Application Programming Interface

What they are and why they matter

SWIPE TO READ 👉

w3
schools

A Web API is *a developers dream* 💭

- It can extend the functionality of the browser

- It can simplify complex functions

- It can provide easy syntax to complex code

w³ schools

What is
Web API 👀

- API stands for Application Programming Interface.

- Web API is an application programming interface for the Web.

- Browser API can extend the functionality of a web browser.

- Server API can extend the functionality of a web server.

w3
schools

Browser APIs

All browsers have a set of built-in Web APIs to support complex operations and to help access data.

For example, the Geolocation API can return the coordinates of where the browser is located.

w3schools

Example

Get the latitude and longitude of the user's position:

```
const myElement = document.getElementById("demo");

function getLocation() {
  if (navigator.geolocation) {
    navigator.geolocation.getCurrentPosition(showPosition);
  } else {
    myElement.innerHTML = "Geolocation is not supported by this browser.
  }
}

function showPosition(position) {
  myElement.innerHTML = "Latitude: " + position.coords.latitude +
  "<br>Longitude: " + position.coords.longitude;
}
```

Third Party APIs

Third-party APIs are not built into your browser. To use these APIs, you will have to download the code from the Web.

Examples:
- YouTube API
- Twitter API
- Facebook API

Learn more about Web APIs at W3Schools.com