



ANGULAR
ARCHITECTS
INSIDE KNOWLEDGE

Angular Testing

1 - Introduction

Agenda

1. Introduction
2. Unit Testing
 - a. Basic
 - b. Advanced
 - c. RxJS
3. Component & Integration Tests
 - a. Functional
 - i. Basic
 - ii. Advanced
 - b. Visual Component Tests
4. End-to-End Tests



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Brenan Keller
@brenankeller

A QA engineer walks into a bar. Orders a beer. Orders 0 beers. Orders 99999999999 beers. Orders a lizard. Orders -1 beers. Orders a ueicbksjdhd.



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Angular Test Pyramid



End-to-End (E2E) Tests

Integration &
Component Tests

Unit Tests



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The "Official" Version

End-to-End (E2E) Tests

Integration &
Component Tests

Unit Tests

Deprecated since Angular 12



Protractor

end to end testing for AngularJS



Jasmine



KARMA



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The "Better" Version



End-to-End (E2E) Tests

Integration &
Component Tests

Unit Tests

The Cypress logo, consisting of the word 'cypress' in a bold, lowercase, sans-serif font, with the 'c' in a dark circle.



The Jest logo, featuring a red icon of a crown with a 'W' inside, followed by the word 'Jest' in a red, sans-serif font.

Jest vs. Jasmine/Karma

- Jest is based on Jasmine
- Does not require a running browser (CI)
- Parallel Tests
- Watcher Process (Failed Tests)
- Incremental
- Snapshots
- Far more usage for Jest

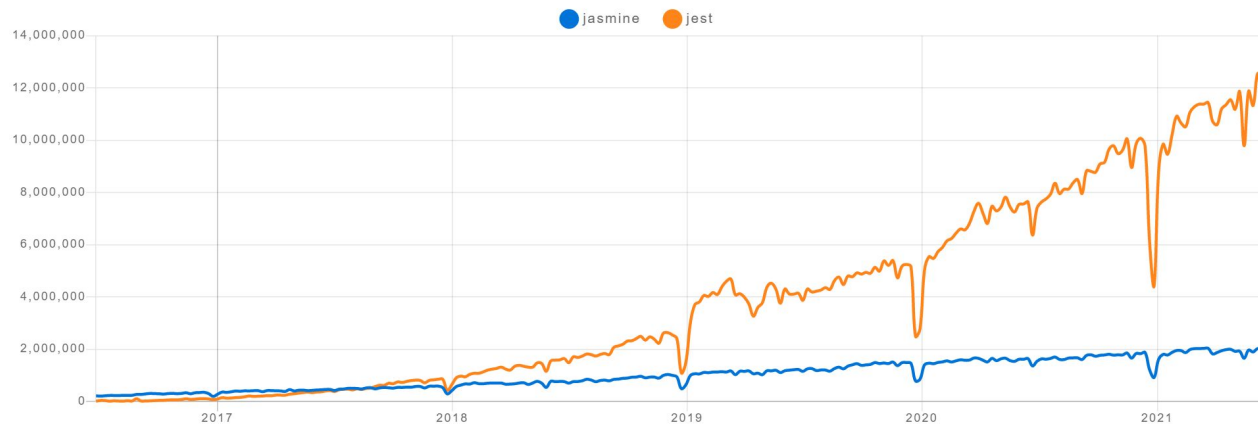


jasmine vs jest

Enter an npm package...

jasmine x jest x + mocha + qunit + ava + chai + expect

Downloads in past 5 Years ▾



Stats

	stars 🌟	issues ⚠️	updated ✖️	created 🕒	size 📦
 jasmine	345	9	Jun 21, 2021	Feb 26, 2014	minzipped size 37.0 KB
 jest	35,562	1,510	Jun 23, 2021	Dec 10, 2013	bundlephobia timeout

