

rrweb-io / rrweb Public

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Juice10	ci: restore bundle size badges (#1805) <span>✖</span>	3ae040d · 3 weeks ago
.cache	Chore: Migrate build to vite (#1033)	2 years ago
.changeset	Fix release changeset package names (#1...	3 weeks ago
.github	ci: restore bundle size badges (#1805)	3 weeks ago
.vscode	Reverse monkey patch built in methods to ...	2 years ago
.yarn/releases	Lock yarn to 1.23.0 (#922)	4 years ago
docs	docs: revamp installation docs for esm and ...	2 months ago
packages	docs: revamp installation docs for esm and ...	2 months ago
scripts	Chore: Migrate build to vite (#1033)	2 years ago
.editorconfig	yarn format - prettier improvements & add ....	2 years ago
.eslintignore	Chore: Migrate build to vite (#1033)	2 years ago
.eslintrc.js	Eslint camelCase (#1625)	last year
.gitattributes	Lock yarn to 1.23.0 (#922)	4 years ago
.gitignore	Umd folder (#1704)	2 months ago
.markdownlint.yml	Chore: Add issue/pr template and general h...	4 years ago
.npmignore	Add yarn support for installing unreleased r...	5 years ago
.prettierrc	Chore: Ignore generated files from .svelte-k...	2 years ago
.prettierrc	yarn format - prettier improvements & add ....	2 years ago
.puppeteer.cjs	Chore: Migrate build to vite (#1033)	2 years ago
.release-it.json	CI: add a prettier GitHub action to format c...	4 years ago
.yarnrc.yml	Lock yarn to 1.23.0 (#922)	4 years ago
CHANGELOG.md	<a href="#">close #489</a> add v1.0.0 changelog	5 years ago
CODE_OF_CONDUCT.md	CI: add a prettier GitHub action to format c...	4 years ago
CONTRIBUTING.md	Chore: Migrate build to vite (#1033)	2 years ago
LICENSE	add company info	8 years ago
README.md	Umd folder (#1704)	2 months ago
README.zh_CN.md	docs: revamp installation docs for esm and ...	2 months ago
SECURITY.md	Create SECURITY.md (#1719)	8 months ago
guide.md	docs: revamp installation docs for esm and ...	2 months ago
guide.zh_CN.md	docs: revamp installation docs for esm and ...	2 months ago
	chore(ci): track bundle size (#1630)	last year

package.json		
tsconfig.base.json	Improve development tooling (#1516)	2 years ago
tsconfig.eslint.json	Chore: Add issue/pr template and general h...	4 years ago
tsconfig.json	Chore: Migrate build to vite (#1033)	2 years ago
turbo.json	Fix typo in turbo.json	2 months ago
vite.config.default.ts	Umd folder (#1704)	2 months ago
vitest.config.ts	Fix Vitest hanging indefinitely with Vite 6 by...	5 months ago
vitest.workspace.ts	Chore: Migrate build to vite (#1033)	2 years ago
yarn.lock	Migrates to vite@6 to drop base64 inlined ...	2 months ago

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# rrweb

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rrweb refers to 'record and replay the web', which is a tool for recording and replaying users' interactions on the web.

## Guide

[Read the rrweb guide here.](#)

[Recipes](#)

[Presentation: Hacking the browser to digital twin your users](#)

## Project Structure

rrweb is mainly composed of 3 parts:

- [rrweb-snapshot](#), including both snapshot and rebuilding features. The snapshot is used to convert the DOM and its state into a serializable data structure with a unique identifier; the rebuilding feature is to rebuild the snapshot into corresponding DOM.
- [rrweb](#), including two functions, record and replay. The record function is used to record all the mutations in the DOM; the replay is to replay the recorded mutations one by one according to the corresponding timestamp.
- [rrweb-player](#), is a player UI for rrweb, providing GUI-based functions like pause, fast-forward, drag and drop to play at any time.

## Roadmap

- storage engine: do deduplication on a large number of rrweb sessions
- compact mutation data in common patterns

- provide plugins via the new plugin API, including:
  - XHR plugin
  - fetch plugin
  - GraphQL plugin
  - ...

## Internal Design

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- [serialization](#)
- [incremental snapshot](#)
- [replay](#)
- [sandbox](#)

## Contribute Guide

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Since we want the record and replay sides to share a strongly typed data structure, rrweb is developed with typescript which provides stronger type support.

### [Typescript handbook](#)

1. Fork this repository.
2. Run `yarn install` in the root to install required dependencies for all sub-packages (note: `npm install` is *not* recommended).
3. Run `yarn build:all` to build all packages and get a stable base, then `yarn dev` in the root to get auto-building for all the sub-packages whenever you modify anything.
4. Navigate to one of the sub-packages (in the `packages` folder) where you'd like to make a change.
5. Patch the code and run `yarn test` to run the tests, make sure they pass before you commit anything. Add test cases in order to avoid future regression.
6. If tests are failing, but the change in output is desirable, run `yarn test:update` and carefully commit the changes in test output.
7. Push the code and create a pull request.

Protip: You can run `yarn test` in the root folder to run all the tests.

In addition to adding integration tests and unit tests, rrweb also provides a REPL testing tool.

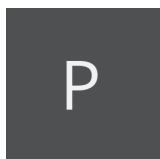
### [Using the REPL tool](#)

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### Core Team Members

<a href="#">Yuyz0112</a>	<a href="#">Yun Feng</a>	<a href="#">eoghanmurray</a>	<a href="#">Juice10</a> <a href="#">open.for.rrweb.consulting</a>

### Who's using rrweb?

			<b>Record Once</b> <a href="#">Comprehensive data analytics platform that empowers businesses to gain valuable insights and make data-driven decisions.</a>
			<b>HowdyGo</b>

### Releases 138

rrweb@1.1.3; rrweb-player@0.7.14; rrweb-snapshot@1.1.14 Latest  
on Apr 4, 2022

+ 137 releases

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Yuyz0112 yz-yu

[opencollective.com/rrweb](https://opencollective.com/rrweb)

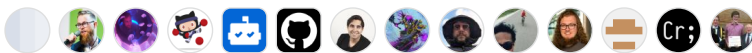
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### Packages

No packages published

### Contributors 139



+ 125 contributors

### Languages

