

WHAT

IS AN

API



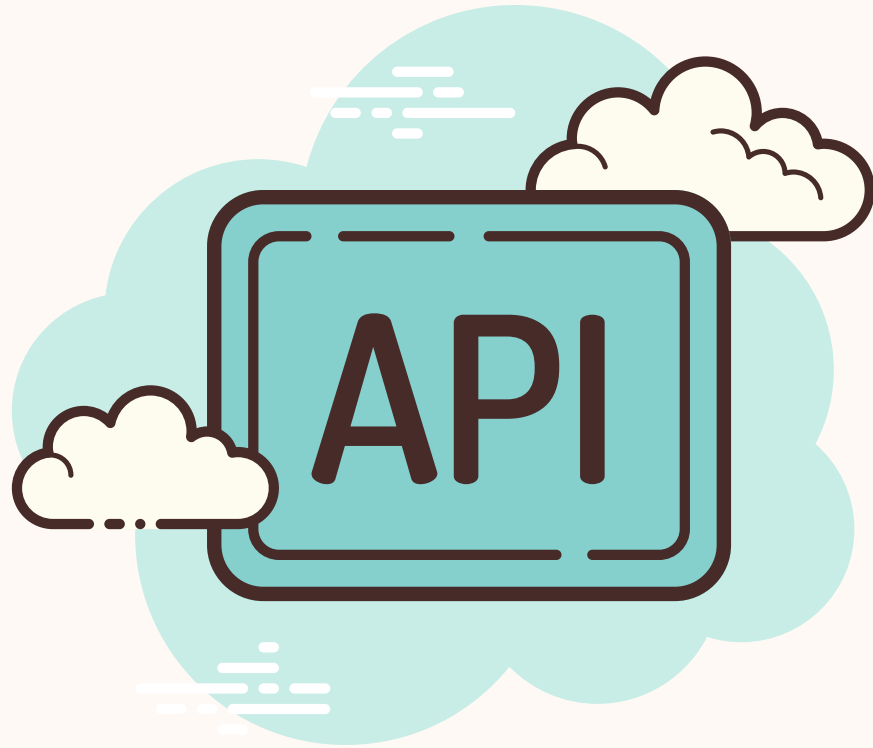
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Application Programming Interface **(API)** is a software **interface** that allows two applications to interact with each other without any user **intervention**. In simple term, API means a software code that can be accessed or executed.



API is a collection of software functions and procedures. **API** is defined as a code that helps two different software's to **communicate** and exchange **data** with each other.

Types of APIs

OPEN APIs

Also known as public APIs. These APIs are publicly available and there are no restrictions to access them

PARTNER APIs

These APIs are not publicly available, so you need specific rights or licenses to access them.

INTERNAL APIs

Internal or private . These APIs are developed by companies to use in their internal systems. It helps you to enhance the productivity of your teams.

PARTNER APIs

This type of APIs combines different data and service APIs.

Web Service APIs

SOAP

It defines messages in XML format used by web applications to communicate with each other.

REST

It makes use of HTTP to GET, POST, PUT, or DELETE data. It is basically used to take advantage of the existing

JSON-RPC

It uses JSON for data transfer and is a light-weight remote procedural call defining few data structure types

XML-RPC

It is based on XML and uses HTTP for data transfer. This API is widely used to exchange information

Example of API USES

 Google Maps API

 Weather API


 Spotify API

 Twitter API

 PayPal API

 HubSpot API

 YouTube API

 Amazon's API

 Travel Booking

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API Testing Tools

POSTMAN

Postman is a plugin in Google chrome, It can be used testing API services. It is a powerful HTTP client to check web services.

PING API

Ping-API is API testing allows us to write test script in JavaScript CoffeeScript to test your APIs.

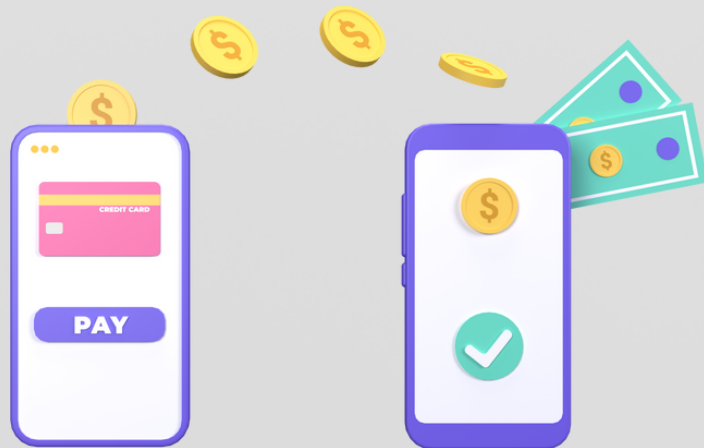
vREST

vREST API tool provides an online solution for automated testing, mocking, automatic recording and specification of REST/HTTP APIs.

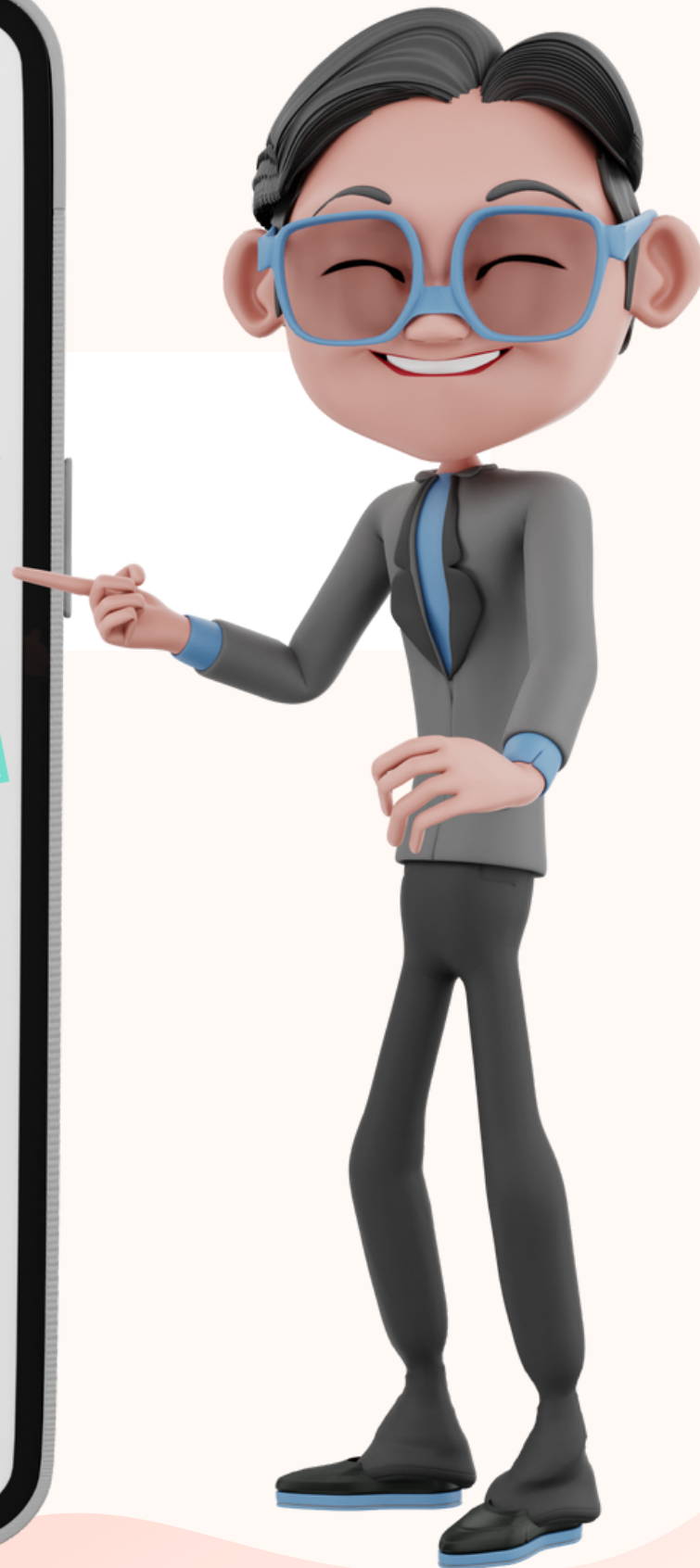
Features of API

- It offers a valuable service (data, function audience).
- It helps you to plan a business model.
- Simple, Flexible, Quickly, Adopted.
- Managed and measured.
- Offers great developer support.

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