

1. What is an API?

-An API, short for Application Programming Interface, is a framework of protocols and tools used in software development. It establishes the methods and data formats for communication between different applications. APIs enable software systems to interact, allowing developers to access specific features or data from services, libraries, or applications without requiring in-depth knowledge of their internal workings. They promote interoperability and empower developers to create more robust and flexible applications through seamless integration of various software components.

2. What are the API Request Types?

- API requests can be categorized into several types based on the HTTP methods used. These include:

GET: Used to retrieve data from a specified resource.

POST: Used to submit data to be processed to a specified resource.

PUT: Used to update a resource on the server by either replacing the existing resource or creating a new one.

PATCH: Used to apply partial modifications to a resource, typically updating specific parts.

DELETE: Used to request the removal of a resource from the server.

These HTTP methods define the nature and purpose of the interaction between clients and servers in API communication.

3. Give an example using postman

GET Postman API

No Environment

Postman API / Postman API

Save

Send

GET

https://postman-echo.com/get?id=123&type=VIP

ParamsAuthHeaders (8)BodyPre-req. TestsSettings

Cookies

Query Params

	Key	Value	Description	...	Bulk Edit
<input checked="" type="checkbox"/>	id	123			
<input checked="" type="checkbox"/>	type	VIP			
	Key	Value	Description		

BodyCookies (2)Headers (6)Test ResultsSecurity

200 OK515 ms941 BSave as Example

PrettyRawPreviewVisualizeJSON

```
1 {
2   "args": {
3     "id": "123",
4     "type": "VIP"
5   },
6   "headers": {
7     "x-forwarded-proto": "https",
8     "x-forwarded-port": "443",
9     "host": "postman-echo.com",
10    "x-amzn-trace-id": "Root=1-645d2119-6897ee2a505c4d3e287872ec",
11    "user-agent": "PostmanRuntime/7.32.1",
12    "accept": "*/*",
13    "cache-control": "no-cache",
14    "postman-token": "9fd86e3c-398b-4637-9e21-3ee616b1944c",
```

Postman

File Edit View Help

New Import Runner My Workspace Invite Upgrade

POST https://api.dotcom-monitor.com/config_api_v1/login Bootcamp No Environment

https://api.dotcom-monitor.com/config_api_v1/login Comments (0) Examples (0)

POST https://api.dotcom-monitor.com/config_api_v1/login Send Save

Params Authorization Headers (10) Body Pre-request Script Tests Settings Cookies Code

Headers (1)

KEY	VALUE	DESCRIPTION	...	Bulk Edit	Presets
<input checked="" type="checkbox"/> Content-Type	application/json				
Key	Value	Description			

Temporary Headers (9)

Body Cookies (1) Headers (10) Test Results Status: 200 OK Time: 816ms Size: 1017 B Save Response

Pretty Raw Preview Visualize BETA JSON

```
1 {
2   "Success": true,
3   "Result": "OK"
4 }
```

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