Introduction to Angular 4 and Installation

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Document History

Version No.	Authored/ Modified by	Remarks/ Change History	Date <dd- mon-yy >
1.0	Asfiya Khan	First version of Angular 4	13 March 2018

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Course Structure

Target audience	Trainee,SE,SSE
Level	1,2,3
Pre-requisites	Javascript,TypeScript,HTML,CSS
Training methods	Presentation , Demos, Hands-on
Evaluation	Multiple Choice Question

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Angular Version History

- ✓ **AngularJS / Angular 1**
- ✓ **Angular 2 :** Complete rewrite of AngularJS
- ✓ **Angular 3 :** Skipped
- ✓ **Angular 4 :** Backward compatible with Angular 2

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What Is Angular?

- ✓ Frontend/Client Side **JavaScript** framework
- ✓ Created & maintained by Google
- ✓ Used to build powerful single page applications (SPAs)
- ✓ Part of the very powerful MEAN stack
- ✓ What HTML would be if created for dynamic web applications

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What Angular is NOT

- ✓ A server side framework/technology
- ✓ JavaScript library (jQuery, React, etc)
- ✓ Design pattern
- ✓ Platform or language (.NET, Java)
- ✓ Plugin or extension

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Why Use Angular?

- ✓ Rapid Development & Code Generation
- ✓ Code Organization & Productivity
- ✓ Dynamic Content
- ✓ Cross Platform
- ✓ Unit Testing Ready

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Core Features & Common Terms

- ✓ Components
- ✓ Data Binding
- ✓ Directives
- ✓ Services
- ✓ Templating
- ✓ Pipes
- ✓ Routing
- ✓ HTTP Module
- ✓ Events
- ✓ Testing
- ✓ Observables
- ✓ Animation
- ✓ Build Tools
- ✓ Forms Module
- ✓ TypeScript

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Installing Angular 4

2 Main ways to install

- ✓ Angular CLI
- ✓ Quickstart Seed

Dependencies

- ✓ Node.js & NPM

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Lets go through the installation

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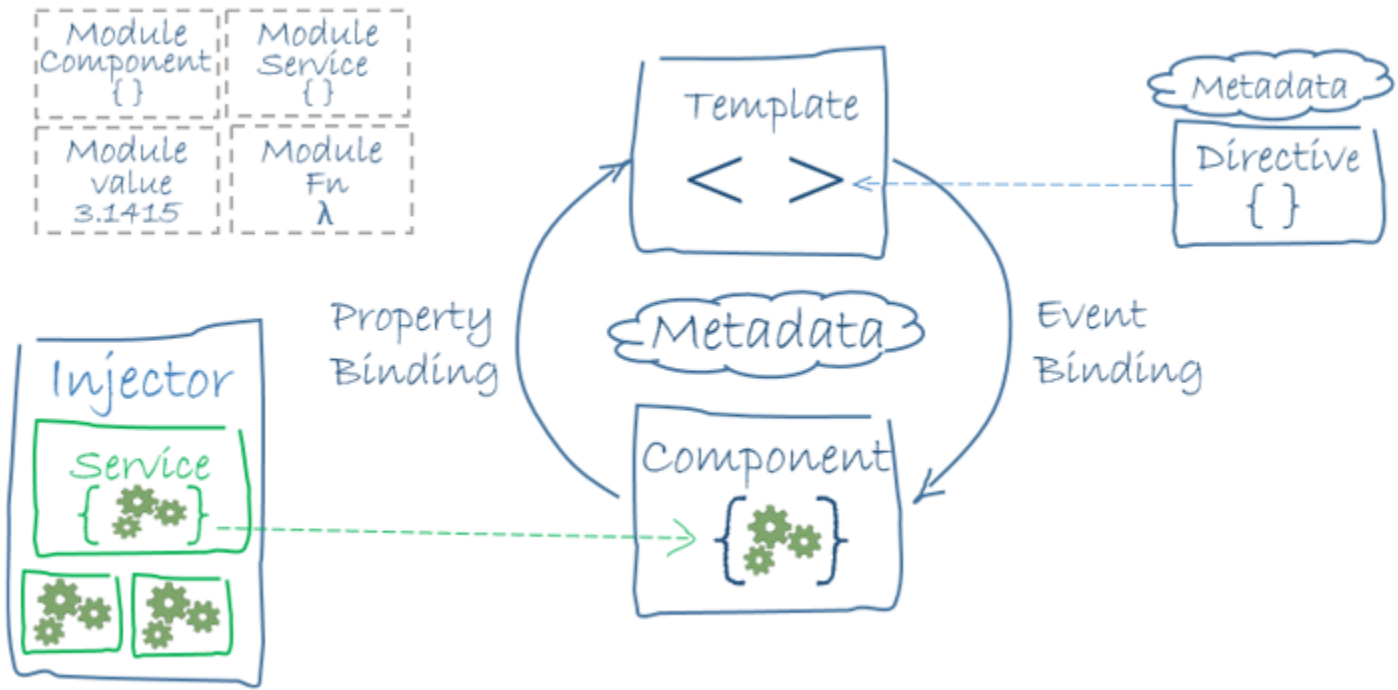
Architecture Overview



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