

# API

## What is an API?

An **API** (Application Programming Interface) is a set of rules and protocols that allows different software applications to communicate with each other. It defines methods and data formats that applications can use to request and exchange information. In web development, APIs often serve as bridges between different software systems, allowing them to work together.

## How to Send a Request to an API in JavaScript?

1. **Select a Method:** Decide on the type of operation you want to perform. Common methods include **GET** (retrieve data), **POST** (submit data), **PUT** (update existing data), and **DELETE** (remove data).
2. **Determine the Endpoint:** Specific URL paths that the API uses for functions.
3. **Set Headers:** Additional information like content type or authentication details.
4. **Provide Data:** If sending data, package it appropriately, often as JSON.
5. **Execute the Request:** Tools like the Fetch API can be used.
6. **Manage the Response:** Process returned data or error messages.