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About

Universal WHATWG Fetch API for Node, Browsers and React Native.

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Releases 20

 **v3.1.5** Latest
on 20 Jan

[+ 19 releases](#)

	liquixada chore: added white background to Vulcan logo ...	✓ on 28 Jan 🕒 525
📁 .github/workflows	chore: updated node-fetch version to 2.6.7 (#124)	2 months ago
📁 .husky	chore: updated husky	12 months ago
📁 bin	chore: added closeOnExec param to ./bin/server	8 months ago
📁 docs/images	chore: added white background to Vulcan logo	2 months ago
📁 examples	chore: simplified browser example	2 months ago
📁 polyfill	add license field	2 years ago
📁 src	added ponyfill property to fetch for easier debugging.	14 months ago
📁 test	refactor: renamed test/fetch/ to test/fetch-api/ and t...	5 months ago
📄 .codecov.yml	codecov config now is a dotfile.	4 years ago
📄 .editorconfig	first commit.	5 years ago
📄 .gitattributes	created usage/ for testing third-party usage of cross...	3 years ago
📄 .gitignore	refactor: removed dist/	2 months ago
📄 .npmrc	disabled package-lock.json.	3 years ago

 .nvmrc	upgraded node to version 10 due some dependencie...	2 years ago
 LICENSE	first commit.	5 years ago
 Makefile	refactor: renamed test/fetch/ to test/fetch-api/ and t...	5 months ago
 README.md	chore: updated CI badge url	2 months ago
 _config.yml	Set theme jekyll-theme-minimal	4 years ago
 index.d.ts	fix: reverted index.d.ts to its original state (prior 3.1.0)	12 months ago
 package.json	refactor: removed dist/	2 months ago
 rollup.config.js	introduced github actions (#84)	14 months ago
 tsconfig.json	refactor: renamed test/fetch/ to test/fetch-api/ and t...	5 months ago

☰ README.md

cross-fetch

npm **v3.1.5**
 downloads **11M/week**
 License **MIT**
 CI **passing**
 codecov **95%**

Universal WHATWG Fetch API for Node, Browsers and React Native. The scenario that cross-fetch really shines is when the same JavaScript codebase needs to run on different platforms.

- **Platform agnostic:** browsers, Node or React Native
- **Optional polyfill:** it's up to you if something is going to be added to the global object or not
- **Simple interface:** no instantiation, no configuration and no extra dependency

Packages 1

 cross-fetch

Used by 645k

 + 645,008

Contributors 18




+ 7 contributors

Environments 1

 github-pages Active

Languages



- JavaScript 56.6%
- TypeScript 34.8%
- HTML 4.2%
- Makefile 2.2%
- Shell 2.2%

- **WHATWG compliant:** it works the same way wherever your code runs
 - **TypeScript support:** better development experience with types.
-

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Install

```
npm install --save cross-fetch
```

As a [ponyfill](#):

```
// Using ES6 modules with Babel or TypeScript
import fetch from 'cross-fetch';

// Using CommonJS modules
const fetch = require('cross-fetch');
```

As a polyfill:

```
// Using ES6 modules
import 'cross-fetch/polyfill';

// Using CommonJS modules
require('cross-fetch/polyfill');
```

The CDN build is also available on unpkg:

```
<script src="//unpkg.com/cross-fetch/dist/cross-fetch.js"></script>
```

This adds the fetch function to the window object. Note that this is not UMD compatible.

Usage

With [promises](#):


```
import fetch from 'cross-fetch';
// Or just: import 'cross-fetch/polyfill';

fetch('https://api.github.com/users/lquixada')
  .then(res => {
    if (res.status >= 400) {
      throw new Error("Bad response from server");
    }
    return res.json();
  })
  .then(user => {
    console.log(user);
  })
```

```
})  
.catch(err => {  
  console.error(err);  
});
```

With `async/await`:

```
import fetch from 'cross-fetch';  
// Or just: import 'cross-fetch/polyfill';  
  
(async () => {  
  try {  
    const res = await fetch('https://api.github.com/users/lquixada');  
  
    if (res.status >= 400) {  
      throw new Error("Bad response from server");  
    }  
  
    const user = await res.json();  
  
    console.log(user);  
  } catch (err) {  
    console.error(err);  
  }  
})();
```

 **Warning:** If you're in an environment that doesn't support Promises such as Internet Explorer, you must install an ES6 Promise compatible polyfill. [es6-promise](#) is suggested.

Demo & API

You can find a comprehensive doc at [Github's fetch](#) page. If you want to play with cross-fetch, check our [JSFiddle playground](#).

Tip: Run the fiddle on various browsers and with different settings (for instance: cross-domain requests, wrong urls or text requests). Don't forget to open the console in the test suite page and play around.

FAQ

Yet another fetch library?

I did a lot of research in order to find a fetch library that could be simple, cross-platform and provide polyfill as an option. There's a plethora of libs out there but none could match those requirements.

Why not isomorphic-fetch?

My preferred library used to be [isomorphic-fetch](#) but it has this [bug](#) that prevents it from running in a react native environment. It seems unlikely to be fixed since there haven't been any new commits to it since 2016. That means dependencies are outdated as well.







Why polyfill might not be a good idea?

In a word? Risk. If the spec changes in the future, it might be problematic to debug. Read more about it on [sindresorhus's ponyfill](#) page. It's up to you if you're fine with it or not.

How does cross-fetch work?

Just like isomorphic-fetch, it is just a proxy. If you're in node, it delivers you the [node-fetch](#) library, if you're in a browser or React Native, it delivers you the github's [whatwg-fetch](#). The same strategy applies whether you're using polyfill or ponyfill.

Who's Using It?

					
The New York Times	Apollo GraphQL	Facebook	Swagger	VulcanJS	graphql-request

Thanks

Heavily inspired by the works of [matthew-andrews](#). Kudos to him!

License

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Author



[@lquixada](#)