

1 Clonamos el repositorio de github

```
Usuario@DESKTOP-560EG10 MINGW64 ~/Documents/DAW_SEMI/2DAW/Despliegue/UD3_GithubActions/practica_github_actions/repositorio_practica_eric (main)
$ git clone https://github.com/antonigimenez/nodejs-blog-practica.git
Cloning into 'nodejs-blog-practica'...
remote: Enumerating objects: 43, done.
remote: Counting objects: 100% (7/7), done.
remote: Compressing objects: 100% (7/7), done.
remote: Total 43 (delta 1), reused 0 (delta 0), pack-reused 36 (from 1)
Receiving objects: 100% (43/43), 178.16 KiB | 1.46 MiB/s, done.
Resolving deltas: 100% (1/1), done.

Usuario@DESKTOP-560EG10 MINGW64 ~/Documents/DAW_SEMI/2DAW/Despliegue/UD3_GithubActions/practica_github_actions/repositorio_practica_eric (main)
$ ls
nodejs-blog-practica/
```

2. Creamos el nuevo repositorio en github y subimos el código al repositorio

```
Usuario@DESKTOP-560EG10 MINGW64 ~/Documents/DAW_SEMI/2DAW/Despliegue/UD3_GithubActions/practica_github_actions/repositorio_practica_eric/nodejs-blog-practica (main)
$ ls
README.md cypress/ cypress.json data/ helpers/ jsconfig.json package-lock.json package.json pages/ public/ vercel.json
Usuario@DESKTOP-560EG10 MINGW64 ~/Documents/DAW_SEMI/2DAW/Despliegue/UD3_GithubActions/practica_github_actions/repositorio_practica_eric/nodejs-blog-practica (main)
$ git remote set-url origin https://github.com/Eric0298/practica_github_actions.git

Usuario@DESKTOP-560EG10 MINGW64 ~/Documents/DAW_SEMI/2DAW/Despliegue/UD3_GithubActions/practica_github_actions/repositorio_practica_eric/nodejs-blog-practica (main)
$ git push -u origin main
Enumerating objects: 43, done.
Counting objects: 100% (43/43), done.
Delta compression using up to 12 threads
Compressing objects: 100% (30/30), done.
Writing objects: 100% (43/43), 178.16 KiB | 178.16 MiB/s, done.
Total 43 (delta 1), reused 43 (delta 1), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), done.
To https://github.com/Eric0298/practica_github_actions.git
 * [new branch]      main -> main
Branch 'main' set up to track 'origin/main'.

Usuario@DESKTOP-560EG10 MINGW64 ~/Documents/DAW_SEMI/2DAW/Despliegue/UD3_GithubActions/practica_github_actions/repositorio_practica_eric/nodejs-blog-practica (main)
$ |
```

2.2 Creamos el proyecto node en la raíz del proyecto

```
Usuario@DESKTOP-560EG10 MINGW64 ~/Documents/DAW_SEMI/2DAW/Despliegue/UD3_GithubActions/practica_github_actions/repositorio_practica_eric/nodejs-blog-practica (main)
$ npm install

added 621 packages, and audited 622 packages in 42s

102 packages are looking for funding
  run `npm fund` for details

21 vulnerabilities (1 low, 7 moderate, 10 high, 3 critical)

To address issues that do not require attention, run:
  npm audit fix

To address all issues (including breaking changes), run:
  npm audit fix --force

Run `npm audit` for details.

npm notice
npm notice New major version of npm available! 10.8.3 -> 11.0.0
npm notice Changelog: https://github.com/npm/cli/releases/tag/v11.0.0
npm notice To update run: npm install -g npm@11.0.0
npm notice
```

2.3 Ejecutamos el linter y corregimos los fallos

```
Usuario@DESKTOP-560EG10 MINGW64 ~/Documents/DAW_SEMI/2DAW/Despliegue/UD3_GithubActions/practica_github_actions/repositorio_practica_eric/nodejs-blog-practica (main)
$ npm run lint

> lint
> next lint

Browserslist: caniuse-lite is outdated. Please run:
  npx browserslist@latest --update-db

why you should do it regularly:
https://github.com/browserslist/browserslist#browsers-data-updating
Attention: Next.js now collects completely anonymous telemetry regarding usage.
This information is used to shape Next.js' roadmap and prioritize features.
You can learn more, including how to opt-out if you'd not like to participate in this anonymous program, by visiting the following URL:
https://nextjs.org/telemetry

./pages/api/users/index.js
 7:10 Error: Strings must use doublequote. quotes
 9:10 Error: Strings must use doublequote. quotes
11:5 Error: Default clause should be the last clause. default-case-last
13:10 Error: Strings must use doublequote. quotes

./pages/api/users/[id].js
 7:10 Error: Strings must use doublequote. quotes
 9:10 Error: Strings must use doublequote. quotes
18:5 Error: Unexpected var, use let or const instead. no-var

info - Need to disable some ESLint rules? Learn more here: https://nextjs.org/docs/basic-features/eslint#disabling-rules

Usuario@DESKTOP-560EG10 MINGW64 ~/Documents/DAW_SEMI/2DAW/Despliegue/UD3_GithubActions/practica_github_actions/repositorio_practica_eric/nodejs-blog-practica (main)
$ npx browserslist@latest --update-db
npm warn exec The following package was not found and will be installed: browserslist@4.24.3
The --update-db command is deprecated.
Please use npx update-browserslist-db@latest instead.
Browserslist DB update will still be made.
Latest version: 1.0.30001690
Installed version: 1.0.30001285
Removing old caniuse-lite from lock file
Installing new caniuse-lite version
$ npm install caniuse-lite
Cleaning package.json dependencies from caniuse-lite
$ npm uninstall caniuse-lite
caniuse-lite has been successfully updated

No target browser changes

Usuario@DESKTOP-560EG10 MINGW64 ~/Documents/DAW_SEMI/2DAW/Despliegue/UD3_GithubActions/practica_github_actions/repositorio_practica_eric/nodejs-blog-practica (main)
$ npm run lint

> lint
> next lint

✓ No ESLint warnings or errors
```

En este caso corregimos el uso de comillas simples a dobles en el index.js y en [id].js y la decalacion de una variable var a const en [id].js de la carpeta pages/api/users además de la estructura del switch del index.js

2.5 Modificamos el package.json y añadimos la línea de código `"cypress:run": "cypress run"`, iniciamos el servidor y ejecutamos el cypress

```
Usuario@DESKTOP-560EG10 MINGW64 ~/Documents/DAW SEMI/2DAW/Despliegue/UD3_GithubActions/practica_github_actions/repositorio_practica_eric/nodejs-blog-practica (main)
$ npm run dev
> dev
> next dev
ready - started server on 0.0.0.0:3000, url: http://localhost:3000
event - compiled client and server successfully in 267 ms (158 modules)

Usuario@DESKTOP-560EG10 MINGW64 ~/Documents/DAW SEMI/2DAW/Despliegue/UD3_GithubActions/practica_github_actions/repositorio_practica_eric/nodejs-blog-practica (main)
$ npm run cypress:run
> cypress:run
> cypress run

=====

(Run Starting)

Cypress:      9.1.1
Browser:      Electron 94 (headless)
Node Version: v20.17.0 (C:\Program Files\nodejs\node.exe)
Specs:        2 found (1-my-tests/api/users.spec.js, 1-my-tests/pages/index.spec.js)

Running: 1-my-tests/api/users.spec.js (1 of 2)
Browserslist: caniuse-lite is outdated. Please run:
npx browserslist@latest --update-db

Why you should do it regularly:
https://github.com/browserslist/browserslist#browsers-data-updating

Test de endpoints
1) Endpoint user creation
2) Endpoint user creation
3) Endpoint user creation
4) Endpoint user creation
5) Endpoint user creation
6) Endpoint user creation
7) Endpoint user creation
8) Endpoint user creation
9) Endpoint user creation
10) Endpoint user creation
11) Endpoint get users
```








vemos que fallan los tests

Arreglamos los los fallos que nos documenta el test de cyress

2.5 Creamos los tokens de Vercel y del mail

Repository secrets

New repository secret

| Name  | Last updated |
|--|---|
|  TOKEN_EMAIL | now   |
|  VERCEL_TOKEN | 3 minutes ago   |

3 Creamos el workflow:

(Antes debemos crear la carpeta. `.github/workflows`)

```
Usuario@DESKTOP-560EG10 MINGW64 ~/Documents/DAW SEMI/2DAW/Despliegue/UD3_GithubActions/final_practica/nodejs-blog-practica/.github/workflows (main)
$ cat eric_repositori_workflow.yml
name: eric_repositori_workflow

on:
  push:
    branches:
      - main

jobs:
```

```

Linter_job:
  runs-on: ubuntu-latest
  steps:
    - name: Checkout code
      uses: actions/checkout@v3
    - name: Install dependencies
      run: npm install
    - name: Run linter
      run: npm run lint

Cypress_job:
  needs: Linter_job
  runs-on: ubuntu-latest
  steps:
    - name: Checkout code
      uses: actions/checkout@v3
    - name: Install dependencies
      run: npm install
    - name: Start server
      run: npm run dev &
      env:
        CI: true
    - name: Wait for server to be ready
      run: npx wait-on http://localhost:3000
    - name: Run Cypress tests
      id: cypress-run
      uses: cypress-io/github-action@v5
      with:
        continue-on-error: true
    - name: Save test results
      run: |
        if [ "${{ steps.cypress-run.outcome }}" = "success" ]; then
          echo "success" > result.txt
        else
          echo "failure" > result.txt
        fi
    - name: Upload test results
      uses: actions/upload-artifact@v3
      with:
        name: cypress-results
        path: result.txt

Add_badge_job:
  needs: Cypress_job
  runs-on: ubuntu-latest
  steps:
    - name: Checkout code
      uses: actions/checkout@v3
    - name: Download test results
      uses: actions/download-artifact@v3
      with:
        name: cypress-results
    - name: Generate badge output
      id: badge
      run: |
        RESULT=$(cat result.txt)
        if [[ "$RESULT" == "success" ]]; then
          badge="! [Success](https://img.shields.io/badge/tested%20with-Cypress-04C38E.svg)"
        else
          badge="! [Failure](https://img.shields.io/badge/test-failure-red)"
        fi
        echo "cypress_outcome=$RESULT" >> $GITHUB_ENV
        echo "badge_url=$badge" >> $GITHUB_ENV
    - name: Update README with badge
      run: |
        sed -i '/RESULTAT DELS ÚLTIMS TESTS/ {n; s|.*|'"$badge_url"'|;}'
        README.md

        git config --local user.email "actions@github.com"
        git config --local user.name "GitHub Actions"
        git add .
        git commit -m "Update README with test badge" || echo "No changes to
commit"
        git push https://x-access-token:${{ secrets.GITHUB_TOKEN
}}@github.com/${{ github.repository }} HEAD:main

```

```

Deploy_job:
  needs: Cypress_job
  runs-on: ubuntu-latest
  steps:
    - name: Checkout code
      uses: actions/checkout@v3
    - name: Deploy to Vercel
      uses: amondnet/vercel-action@v20
      with:
        vercel-token: ${ secrets.VERCEL_TOKEN }
        vercel-args: "--prod --yes"

Notification_job:
  runs-on: ubuntu-latest
  needs: [Linter_job, Cypress_job, Add_badge_job, Deploy_job]
  steps:
    - name: Send email notification
      uses: dawidd6/action-send-mail@v3
      with:
        server_address: smtp.gmail.com
        server_port: 465
        username: ${ secrets.EMAIL_USERNAME }
        password: ${ secrets.EMAIL_PASSWORD }
        from: ${ secrets.EMAIL_USERNAME }
        subject: "Resultat del workflow executat"
        to: ${ secrets.TOKEN_EMAIL }
        body: |
          S'ha realitzat un push en la branca main amb els següents
resultats:
  - Linter_job: ${ needs.Linter_job.result }
  - Cypress_job: ${ needs.Cypress_job.result }
  - Add_badge_job: ${ needs.Add_badge_job.result }
  - Deploy_job: ${ needs.Deploy_job.result }

```

4 Lo subimos al repositorio de github

```

Usuario@DESKTOP-56DEG10 MINGW64 ~/Documents/DAW_SEMI/2DAW/Despliegue/UD3_GithubActions/practica_github_actions/repositorio_practica_eric/nodejs-blog-practica (main)
$ git commit -m "Practica github Actions"
[main 5b24fbf] Practica github Actions
1 file changed, 9 insertions(+), 1 deletion(-)

Usuario@DESKTOP-56DEG10 MINGW64 ~/Documents/DAW_SEMI/2DAW/Despliegue/UD3_GithubActions/practica_github_actions/repositorio_practica_eric/nodejs-blog-practica (main)
$ git push origin main
Enumerating objects: 9, done.
Counting objects: 100% (9/9), done.
Delta compression using up to 12 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (5/5), 564 bytes | 564.00 KiB/s, done.
Total 5 (delta 2), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
To https://github.com/Eric0298/practica_github_actions.git
 f6a6c0f..5b24fbf main -> main

```

5. Vemos los resultados de githubActions.

Summary

Re-run triggered last week

Status: Failure

Total duration: 12s

Artifacts: 1

Jobs:

- ✓ Linter_job
- ✓ Cypress_job
- ✓ Add_badge_job
- ✓ Deploy_job
- ✗ Notification_job

Run details

Usage

Workflow file

eric_repositori_workflow.yml
on: push

```

graph LR
    Linter_job[25s] --> Cypress_job[1m 4s]
    Cypress_job --> Add_badge_job[6s]
    Add_badge_job --> Notification_job[2s]
    Add_badge_job --> Deploy_job[37s]

```