

# Angular vs Angularjs

AngularJS (or Angular 1.x) and Angular (versions 2 and above) are both Google-developed front-end frameworks, but **Angular is a complete rewrite of AngularJS**. The key differences lie in their fundamental architecture, the language they use, and their performance capabilities.


Feature	AngularJS	Angular
Language	JavaScript	TypeScript (a superset of JavaScript)
Architecture	MVC (Model-View-Controller)	Component-based architecture
Performance	Slower (due to the "digest cycle" for change detection)	Faster (uses a more efficient unidirectional data flow and Ahead-of-Time (AOT) compilation)
Data Binding	Two-way data binding by default	One-way data binding primarily, with explicit syntax for two-way binding
Mobile Support	Limited; not optimized for mobile devices	Built with mobile support, including the ability to build native mobile apps
Tooling	Relied on third-party tools (e.g., WebStorm)	Includes an official powerful CLI (Command Line Interface) for scaffolding, building, and testing
Support Status	End-of-Life (reached EOL in December 2021, though third-party support is available)	Actively maintained with regular updates and long-term support

## Summary of Differences

**Fundamentally Different:** Angular is not an incremental upgrade to AngularJS; it is an entirely new framework built to address the limitations of its predecessor and align with modern web development practices.

**Modern Language:** The shift from JavaScript to TypeScript in Angular offers benefits like static typing, which helps catch errors during development and improves code maintainability and scalability for large applications.

**Improved Performance:** Angular's component-based architecture and efficient data flow provide significantly better performance than AngularJS's MVC architecture and digest cycle mechanism.

**Better Tooling:** The Angular CLI streamlines the development process, making it easier to manage large projects, run tests, and deploy applications, a feature lacking in AngularJS. 

For any new projects, it is highly recommended to use the latest version of **Angular**, while AngularJS is primarily relevant for maintaining legacy systems

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