What's Angular and the New Features of Angular 9

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This is an introduction to

Angular with answers to common questions. We'll see what Angular is, the various versions of Angular and the new features of version 9

What is Angular 9?

[Angular](#) 9 is the latest version of Angular — a framework for building web and mobile client-side apps with JavaScript or more precisely a super-language of JavaScript called TypeScript built by Microsoft.

Angular 9 New Features

Performance and file size are big downsides of Angular vs. React, Vue or Svelte.js.
One major problem of the previous versions of Angular is the large size of the final bundle which impacts the download time and as a result the overall performance of the application.

Angular 9 New Features

Angular 9 brings a few new features most importantly, the Ivy compiler which provides a huge boost in performance.
In nutshell these are the new features of Angular 9:

- Smaller bundles and better performance,
- The Ivy compiler: The default use of the Ivy compiler is the most important feature of Angular 9, Ivy is what actually designed to solve the major problems of Angular i.e the performance and large file size.
- Selector-less bindings support for Angular Ivy,
- Internationalization support for Angular Ivy.
- Support for TypeScript Diagnostics Format
- Support for more scopes in providedIn
- A New Type-Safe TestBed.inject() Method Instead of TestBed.get()

For more details check the link below 👇 👇 👇

Angular Versions

In Software Development, apps are versioned by following Semantic Versioning, which is simply a convention that everyone starts to follow.

Angular also follows semantic versioning which has a Major.Minor.Patch format. We increment a specific section when there is a major, minor or patch release

Angular Versions

Major Release — The Major part is incremented by one if the new features break backward compatibility,
Minor Release — The Minor part is incremented by one if the new features don't break any existing features,
Patch Release — The Minor part is incremented by one 1 for releasing patch fixes.

The Angular team releases a new major version every six months and the last version, as of this time, is Angular 8

9 Angular Versions

Name	Release date	Description
Angular 2	14/09/2016	First version of Angular
Angular 4	23/03/2017	Version 3 skipped
Angular 5	11/11/2017	Version 5
Angular 6	03/05/2018	Version 6
Angular 7	18/10/2018	Version 7
Angular 8	May 28, 2019	Version 8

Is Angular Frontend or Backend?

Angular is a front-end framework. You can't use it to build a backend app. But if you already master the Angular concepts and want to be able to build backend apps, you may want to check Nest.js which is a backend framework based on Node and TypeScript and inspired by Angular

Does Google Use Angular?

Angular is built by Google and is being used internally for building most public-facing applications and sites such as Google Cloud Platform and AdWords, as well as many internal tools.

Thanks for watching!

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