Fetch API - Browser Compatibility

Fetch API provides a modern JavaScript interface that is used to send requests to the server and handle the response from the server asynchronously. It is more powerful and flexible as compared to the XMLHttpRequest object.

Compatible Browsers

The Fetch API is supported by almost all modern web browsers. The following list shows the browsers named and their versions that support Fetch API −

Browser Name	Versions
Chrome	42-117
Edge	14-114
Firefox	39-117
Safari	10.1-16.6
Opera	29-100
Chrome Android	101
Firefox for Android	111
Opera Android	70
Safari on IOS	10.3-16.6
Samsung Internet	4-19

Compatibility Check

The browser compatibility can change over time due to new versions. So, it is a good practice to check the current browser compatibility of Fetch API. The following are the key points that are used to check the compatibility of the web browser −

- **Versions of web browser** − While using Fetch API, please make sure that you are fully aware of what version of the browser you will require for using Fetch API because different versions of web browsers have their level of support for Fetch API.

- **Support of Fetch API** – While using a web browser always verifies that the web browser you are using supports Fetch API. Although almost all modern web browsers support Fetch API, in case you are using an older browser then it will not support Fetch API.

- **Feature Detection** – It is a technique which is used to check if the current web browser supports Fetch API or not. It creates a code which checks the presence of the specified Fetch API method or property or it can also provide alternate functionality if they are not supported by the current web browser.

- **Cross-Origin Requests** – While using Fetch API always check if the current browser supports cross-origin requests. Cross-origin resource sharing (CORS)policy can put a direct effect on making requests to different domains. So always make sure that the browser you are using must contain necessary CORS headers and can handle cross-origin requests properly.

- **HTTPS requirement** – Some web browsers apply some restrictions on creating Fetch API requests from HTTP origin to HTTPS origin. So always check such types of restrictions and make the necessary changes in the application so that it will meet all the security requirements.

- **Handling errors** – The browser you are using must handle the error and HTTP status codes correctly. Make sure that the web browser provides the necessary error information for proper error handling.

So using these points we can check the compatibility of the web browser by using Fetch API.

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Conclusion

So this is how we can check the browser compatibility. Fetch API is generally supported by all modern browsers. It does not support older web browsers. So if you are working with old web browsers, then you have to use XMLHttpRequest. Now in the next article, we will learn about Fetch API Headers.