* What is Angular:
* The Angular is the newest form of the Angular Js , develop by Google, which is an open source front-end development platform used for building mobile and desktop web applications.
* The Angular is rewritten by the same team that build Angular JS.
* Angular is a platform and framework for building client side applications in HTML and Typescript.
* Angular is itself written in Typescript.
* Angular 8 was released in May 28 , 2019.
* Develop by: Google.
* Front end/Client Side Javascript framework.
* What You Should Already Know:
* Before you start studying Angular, you must have basic knowledge of HTML, Document Object Model (DOM), CSS, JavaScript, Typescript.
* It also requires the basic concept of OOPs.
* No Angular 1 or Angular 2 or Angular 4, Angular 5, Angular 6 or Angular 7 knowledge is required.
* Angular Versions:
* Google has released 7 version of angular.
* Angular JS – 2010
* Angular 2 – 2016
* Angular 4 – 2017
* Angular 5 – November 2017
* Angular 6 – March 2018
* Angular 7 – Oct 2018
* Google has also released the angular 8 on May 28,2019.
* We recognize that you need stability from the angular framework . Stability ensures that reusable components and libraries , tutorials, tools , and learned practices don’t become obsolete unexpectedly.
* Angular version numbers indicate the level of changes that introduced by the release.
* This use of semantic versioning helps you understand the potential impact of updating to a new version.
* Angular Version number have three parts:
* [1.MaJor, 2.Minor, 3.Patch].
* For Example, version 5.2.9 indicates major version 5, minor version 2, patch version 9.
* The version number is incremented based on the level of change included in the release.
* **Major** : releases contain significant new features, some but minimal developer assistance is expected during the update. When updating to a new major release, you may need to update scripts , re-factor code, run additional tests, and learn new APIs.
* **Minor**: releases contain new smaller features, Minor releases are fully backward-compatible; no developer assistance is expected during update, but you can optionally modify your apps and libraries to begin new APIs, features, and capabilities that were added in the release. We update peer dependencies in minor versions by expanding the supported versions, but we don’t require projects to update these dependencies.
* **Patch**: releases are low risk, bug fix releases, no developer assistance is update.
* Release Schedule:

Below table contains our current target release dates for the next two major versions of Angular.

|  |  |  |
| --- | --- | --- |
| DATE | STABLE RELEASE | COMPATIBILITY |
| OCT/NOV 2019 | 9.0.0 | ^8.0.0 |
| MAY 2020 | 10.0.0 | ^9.0.0 |

* Support Policy:
* All of our major releases are supported for 18 months.
* 6 months of active support, during which regularity-scheduled updates and patches are released.
* 12 months of long-term support(LTS), during which only critical fixes and security patches are released.
* The following table provides the status for angular versions under support.
* Angular Versions ^4.0.0 and ^5.0.0 are no longer under support.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| VERSION | STATUS | RELEASED | ACTIVE ENDS | LTS ENDS |
| ^8.0.0 | Active | May 28, 2019 | Nov 28, 2019 | Nov 28,2020 |
| ^7.0.0 | LTS | Oct 18, 2018 | Apr 18, 2019 | Apr 18,2020 |
| ^6.0.0 | LTS | May 3, 2018 | Nov 3, 2018 | May 3,2019 |

* Features :
* Speed and Performance
* Smaller application
* Modular application
* Cross-platform (Web, Mobile, Desktop)
* Single Page Application (SPA).
* Restful API
* Use Typescript.