

JS



# Rest API's

in JavaScript

# REST stands for representational state transfer

A **REST** API (also known as **RESTful API**) is an application programming interface that follows the **constraints** of REST architecture



Facebook REST API

```
{  
  "name": "Slobodan Gajic",  
  "metadata": {  
    "fields": [  
      {  
        "name": "id",  
        "description": "The app user's App-SScoped User ID. This  
ID is unique to the app and cannot be used by other apps.",  
        "type": "numeric string"  
      },  
      {  
        "name": "age_range",  
        "description": "The age segment for this person  
expressed as a minimum and maximum age. For example, more than  
18, less than 21.",  
        "type": "agerange"  
      },  
      {  
        "name": "birthday",  
        "description": "The person's birthday. This is a fixed  
format string, like 'MM/DD/YYYY'. However, people can control  
who can see the year they were born separately from the month"  
    ]  
  }  
}
```



Swipe →

## QUICKREAD

These API's are designed to allow you to **get, create, update, & delete** objects with the HTTP verbs **GET, POST, PUT, PATCH, DELETE** respectively.

When a RESTful API is called, the server will **transfer** to the client a representation of the state of the requested resource (generally a **JSON file**).

**For eg** - A developer using **Facebook's API** to build a tool that can be used for **scheduling your posts**.



One of the main **advantages** of REST APIs is their **flexibility**.

Because **data is not bound to resources or methods**.

These APIs can handle multiple call types, return different data formats, and even be structurally modified.



I am flexible!!!

\*REST  
APIs





Rest API follows the following **principles**

- It is **Stateless**
- It is **Cacheable**
- It follows **Client-Server architecture**
- It has **Uniform Interface**
- It follows **Layered system architecture**

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## Slobodan Gajić

Content Creator



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