

## What is Continuous Delivery?

Continuous delivery (CD) is the practice of keeping your software releasable at all times through automation of quality, security and deployment processes across the software delivery lifecycle. Continuously performing security, non-functional and functional tests in product-like or production environments, the software is progressively validated as being fit for release.

Continuous delivery empowers businesses to increase experimentation and innovation, reduce costs and differentiate themselves in a competitive marketplace. For developers, CD eliminates mundane and repetitive tasks, increases agility and provides tighter feedback loops. These frequent code deployments provide IT teams with additional opportunities to identify and fix common solutions.

Steps: Realease → Deploy → Testing → Monitoring (hacer imagen de esta parte, ya que no he encontrado ninguna que me guste por la web)

### Deploy Software

Urban (code)

<https://www.urbancode.com/>



Ansible

<https://www.ansible.com/>



ANSIBLE

## Testing (different types of tools by type of test)

### Selenium

Is a tool that we can use to automate browsers Web. It's like an API for browsers, so we can make them do what we want (for example, go to google and search for something). And thanks to this, it can be used to automate our tests for web applications. Selenium will test the application in the same way in that any user would.

URL: <https://www.selenium.dev/>



### Jmeter

It is an independent tool to carry out functional and stress tests on a server Web, in this url we can find documentation about it

URL: <http://jmeter.apache.org/>



### mockito

When we talk about mocking, we are talking about applying an insulation technique to a specific software component to be able to carry out a unit test in the most isolated and unit possible, avoiding third dependencies that may alter or interfere with the result end of test

URL: <https://site.mockito.org/>



## Jasmine

Jasmine is a framework for unit testing JavaScript. It's open source and its popularity among developers means that it has a strong community and documentation available when you get stuck.

Angular developers especially favor Jasmine because Jasmine is included natively in Angular projects.

URL: <https://jasmine.github.io/>

