  template: `<h1>{{message}}</h1>`
export class AppComponent {
  message : string = "Hello World";
  constructor() {
   Class to define the component. It
  contains data and logic
```









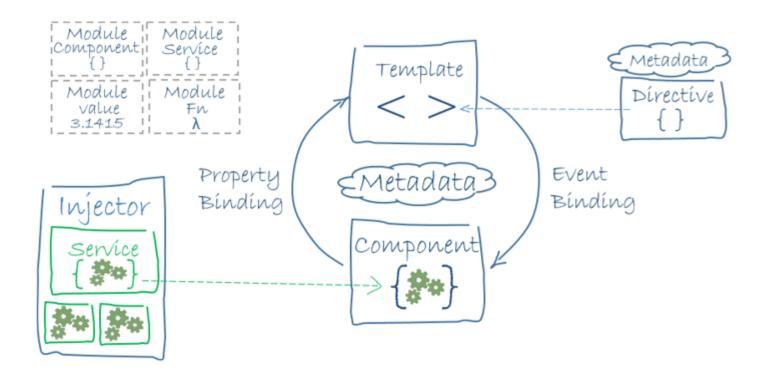
ARCHITECTURE - SERVICES

- Used by components
- Provide specific functionality not directly related to views
- Functionality to share across components

```
import { Injectable } from '@angular/core';
@Injectable()
export class MyService {
}
```











CODE AND PRESENTATION ON GITHUB!







THAT'S IT, THANKS!

Alexander van Eerd alexander.van.eerd@centric.eu

