

# Changelog

This document highlights the changes for each version of ng-book. You can find this document on the web at: <https://www.ng-book.com/2/p/Changelog/><sup>168</sup>.

Be sure to check there to ensure that you have the latest revision.

## Revision 60 - 2017-04-27

Updates the book and code to Angular 4 version `angular-4.1.0`.

## Revision 59 - 2017-04-07

- “First App” - Reddit example, added ids to the input tags and other typos - Reported by Alexey A., Damien W.
- “How Angular Works” - Fixed typos reported by Richard M.
- “Built-in Components” - Fixed typos reported by Oleksij L.
- “Advanced Components” - Typos reported by Tom G. and Arshaan B.
- “HTTP” - Typos reported by Arshaan B.
- “Dependency Injection” - Fixes wrong code example reported by Emin L.
- “Redux” - Fixes old reference to `OpaqueToken` (now `InjectionToken`), Fixes typos reported by Arshaan B.
- “Routing” - Fixed URLs that pointed to `localhost:8080` instead of port `4200` - Reported by Arshaan B.
- “RxJS” - Fixes a confusing hypothetical subscription reported by Arshaan B.
- “Forms” - Fixes the demo which was using the same component and typos - reported by Christopher S., Richard M.
- Fixed remaining `next()` -> `emit()` for `EventEmitter`
- Replaced “parenthesis” with “parentheses” when it was intended. Special thanks to Richard M. for pointing this out
- Use consistent casing for “JavaScript” everywhere - reported by Damien W.

## Revision 58 - 2017-03-24

Updates the book and code to Angular 4 version `angular-4.0.0`.

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<sup>168</sup><https://www.ng-book.com/2/p/Changelog/>

## Revision 57 - 2017-03-23

Updates the book to Angular 4 version `angular-4.0.0.rc6`.

- Fixes the `SpyObject` in the `music/routing` test.

## Revision 56 - 2017-03-22

Updated the **entire book** to use Angular CLI, the new styleguide for folder layout, and pass linting.

Updated code to `angular-2.4.10`.

This includes updates to: - “Forms” - “Advanced Components” - “HTTP” - “Routing” - “Testing” - “RxJS Intro” - “RxJS Chat” - “Redux Intro” - “Redux Chat” - “NgUpgrade Conversion”

## Revision 55 - 2017-03-17

- Rewrote “Dependency Injection” Chapter and updated it to use `angular-cli` and conform to style guide. Moved it earlier in the book.
- Updated “Built-in Directives” Chapter to use `angular-cli` and conform to style guide
- “Writing your First Angular Web Application”, clarified thanks to input from Zach S., Blair A., Leandro A.

## Revision 54 - 2017-03-10

- Book updated to `angular-2.4.9`
- Changed the use of the word `annotation` to `decorator`, across the board
- “Dependency Injection” added `@Injectable` description and fixed typos.
- Webpack CSS fix in many chapters reported by Daniel W.
- Pointed out where Bootstrap is used: HTTP, Routing, Introduction to Redux with TypeScript, Data Architecture with Observables
- Added dot-notation example as recommended by Luis M. T. L.
- Changed link to `AbstractControl`
- Added link regarding two-way binding as recommended by Tom G.
- “Writing your First Angular 2 Web Application”, clarified as reported by Brother Bill, Terry W., Rob D., Robert S., and Aaron K.
- “Built-in Directives”, clarified as reported by Brother Bill
- “Forms”, typo reported by Robert S. and Andrew B.
- “HTTP”, typo reported by Brother Bill
- “Routing”, clarified as reported by Brother Bill and Daniel F.
- “TypeScript”, bug reported by Willemhein T. and Shane G.
- Changed `EventEmitter`’s deprecated `next()` to `emit()`, reported by Adam Beck

**Revision 53 - 2017-03-01**

- Added a section on deployment to the first chapter
- Updated “How Angular Works” to use `@angular/cli`
- Updated `@angular/cli` to version `1.0.0-rc.0`
- Added a note about how to run the examples in “Built-in Directives”
- Updated “How to Read This Book” with a note about each project’s `README.md`

**Revision 52 - 2017-02-22**

- Added “How to Read This Book”
- Updated `angular-cli` to use `@angular/cli` package
- Clarity updates to the first chapter
- Book updated to `angular-2.4.8`

**Revision 51 - 2017-02-14**

Fixes code formatting bugs in the first chapter

**Revision 50 - 2017-02-10**

Book updated to `angular-2.4.7`

**Revision 49 - 2017-01-18**

Minor fixes

**Revision 48 - 2017-01-13**

Added chapter on building native mobile apps with NativeScript and Angular

**Revision 47 - 2017-01-06**

Fixes missing images in Built-in Directives

**Revision 46 - 2017-01-03**

Book up to date with `angular-2.4.0`

- Added Protractor E2E tests for every project
- “Routing”, Fixed a child route `pathMatch` ambiguity

**Revision 45 - 2016-12-05**

Book up to date with `angular-2.3.0-rc.0`

**Revision 44 - 2016-11-17**

Fixed typos in chapters:

- “Writing your First Angular 2 Web Application”, reported by Mike B., Steve A., Terry W., Alessandro C., Andrew Blair
- “TypeScript”, reported by Kevin D.
- “How Angular Works”, reported by Kevin D. and Jason T.
- “Forms”, reported by Kevin D.
- “HTTP”, reported by Kevin D.
- “Routing”, reported by Kevin D.
- “Advanced Components”, reported by Kevin D.
- “Built-in Directives”, reported by Jason T. and Farooq A.
- “Dependency Injection”, reported by Kevin D.
- “Testing”, reported by Kevin D.
- “Converting an Angular 1 App to Angular 2”, reported by Kevin D.

**Revision 43 - 2016-11-08**

Book up to date with `angular-2.2.0-rc.0`

**Revision 42 - 2016-10-14**

Entire book up to date with `angular-2.1.0` Bonus video content and sample app completed (premium package users)

- Chapter “Built-in Components” renamed to “Built-in Directives”
- Service dependencies made private, reported by Jamie B.

Fixed typos and clarified in chapters:

- “How Angular Works”, reported by kbiesbrock
- “Converting to ng2”, reported by Dilip S.
- “Built-in Directives”, reported by Pieris C.
- “Dependency Injection”, reported by Tim P.
- “Routing”, reported by Kashyap M
- “Advanced Components”, reported by Kashyap M., by Justin B. and many by Németh T.

**Revision 41 - 2016-09-28**

Rewrote the first chapter to use `ng-cli` and the new styleguide.

- “First App” Chapter:
  - Split files into style-guide friendly templates and components
  - Fixed a bunch of typos reported by David S., and Luis H., Jan L., Aaron Spilman
- “HTTP” Chapter - fixed typos - Thanks Jim H.!

**Revision 40 - 2016-09-20**

Entire book up to date with `angular-2.0.0` final!

**Revision 39 - 2016-09-03**

Entire book up to date with `angular-2.0.0-rc.6`

**Revision 38 - 2016-08-29**

Entire book up to date with `angular-2.0.0-rc.5`

- Entire book changes:
  - Upgraded every example to use `NgModules`
  - Upgraded tests to use `TestBuilder`

**Revision 37 - 2016-08-02**

New chapter: Intermediate Redux in Angular 2!

Bugfixes:

- `ts-cli` -> `ts-node` - Thanks Tim. P

**Revision 36 - 2016-07-20**

New chapter: Redux in TypeScript and Angular 2!

- Re-ordered chapters

## Revision 35 - 2016-06-30

Book and code up to date with `angular-2.0.0-rc.4`

- Routing upgraded to new router
- Forms upgraded to new forms library
- Testing chapter updated to match new routing and forms

## Revision 34 - 2016-06-15

Book and code up to date with `angular-2.0.0-rc.2`

Note: still using `router-deprecated` at this time.

## Revision 33 - 2016-05-11

New chapter: Dependency Injection!

## Revision 32 - 2016-05-06

Entire book up to date with `angular-2.0.0-rc.1!`

- Entire book changes:
  - Renamed all imports to match the new packages (see below)
  - Upgrade to typings (removes all tsd references)
  - Directive local variables now use `let` instead of `#`. E.g. `*ngFor="#item in items"` becomes `*ngFor="let item in items"`
  - In projects that use System.js, create an external file for configuration (instead of writing it in the `index.html` `<script>` tags)
- “Testing” Chapter:
  - `injectAsync` has been removed. Instead you use `async` and `inject` together, both come from `@angular/core/testing`
- “Advanced Components” Chapter:
  - In `ngBookRepeat`, when creating a child view manually with `createEmbeddedView`, the context is passed as the second argument (instead of calling `setLocal`).

Details:

Renamed libraries:

- `angular2/core` -> `@angular/core`
- `angular2/compiler` -> `@angular/compiler`

- angular2/common -> @angular/common
- angular2/platform/common -> @angular/common
- angular2/common\_dom -> @angular/common
- angular2/platform/browser -> @angular/platform-browser-dynamic
- angular2/platform/server -> @angular/platform-server
- angular2/testing -> @angular/core/testing
- angular2/upgrade -> @angular/upgrade
- angular2/http -> @angular/http
- angular2/router -> @angular/router
- angular2/platform/testing/browser -> @angular/platform-browser-dynamic/testing

## **Revision 31 - 2016-04-28**

All chapters up to date with angular-2.0.0-beta.16

## **Revision 30 - 2016-04-20**

All chapters up to date with angular-2.0.0-beta.15

## **Revision 29 - 2016-04-08**

All chapters up to date with angular-2.0.0-beta.14

## **Revision 28 - 2016-04-01**

All chapters up to date with angular-2.0.0-beta.13 - (no joke!)

## **Revision 27 - 2016-03-25**

All chapters up to date with angular-2.0.0-beta.12

## **Revision 26 - 2016-03-24**

Advanced Components chapter added!

## **Revision 25 - 2016-03-21**

All chapters up to date with angular-2.0.0-beta.11

Note: angular-2.0.0-beta.10 skipped because the release had a couple of bugs.

## Revision 24 - 2016-03-10

All chapters up to date with angular-2.0.0-beta.9

## Revision 23 - 2016-03-04

All chapters up to date with angular-2.0.0-beta.8

- “Routing” Chapter
  - Fixed a few typos - Németh T.
  - Fixed path to nested routes description - Dante D.
- “First App” Chapter
  - Fixed typos - Luca F.
  - Removed unnecessary import of NgFor - Neufeld M.
- “Forms” Chapter
  - Typos - Miha Z., Németh T.
- “How Angular Works” Chapter
  - Typos - Koen R., Jeremy T., Németh T.
- “Typescript” Chapter
  - Typos - Németh T.
- “Data Architecture with RxJS” Chapter
  - Typos - Németh T.
- “HTTP” Chapter
  - Typos - Németh T.
- “Testing” Chapter
  - Typos - Németh T.

## Revision 22 - 2016-02-24

- r20 & beta.6 introduced some bugs regarding the typescript compiler and new typing files that were required to be included. This revision fixes those bugs
- Added a note about how to deal with the error: `error TS2307: Cannot find module 'angular2/platform/browser'`
- “First App” Chapter - added a tiny note about the typings references
- Updated all non-webpack examples to have a clean npm command as well as change the `tsconfig.json` to include the `app.ts` when appropriate

## Revision 21 - 2016-02-20

All chapters up to date with angular-2.0.0-beta.7



## Revision 20 - 2016-02-11

All chapters up to date with angular-2.0.0-beta.6 (see note below)

- “How Angular Works” Chapter
  - Fixed Typo. Thanks @AndreaMiotto
  - Added missing brackets in attributes on MyComponent - Thanks Németh T.
- “Forms” Chapter
  - Grammar fix - Németh T.
  - Added missing line of code in “Field coloring” - Németh T.
- “RxJs” Chapters
  - Grammar fix - Németh T.
- Note: beta.4 and beta.5 were replaced with beta.6. [See the angular 2 CHANGELOG<sup>169</sup>](#)

## Revision 19 - 2016-02-04

All chapters up to date with angular-2.0.0-beta.3

## Revision 18 - 2016-01-29

All chapters up to date with angular-2.0.0-beta.2

## Revision 17 - 2016-01-28

- Added Testing Chapter

## Revision 16 - 2016-01-14

- Added “How to Convert ng1 App to ng2” Chapter
- All chapters now up to date with angular-2.0.0-beta.1
- All package.json files pinned to specific versions
- “HTTP” Chapter
  - Fixed typo - Thanks Ole S!
- “Built-in Components” Chapter
  - Fixed ngIf typo

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<sup>169</sup><https://github.com/angular/angular/blob/master/CHANGELOG.md#200-beta5-2016-02-10>

## Revision 15 - 2016-01-07

All chapters now up to date with angular-2.0.0-beta.0!

- “RxJS” Chapters
  - Updated to angular-2.0.0-beta.0
- “HTTP” Chapter
  - Updated to angular-2.0.0-beta.0
- Fixed line numbers for code that loads from files to match the line numbers on file
- “How Angular Works” Chapter - Fixed swapped LHS / RHS language. - Thanks, Miroslav J.

## Revision 14 - 2015-12-23

- “First App” Chapter
  - Fixed typo on hello-world @Component - Thanks Matt D.
  - Fixed typescript dependency in hello\_world package.json
- “Forms Chapter”
  - Updated to angular-2.0.0-beta.0
- “How Angular Works Chapter”
  - Significant rewrite to make it clearer
  - Updated to angular-2.0.0-beta.0
- “Routing Chapter”
  - Significant rewrite to make it clearer
  - Updated to angular-2.0.0-beta.0

## Revision 13 - 2015-12-17

Angular 2 beta.0 is out!

- “First App” Chapter
  - Updated reddit app to angular-2.0.0-beta.0
  - Updated hello\_world app to angular-2.0.0-beta.0
  - Added [Semantic UI](http://semantic-ui.com)<sup>170</sup> styles
- “Built-in Components” Chapter
  - Updated built-in directives sample apps to angular-2.0.0-beta.0
  - Added Semantic UI

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<sup>170</sup><http://semantic-ui.com>

## Revision 12 - 2015-11-16

- “Routing” Chapter
  - Fixed ROUTER\_DIRECTIVES typo - Wayne R.
- “First App” Chapter
  - Updated example to angular-2.0.0-alpha-46
  - Fixed some bolding around NgFor to clarify the code example - Henrique M.
  - Fixed Duplicate identifier 'Promise'. errors due to a bad tsconfig.json in angular2-reddit-base/ - Todd F.
  - Fixed language typos caught by Steffen G.
- “Forms” Chapter
  - \* Updated example to angular-2.0.0-alpha-46
    - Fixes the method of subscribing to Observables in the “Form with Events” section
  - \* Fixed a few typos and language issues - Christopher C., Travis P.
- “TypeScript” Chapter
  - \* Fixed some unclear language about enum - Frede H.
- “Built-in Components” Chapter
  - \* Fixed a typo where [class] needed to be [ng-class] - Neal B.
- “How Angular Works” Chapter
  - \* Fixed language typos - Henrique M.

## Revision 11 - 2015-11-09

- Fixed explanation of TypeScript benefits - Thanks Don H!
- Fixed tons of typos found by Wayne R - Thanks Wayne!
- “How Angular Works” Chapter
  - Fixed typos - Jegor U.
  - Converted a component to use inputs/outputs - Jegor U.
  - Fixed number to myNumber typo - Wayne R.
- “Built-in Components” Chapter
  - Fixed language typos - Wayne R., Jek C., Jegor U.
  - Added a tip-box explaining object keys with dashes - Wayne R.
  - Use controller view value for ng-style color instead of the form field value - Wayne R.
- “Forms” Chapter
  - Fixed language typos - Wayne R., Jegor U.
- “Data Architecture in Angular 2”
  - Was accidentally part of “Forms” and is now promoted to an introductory mini-chapter - Wayne R.
- “RxJS Pt 1.” Chapter
  - Fixed language typos - Wayne R.

- “RxJS Pt 2.” Chapter
  - Fixed Unicode problem - Birk S.
  - Clarified language around `combineLatest` return value - Birk S.
- “Typescript” Chapter
  - Fixed language typo - Travis P., Don H.
- “Routing” Chapter
  - Fixed language typos - Jegor U., Birk S.
- “First App” Chapter
  - Fixed link to `ng_for` - Mickey V.
- “HTTP” Chapter
  - Fixed language typos - Birk S.
  - Clarified `ElementRef` role in `YouTubeSearchComponent`
  - Fixed link to `RequestOptions` - Birk S.

## Revision 10 - 2015-10-30

- Upgraded Writing your First Angular2 Web Application chapter to `angular-2.0.0-alpha.44`
- Upgraded Routing chapter to `angular-2.0.0-alpha.44`
- Fixed ‘pages#about’ on the rails route example. - Thanks Rob Y!

## Revision 9 - 2015-10-15

- Added Routing Chapter

## Revision 8 - 2015-10-08

- Upgraded chapters 1-5 to `angular-2.0.0-alpha.39`
- `properties` and `events` renamed to `inputs` and `outputs`
- Fixed an issue in the First App chapter that said `#newtitle` bound to the value of the input (it’s really binding to the Control object) - Danny L
- `CSSClass` renamed to `NgClass`
- `ng-non-bindable` is now built-in so you don’t need to inject it as a directive
- Updated the forms chapter as there were several changes to the forms API
- Fixed `NgFor` source url in First App chapter - Frede H.

## Revision 7 - 2015-09-23

- Added HTTP Chapter
- Fixed `For` -> `NgFor` typo - Sanjay S.

## Revision 6 - 2015-08-28

- Added RxJS Chapter Data Architecture with Observables - Part 1 : Services
- Added RxJS Chapter Data Architecture with Observables - Part 2 : View Components

## Revision 5 - 2015-08-01

- Finished built-in components chapter

## Revision 4 - 2015-07-30

- Added built-in components chapter draft
- Added a warning about linewrapping of long URLs - Thanks Kevin B!
- Explained how annotations are bound to components on the First App chapter - thanks Richard M. and others
- Copy typo fixes - thanks Richard M.!
- Fixed TypeScript using integer instead of number - Richard M. and Roel V.
- Fixed “var nate =” listings require a comma to be a valid JS object - thanks Roel V.
- Renamed a few “For” directive mentions to “NgFor” - thanks Richard M.
- Fixed type on “RedditArticle” - thanks Richard M.
- Explained how annotations are bound to components on the First App chapter (thanks Richard M. and others)
- Typos and grammar improvements on First App chapter (thanks Kevin B)
- Typos and code improvements on How Angular Works (thanks Roel V.)

## Revision 3 - 2015-07-21

- Added forms chapter

## Revision 2 - 2015-07-15

- Updated For directive to NgFor accross all chapters and examples (templates changed from `*for=` to `*ng-for=` as well)
- Changed the suggested static web server from `http-server` to `live-server` so the execution command is valid both in OSX/Linux and Windows
- Changed the `@Component`'s `properties` property to match the latest AngularJS 2 format
- Updated `angular2.dev.js` bundle to latest version for all examples
- Updated typings folder with latest version for all examples

## Revision 1 - 2015-07-01

Initial version of the book