

DotNet 2021

ONLINE TECH CONFERENCE

22nd June 2021

#DotNet2021

Perdiendo el miedo a las pruebas e2e con Cypress

www.dotnet2021.com



DotNet 2021

ORGANIZATION

plain
concepts 

IN COOPERATION WITH

FUNDACIÓN
GOMAESPUMA

"Educando con una sonrisa."

SPONSORS

 Microsoft

DevsDNA 

 intelequia

 My Public
Inbox

#DotNet2021



Asun Sánchez

Software Engineer

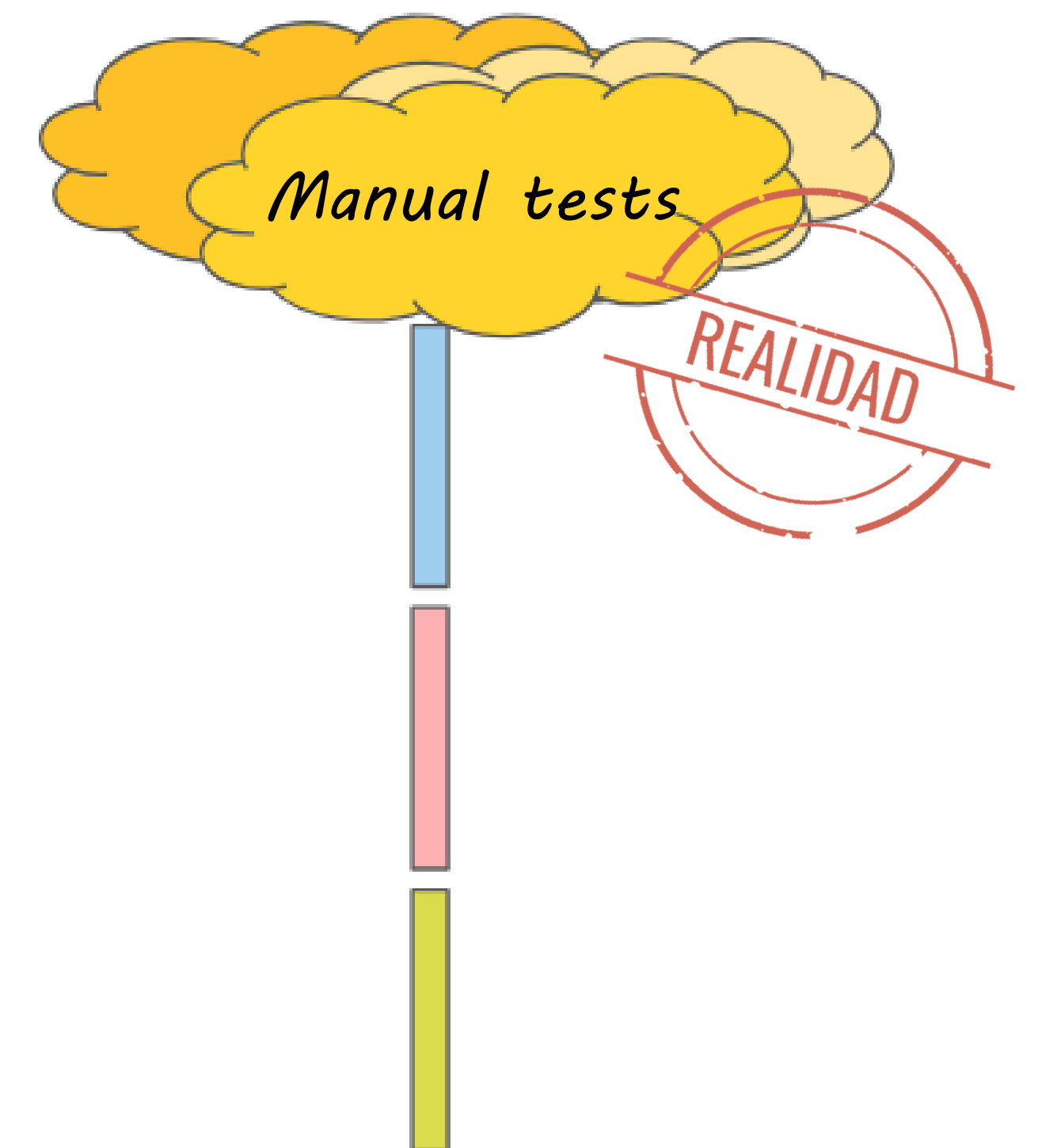
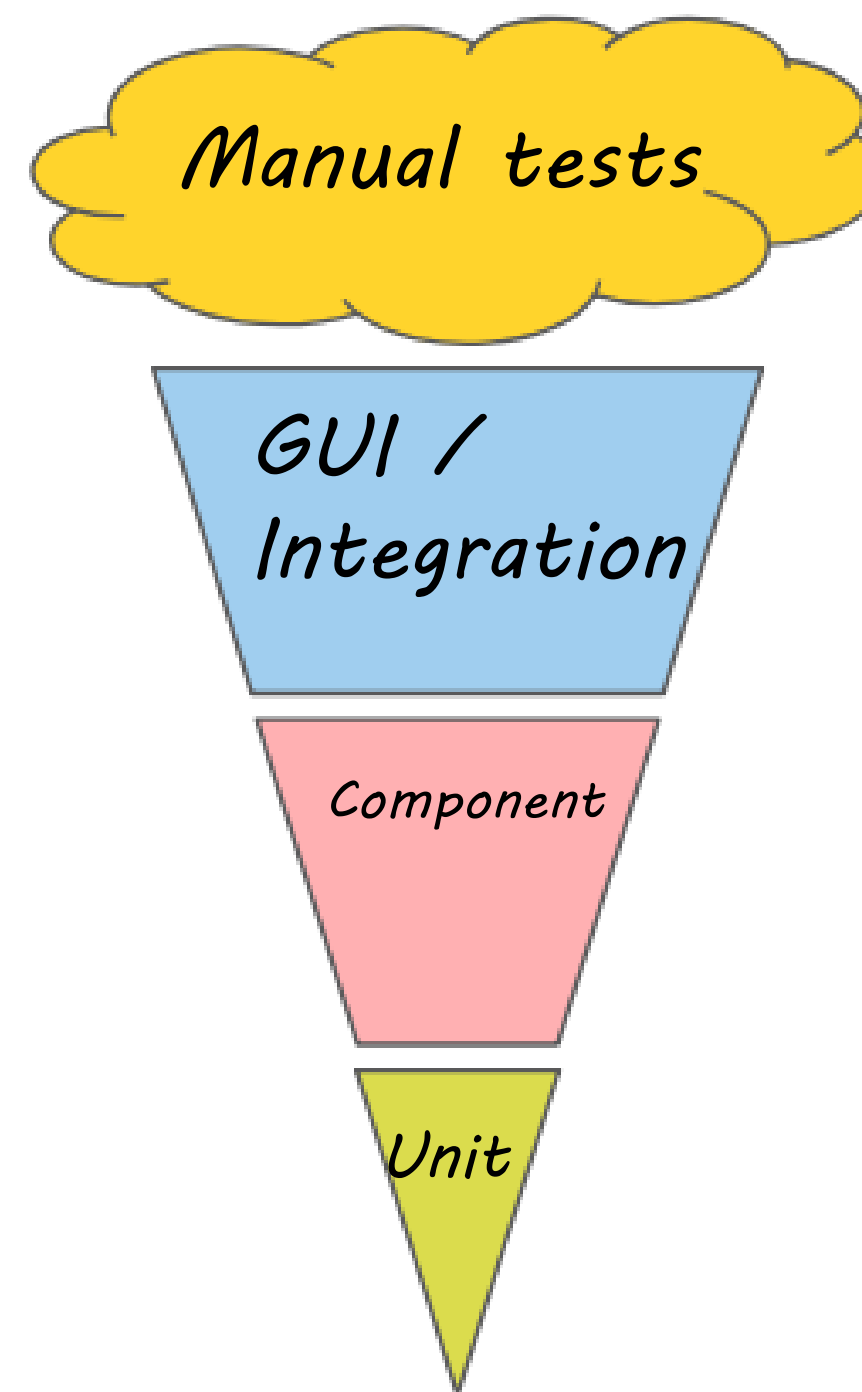
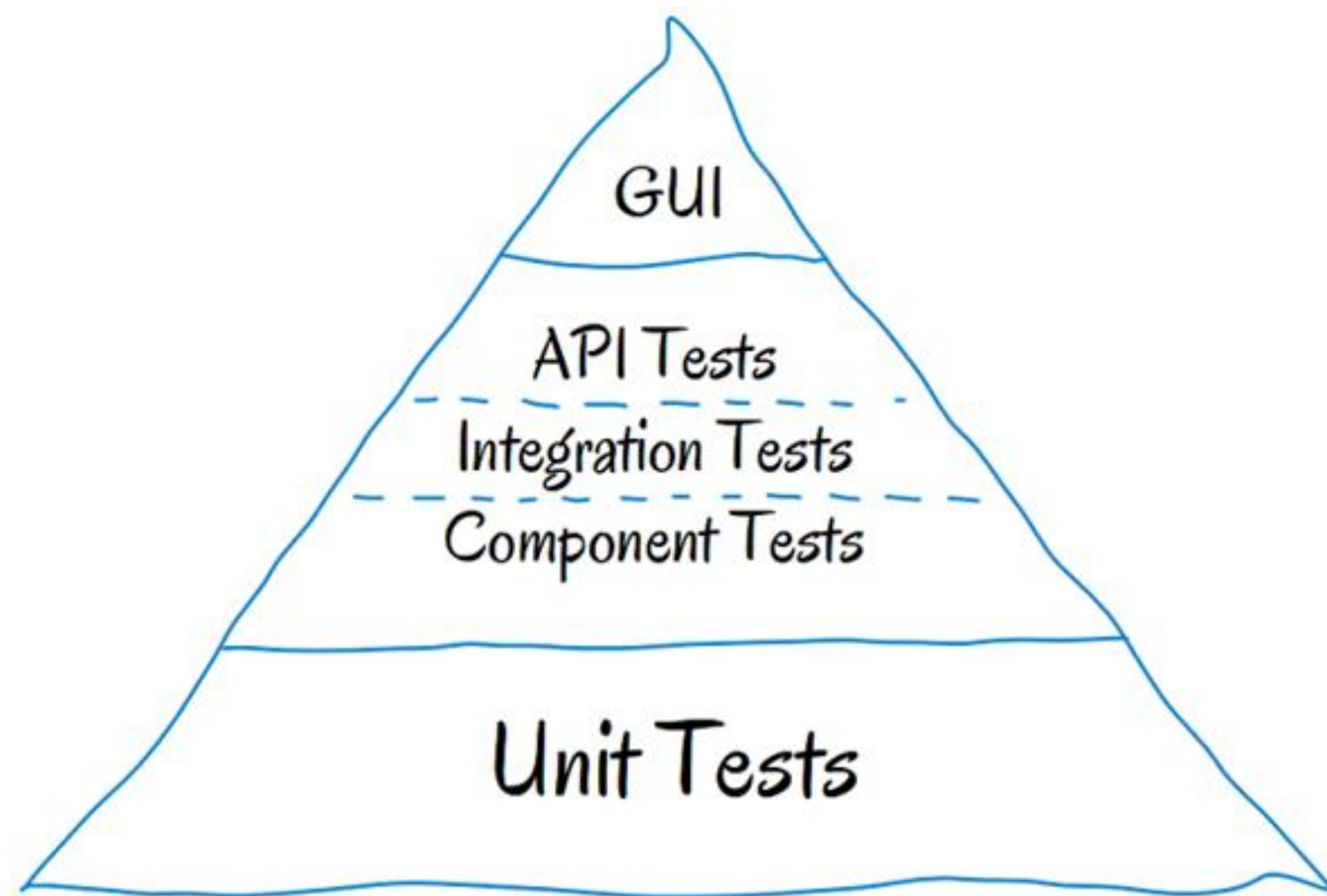
@asunsanlop
aslopez@plainconcepts.com



Iván Reinoso

Frontend Technical Lead

@ivanirega
ireinoso@plainconcepts.com



THE FOUR TYPES OF TESTS

End to End

A helper robot that behaves like a user to click around the app and verify that it functions correctly.

Sometimes called "functional testing" or e2e.

Integration

Verify that several units work together in harmony.

Unit

Verify that individual, isolated parts work as expected.

Static

Catch typos and type errors as you write the code.





“Fast, easy and reliable testing for anything that runs in a browser.”

Front-End, browser testing

Todo tipo de tests, enfocado en e2e testing

IDE entorno para ejecución y debug

Integración con CI/CD con headless

Herramienta Framework agnostic

The screenshot displays the Cypress test runner interface on the left and the Cypress documentation on the right. The test runner shows a test suite named 'Actions' with several actions listed, including `.type()`, `.focus()`, `.blur()`, `.clear()`, `.submit()`, `.click()`, `.dblclick()`, `.rightclick()`, `.check()`, `.unchecked()`, `.select()`, `.scrollIntoView()`, `.trigger()`, and `cy.scrollTo()`. The documentation on the right provides examples of how to use the `.type()` command, such as typing a fake email address and using special character sequences like `{leftarrow}{rightarrow}{uparrow}{downarrow}` and key modifiers like `{alt}{option}`, `{ctrl}{control}`, and `{meta}{command}`.

Instalación y configuración



```
npm install cypress --save-dev
```

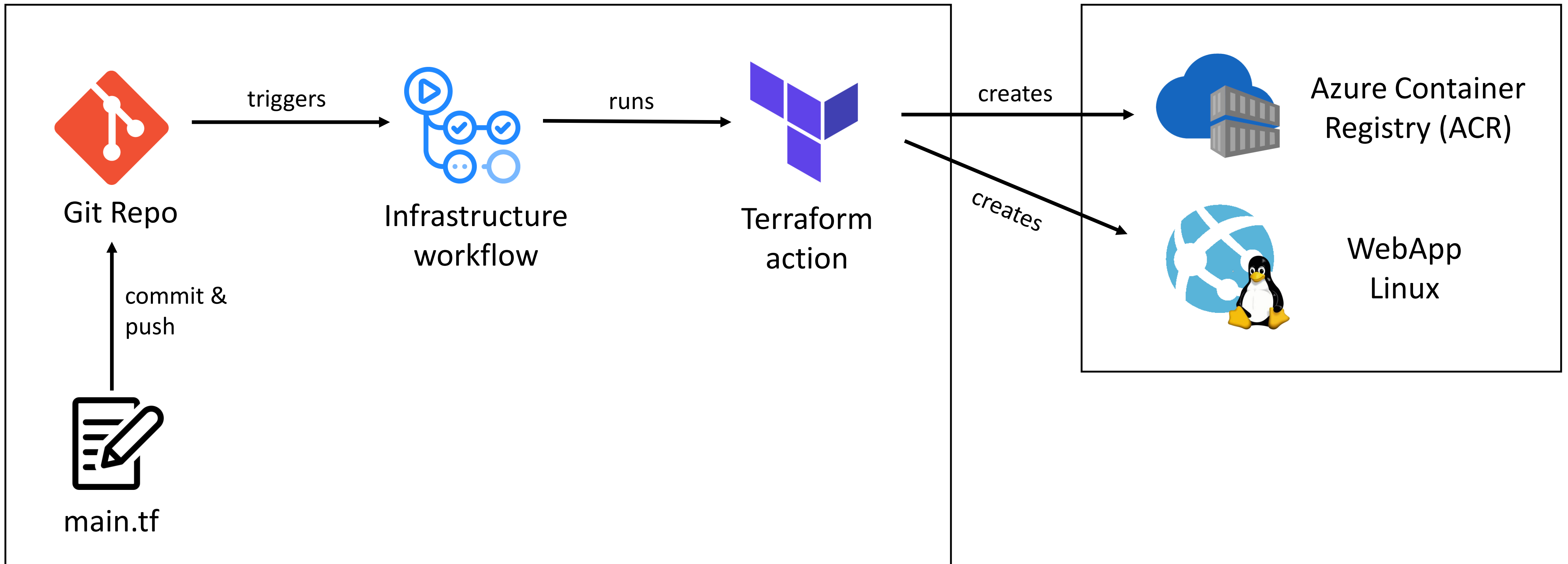
```
npm run cypress:open
```

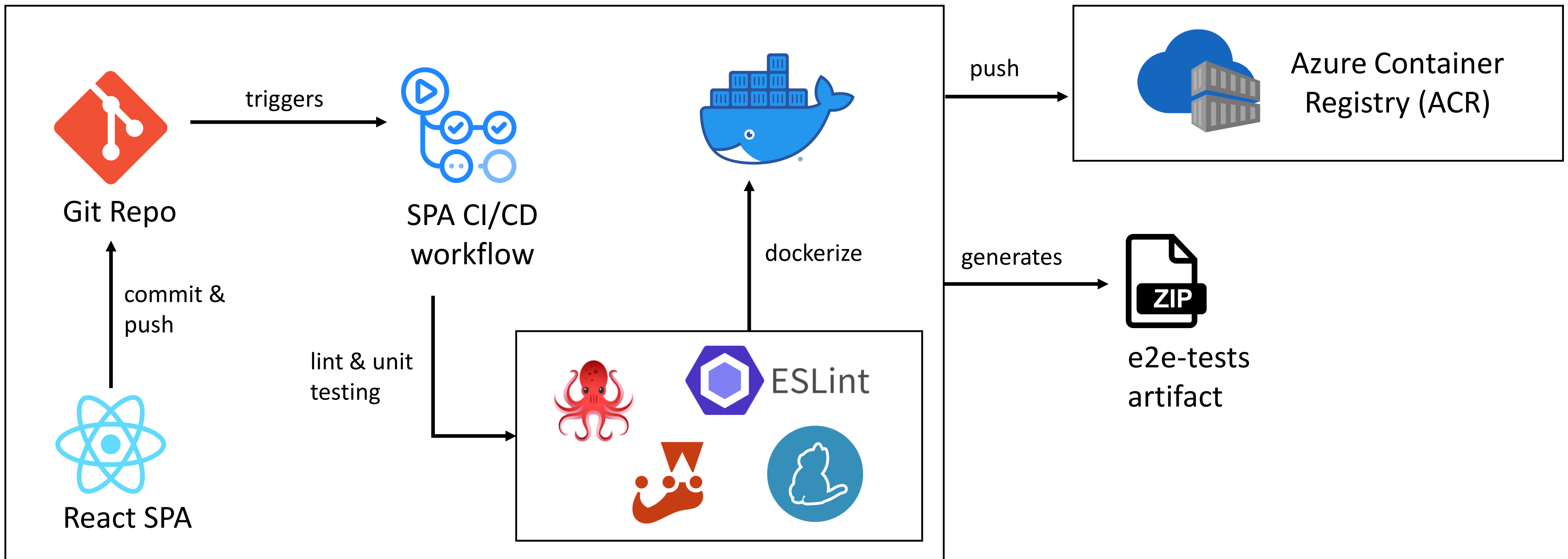
```
yarn add cypress --dev
```

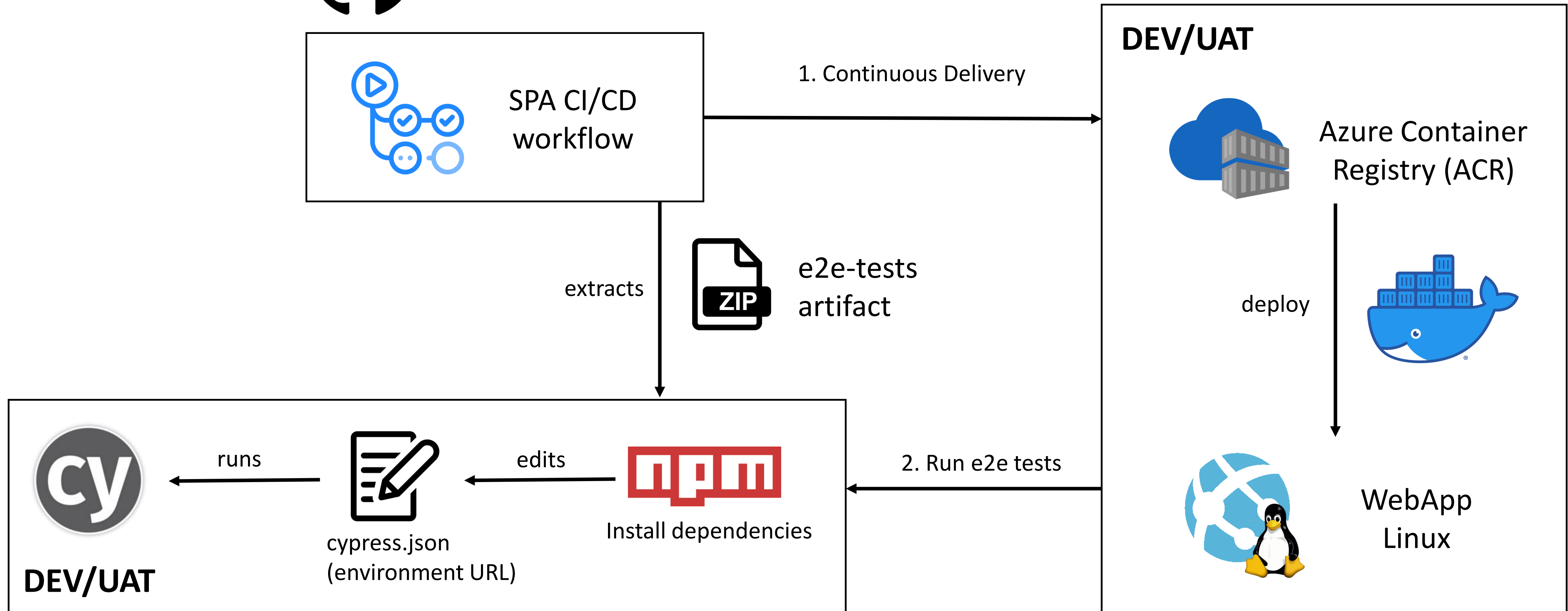
```
yarn run cypress:open
```

+ typescript? .tsconfig.json:

```
{
  "compilerOptions": {
    "target": "es5",
    "lib": [
      "es5",
      "dom"
    ],
    "types": [
      "cypress"
    ]
  },
  "include": [
    "**/*.ts"
  ]
}
```







Recapitulando...

Recordamos **por qué** hacer testing

Utilizamos sólo dos comandos para **instalación y configuración** de cypress

Empezamos con tests e2e: **visitar**, recuperar elementos página, **interactuar**

Integración continua con nuestros tests



Siguientes pasos

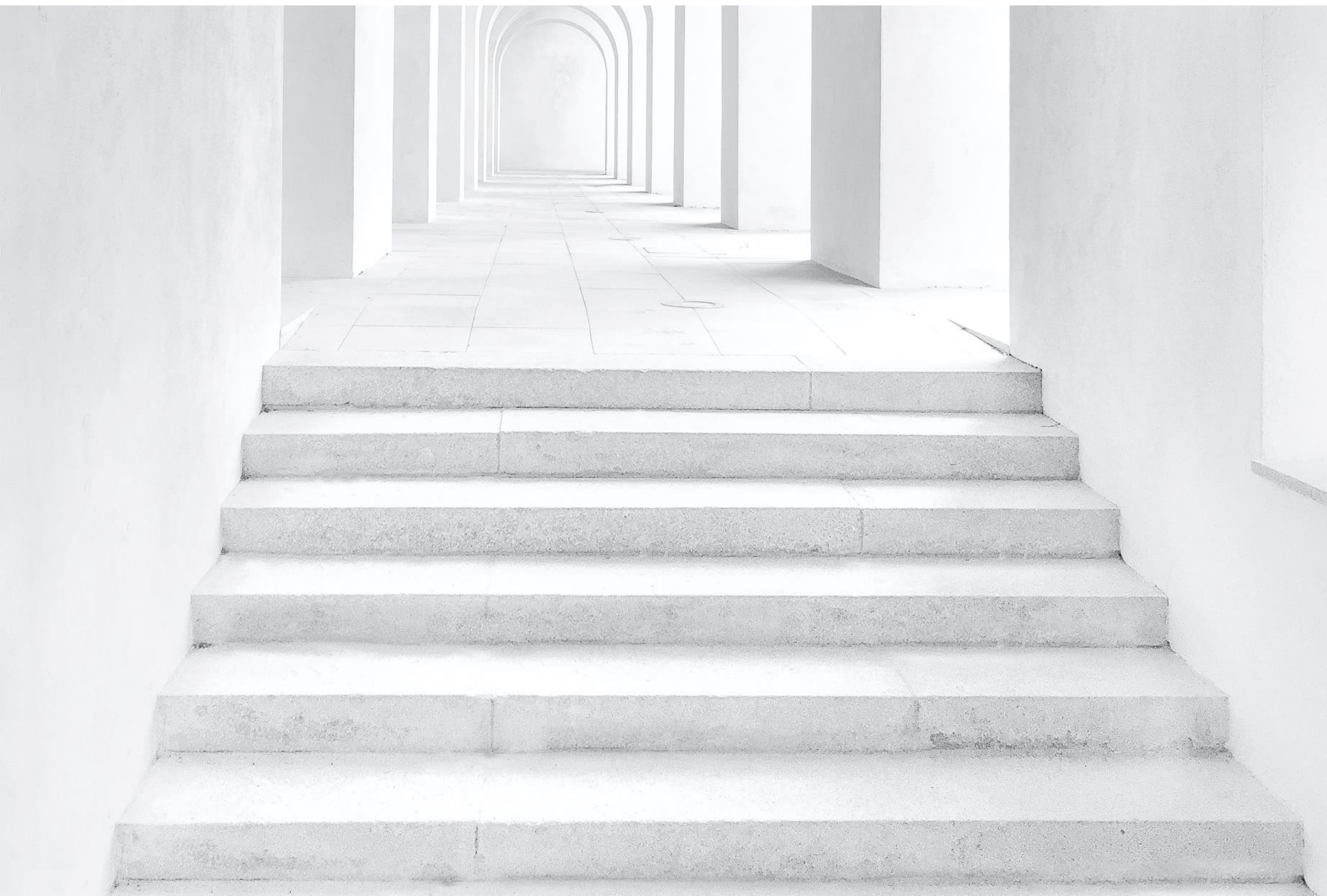
Doc. oficial: <https://www.cypress.io/>

Incluir **component testing**

Cubrir **mayor % funcionalidad**

Siempre probar **UAT o DEV**, nunca PRO

Investigar aspectos avanzados: login (ROPC), variables de entorno, commands, testing strategies...



DotNet 2021

ONLINE TECH CONFERENCE

www.dotnet2021.com

#DotNet2021

Thanks and ... See you soon!

Thanks also to the sponsors. Without whom this would not have been posible.

plain
concepts

FUNDACIÓN
GOMAESPUMA

"Educando con una sonrisa."

Microsoft

intelequia



My Public
Inbox

DevsDNA™