Topic: RESTAPIs

1.What is a RESTful API?

Ans. A REST API (also known as RESTful API) is an application programming interface (API or web API) that conforms to the constraints of REST architectural style and allows for interaction with RESTful web services. REST stands for representational state transfer and was created by computer scientist Roy Fielding.

2. What are the benefits of using RESTful APIs?

Ans.

* Lightweight. One of the main benefits of REST APIs is that they rely on the HTTP standard, which means it's format-agonistic and you can use XML, JSON, HTML, etc. ...
* Independent. Another benefit of REST APIs is the fact that the client and server are independent. ...
* Scalable and flexible.

3. What are the HTTP methods used in RESTful API?

Ans. The HTTP verbs comprise a major portion of our “uniform interface” constraint and provide us the action counterpart to the noun-based resource. The primary or most-commonly-used HTTP verbs (or methods, as they are properly called) are POST, GET, PUT, PATCH, and DELETE. These correspond to create, read, update, and delete (or CRUD) operations, respectively. There are a number of other verbs, too, but are utilized less frequently. Of those less-frequent methods, OPTIONS and HEAD are used more often than others.

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