

## 1. What is REST API? How is it different from RPC?

According to IBM, a REST API is an API uses REST design principles. It allows applications and services to interact with other applications, services, and databases. They allow a client to interact with a server while still staying independent from it by using HTTP requests for CRUD functions. (1)

Amazon indicates that REST APIs are different from RPC APIs for many reasons. First, RPCs do not use the REST design principles. RPCs call functions from the server while REST has certain names for each of its functionalities like POST or GET. Also, what an RPC sends is decided by the server function, not by the call. REST APIs are used for a certain defined set of tasks done on the server (GETS, POSTS, ect.) and RPCs are used for more complex tasks. (2)

## Bibliography

(1) IBM. "REST APIs." *Ibm.com*, 19 Oct. 2021, [www.ibm.com/think/topics/rest-apis](http://www.ibm.com/think/topics/rest-apis).

(2) "RPC vs REST - Difference between API Architectures - AWS." *Amazon Web Services, Inc.*, [aws.amazon.com/compare/the-difference-between-rpc-and-rest/](http://aws.amazon.com/compare/the-difference-between-rpc-and-rest/).