

Fetch



This is an experimental technology

Because this technology's specification has not stabilized, check the compatibility table for usage in various browsers.

Also note that the syntax and behavior of an experimental technology is subject to change in future versions of browsers as the specification changes.

What is fetch?

- Fetch is a modern concept equivalent to XMLHttpRequest
 - But is designed to be more extensible and efficient
- All modern browsers have a global **fetch** method for initiating asynchronous resource requests (AJAX calls)

Why?

- When you build a complex web app with error handling it often get cumbersome to use XMLHttpRequest
 - That is one reason to use jQuery or
- **fetch** has a more modern and efficient API than XMLHttpRequest
 - The main difference is that the Fetch API uses Promises, which enables a simpler and cleaner API

Browser support

Desktop

Chrome	Opera	Firefox	IE	Edge	Safari
42	29	39	No	14	10.1

Mobile / Tablet

iOS Safari	Opera Mobile	Opera Mini	Android	Android Chrome	Android Firefox
10.3	37	No	56	57	52

Networking in JavaScript

library / API	All Browsers	Node	Concise Syntax	Promises	Native (build-in)	Single Purpose	Formal Specification
XMLHttpRequest	✓				✓	✓	✓
fetch()			✓	✓	✓	✓	✓
Node HTTP		✓			✓	✓	✓
Fetch polyfill	✓		✓	✓		✓	✓
node-fetch		✓	✓	✓		✓	✓
isomorphic-fetch	✓	✓	✓	✓		✓	✓
superagent	✓	✓	✓			✓	
axios	✓	✓	✓	✓		✓	
jQuery	✓		✓				

If you use jQuery for other purposes then use jQuery for AJAX too, but otherwise use fetch (or fetch-polyfill if you must support IE)

How

- A get request using fetch:

```
fetch('./api/some.json')
  .then(
    function(response) {
      if (response.status !== 200) {
        console.log('Looks like there was a problem. Status Code: '
          + response.status);
        return;
      }

      // Examine the text in the response
      response.json().then(function(data) {
        console.log(data);
      });
    }
  )
  .catch(function(err) {
    console.log('Fetch Error :-S', err);
  });
```

References & Links

- Fetch API

https://developer.mozilla.org/en-US/docs/Web/API/Fetch_API

- Using Fetch

<https://css-tricks.com/using-fetch/>

<https://developers.google.com/web/updates/2015/03/introduction-to-fetch>