

Rest API's Methods

GET Method

1. The GET method is used to retrieve information from the given server using a given URI.
2. Requests using GET should only retrieve data and should have no other effect on the data.
3. GET is used to request data from a specified resource.
4. GET is one of the most common HTTP methods.

POST Method

- Request the server to accept the enclosed entity.
- This means the POST method call will create a child resource under a collection of resources.
- Client sends requests in the form of HTTP methods to the server to create, retrieve, modify or destroy resources.

PUT Method

- ▶ The PUT method creates a new resource or substitutes a representation of the target resource.
- ▶ PUT can replaces the file or resource.
- ▶ PUT can creates new files or resource.

DELETE Method

- Removes all current representations of the target resource given by URI
- Requests the server to **delete a file at a location** specified by the given URI
- Response status is 200(OK) for the first delete operation.
- Response status is 404(NOT FOUND) as resource is already deleted by first DELETE operation.

PATCH Method

1. PATCH method is the correct choice for partially updating an existing resource, and you should only use PUT if you're replacing a resource in its entirety.
2. Support for PATCH in browsers and Servers is not universal. IE8, PHP, Tomcat, Django, and lots of other software have missing or broken support for it.
3. Example :
 - HTTP GET /users/1
 - { "id": 1, "username": "admin", "email": "email@example.org" }
4. A sample patch request to update the email will be like this:
 - ▶ - HTTP PATCH /users/1 [{ "op": "replace", "path": "/email", "value": "new.email@example.org" }]
 - ▶

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Thank You