



Redux

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UO257275 – RAÚL GARCÍA ARENAS

SemEs1-08

Arquitectura del Software 2019-2020

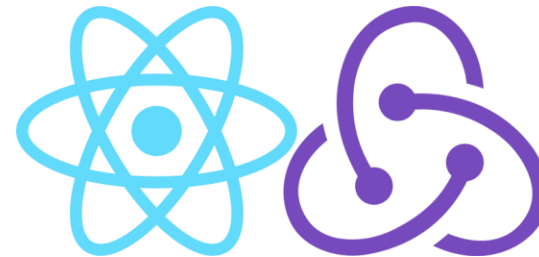
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3. Atributos de calidad y restricciones
4. Aspectos de desarrollo
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1. Introducción

- ¿Qué es Redux?
 - Patrón de arquitectura de datos
 - Permite manejar el estado de una aplicación

Puede ser usado junto con React



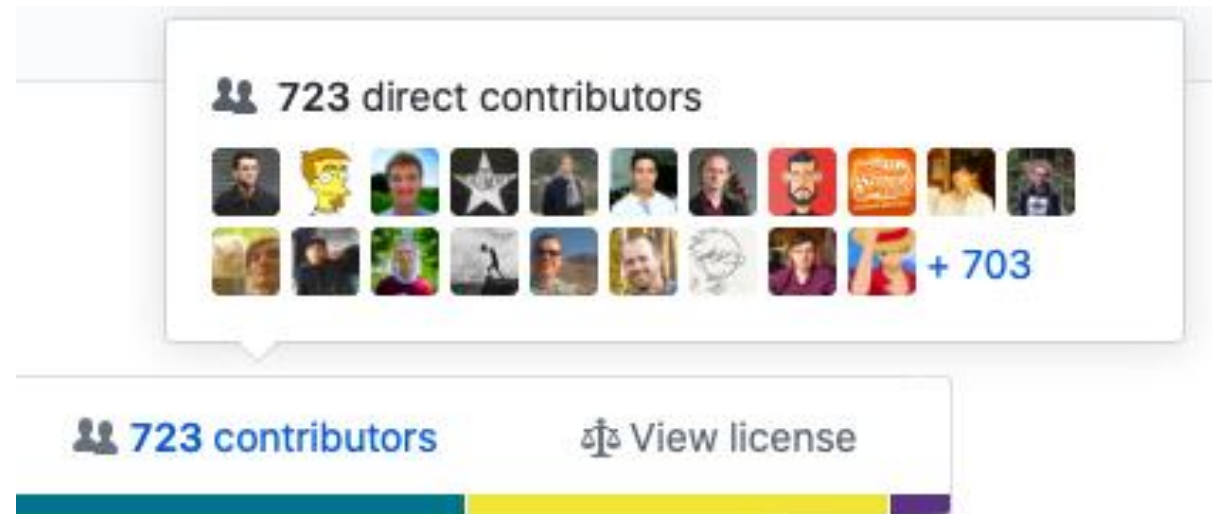
1.1. Introducción

- Estado
 - Información y valores almacenados
 - Se modifica durante la ejecución
 - La interacción del usuario altera el estado
- Propósito de Redux:
 - Hacer predecibles los cambios de estado en la aplicación



2. Stakeholders

- Creadores del proyecto: Dan Abramov y Andrew Clark
- Usuarios que hacen uso de la librería
- Comunidad de colaboradores en GitHub



3. Atributos de calidad

- Adaptabilidad
 - NodeJS, Angular, Vue...
- Eficiencia
 - Pesa poco, es rápido, datos más accesibles...
- Mantenibilidad
 - Gran cantidad de desarrolladores activos

Restricciones

- Limitado a un store
- Estados sólo de lectura
- Cambios con funciones puras

4. Aspectos de desarrollo

- Código de conducta
- ¿Cómo contribuir al desarrollo?
 - Infomar de problemas y realizar preguntas
 - Errores y mejoras
 - Desarrollo

Desarrollo

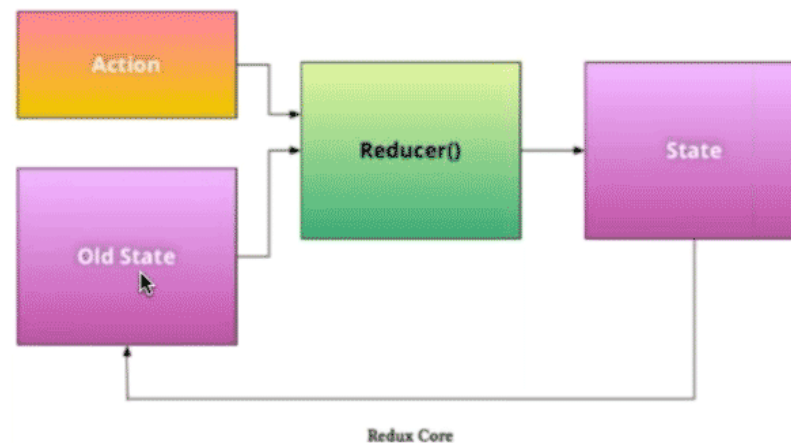
- Documentación
- Bugs
- Sugerencias

<div> <div>🔔</div> <div>28 Open</div> <div>✓ 1,723 Closed</div> </div>	Author ▾	Label ▾	Milestones ▾	Assignee ▾	Sort ▾
<div>🔔</div> <div>Use Redux toolkit but do not use Immutable</div> <div>#3711 opened on 25 Feb by JeremiAnastaziak</div>					2
<div>🔔</div> <div>[Docs Rewrite] Create "Treat Reducers as State Machines" page</div> <div>#3692 opened on 7 Feb by bolatovumar 🏷 Docs Rewrite</div>					4
<div>🔔</div> <div>[Docs Rewrite] Create "Quick Start" page</div> <div>#3674 opened on 7 Jan by markerikson 🏷 Docs Rewrite</div>					
<div>🔔</div> <div>Consider using error code strategy employed by react</div> <div>#3655 opened on 12 Dec 2019 by heygrady</div>					1
<div>🔔</div> <div>Style Guide: Ducks or Rails Style?</div> <div>#3639 opened on 26 Nov 2019 by ajones513</div>					4
<div>🔔</div> <div>[Docs Rewrite] Discussion: Ideas from Other Docs and Resources docs</div> <div>#3615 opened on 12 Nov 2019 by markerikson 🏷 Docs Rewrite</div>					1
<div>🔔</div> <div>[Docs Rewrite] New Page: Data Fetching and Caching docs</div> <div>#3613 opened on 11 Nov 2019 by phryneas 📊 0 of 7 🏷 Docs Rewrite</div>					4
<div>🔔</div> <div>[Docs Rewrite] Discussion: Docs writing guidelines and issue templates</div> <div>#3609 opened on 6 Nov 2019 by markerikson 📊 1 of 2 🏷 Docs Rewrite</div>					11
<div>🔔</div> <div>[Docs Rewrite] Meta-Issue: Other Content docs</div> <div>#3602 opened on 29 Oct 2019 by markerikson 📊 1 of 3 🏷 Docs Rewrite</div>					
<div>🔔</div> <div>[Docs Rewrite] Meta-Issue: Understanding Redux section docs</div> <div>#3600 opened on 29 Oct 2019 by markerikson 📊 0 of 8 🏷 Docs Rewrite</div>					3

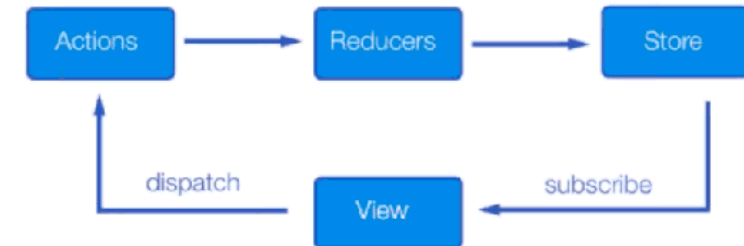
5. Arquitectura

- Redux es en sí mismo es un patrón de arquitectura para los datos.
- A diferencia de otros patrones, los cambios en el estado no se pueden producir desde varios elementos de la aplicación.
- Tres principios básicos.

REDUCERS

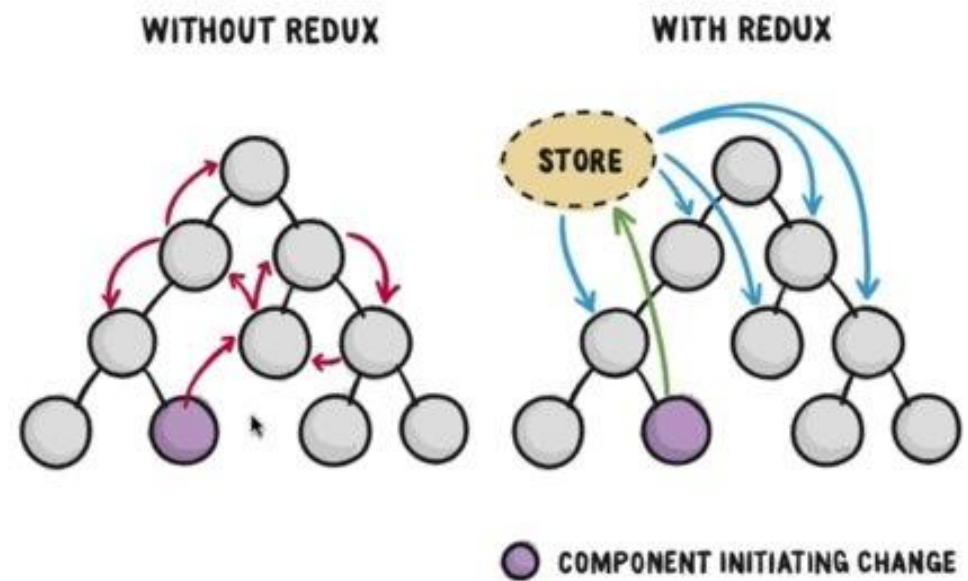


Redux




5.1 Arquitectura

- Variación de la arquitectura de componentes de una aplicación con y sin redux



6. Redux en GitHub

 [reduxjs](#) / [redux](#)

Used by ▼ 1m

Watch ▼ 1.5k

★ Star 52.6k

🍴 Fork 13.8k

<> Code

! Issues 28

🔗 Pull requests 11

▶ Actions

🛡 Security

📊 Insights

Predictable state container for JavaScript apps <https://redux.js.org>

redux

🔗 2,981 commits

🌿 5 branches

📦 0 packages

📅 61 releases

👤 723 contributors

📄 View license

Branch: master ▼


New pull request

Create new file

Upload files









Find file

Clone or download ▼

 **timdorr** compressed-size-action doesn't like that....

✓ Latest commit 23264c3 4 days ago

Gestión de issues

 [Docs Rewrite] Meta-Issue: Overview docs	18
#3592 opened on 29 Oct 2019 by markerikson 2 of 14 Docs Rewrite	
 [Docs Rewrite] Meta-Issue: Guided Learning Paths docs	
#3591 opened on 29 Oct 2019 by markerikson 0 of 3 Docs Rewrite	
 TypeScript definitions allow a reducer that doesn't handle all possible actions typescript	10
#3580 opened on 1 Oct 2019 by Mossop	
 TypeScript definition of StoreEnhancer does not allow state extension with replaceReducer typescript	25
#3482 opened on 24 Jul 2019 by mhelmer	
 [bug: typescript] ActionCreator lose it's arguments type bug typescript	1 5
#3455 opened on 21 Jun 2019 by dabuside	
 [examples] todos-flow combineReducers() throws Flow error of missing type annotations	5
#3377 opened on 13 Mar 2019 by synchronos-t	
 Async Actions documentation issue docs	4
#3109 opened on 23 Aug 2018 by maddn	
 Docs: add Redux historical context page and FAQ info docs	1
#3075 opened on 28 Jul 2018 by markerikson	

Frecuencia de código

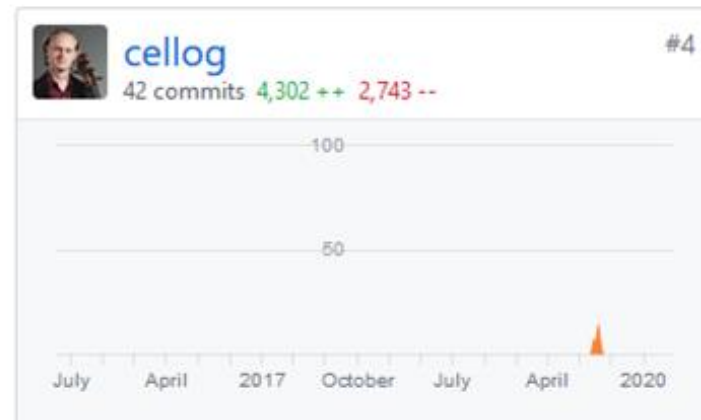
May 24, 2015 – Mar 24, 2020

Contributions: Commits ▼

Contributions to master, excluding merge commits



Colaboradores



Instalación

```
C:\Users\usuaeio\git\viade_es4a>npm install --save redux
npm WARN acorn-jsx@5.1.0 requires a peer of acorn@^6.0.0 || ^7.0.0 but none is installed. You must install peer dependencies yourself.
npm WARN eslint-config-airbnb@17.1.1 requires a peer of eslint-plugin-import@^2.18.0 but none is installed. You must install peer dependencies yourself.
npm WARN eslint-config-airbnb@17.1.1 requires a peer of eslint-plugin-jsx-a11y@^6.2.3 but none is installed. You must install peer dependencies yourself.
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npm WARN eslint-config-airbnb-base@13.2.0 requires a peer of eslint-plugin-import@^2.17.2 but none is installed. You must install peer dependencies yourself.
npm WARN react-google-maps@9.4.5 requires a peer of @types/googlemaps@^3.0.0 but none is installed. You must install peer dependencies yourself.
npm WARN react-google-maps@9.4.5 requires a peer of @types/markerclustererplus@^2.1.29 but none is installed. You must install peer dependencies yourself.
npm WARN react-i18next@10.13.2 requires a peer of i18next@>= 17.0.0 but none is installed. You must install peer dependencies yourself.
npm WARN tsutils@3.17.1 requires a peer of typescript@>=2.8.0 || >= 3.2.0-dev || >= 3.3.0-dev || >= 3.4.0-dev || >= 3.5.0-dev || >= 3.6.0-dev || >= 3.6.0-beta || >= 3.7.0-dev || >= 3.7.0-beta but none is installed. You must install peer dependencies yourself.
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@2.1.2 (node_modules\fork-ts-checker-webpack-plugin\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@2.1.2: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})
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npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@2.1.2 (node_modules\mocha\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@2.1.2: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})

+ redux@4.0.5
added 1 package and audited 2711337 packages in 92.351s

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

found 2789 vulnerabilities (2730 low, 57 moderate, 1 high, 1 critical)
  run `npm audit fix` to fix them, or `npm audit` for details
```


React-redux

```
C:\Users\usuaeio\git\viade_es4a>npm install react-redux
npm WARN acorn-jsx@5.1.0 requires a peer of acorn@^6.0.0 || ^7.0.0 but none is installed. You must install peer dependencies yourself.
npm WARN eslint-config-airbnb@17.1.1 requires a peer of eslint-plugin-import@^2.18.0 but none is installed. You must install peer dependencies yourself.
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npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.11: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})

+ react-redux@7.2.0
added 2 packages from 2 contributors and audited 2711350 packages in 72.014s

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

found 2789 vulnerabilities (2730 low, 57 moderate, 1 high, 1 critical)
  run `npm audit fix` to fix them, or `npm audit` for details
```

Redux-devtools

```
C:\Users\usuaeio\git\viade_es4a>npm install --save-dev redux-devtools
npm WARN acorn-jsx@5.1.0 requires a peer of acorn@^6.0.0 || ^7.0.0 but none is installed. You must install peer dependencies yourself.
npm WARN eslint-config-airbnb@17.1.1 requires a peer of eslint-plugin-import@^2.18.0 but none is installed. You must install peer dependencies yourself.
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npm WARN redux-devtools@3.5.0 requires a peer of react-redux@^4.0.0 || ^5.0.0 || ^6.0.0 but none is installed. You must install peer dependencies yourself.
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npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.11: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})

+ redux-devtools@3.5.0
added 2 packages from 1 contributor and audited 2711360 packages in 69.843s

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

Found 2789 vulnerabilities (2730 low, 57 moderate, 1 high, 1 critical)
  run `npm audit fix` to fix them, or `npm audit` for details
```

Despliegue de aplicación

```
Success! Created my-app at C:\Users\usuaeio\git\viade_es4a\my-app
Inside that directory, you can run several commands:

  yarn start
    Starts the development server.

  yarn build
    Bundles the app into static files for production.

  yarn test
    Starts the test runner.

  yarn eject
    Removes this tool and copies build dependencies, configuration files
    and scripts into the app directory. If you do this, you can't go back!

We suggest that you begin by typing:

  cd my-app
  yarn start

Happy hacking!
```

Bibliografía

<https://es.redux.js.org>

<https://github.com/reduxjs/redux>

<http://blog.enriqueoriol.com/2018/08/que-es-redux.html>

<https://desarrolloweb.com/articulos/que-es-redux.html>