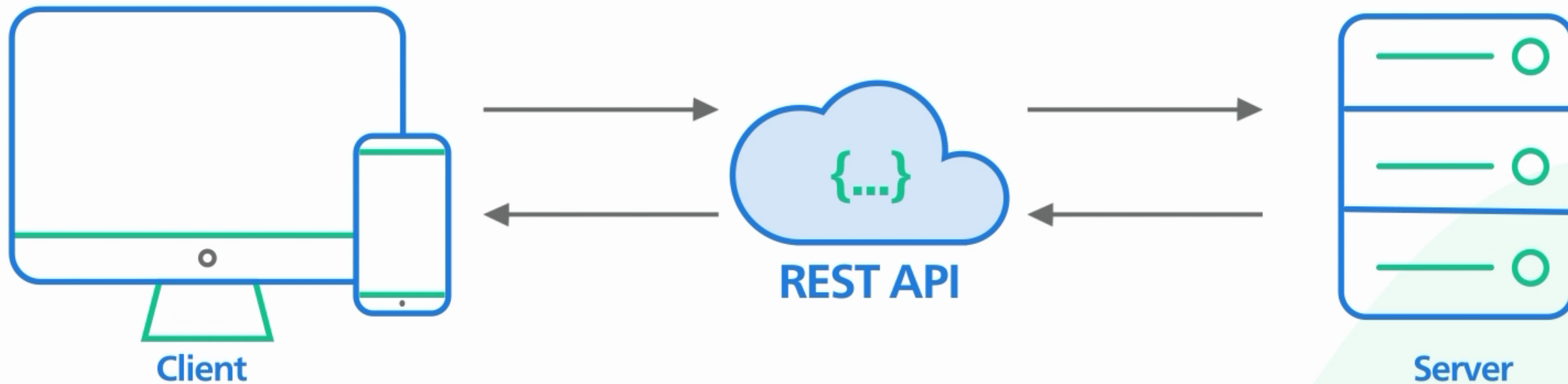
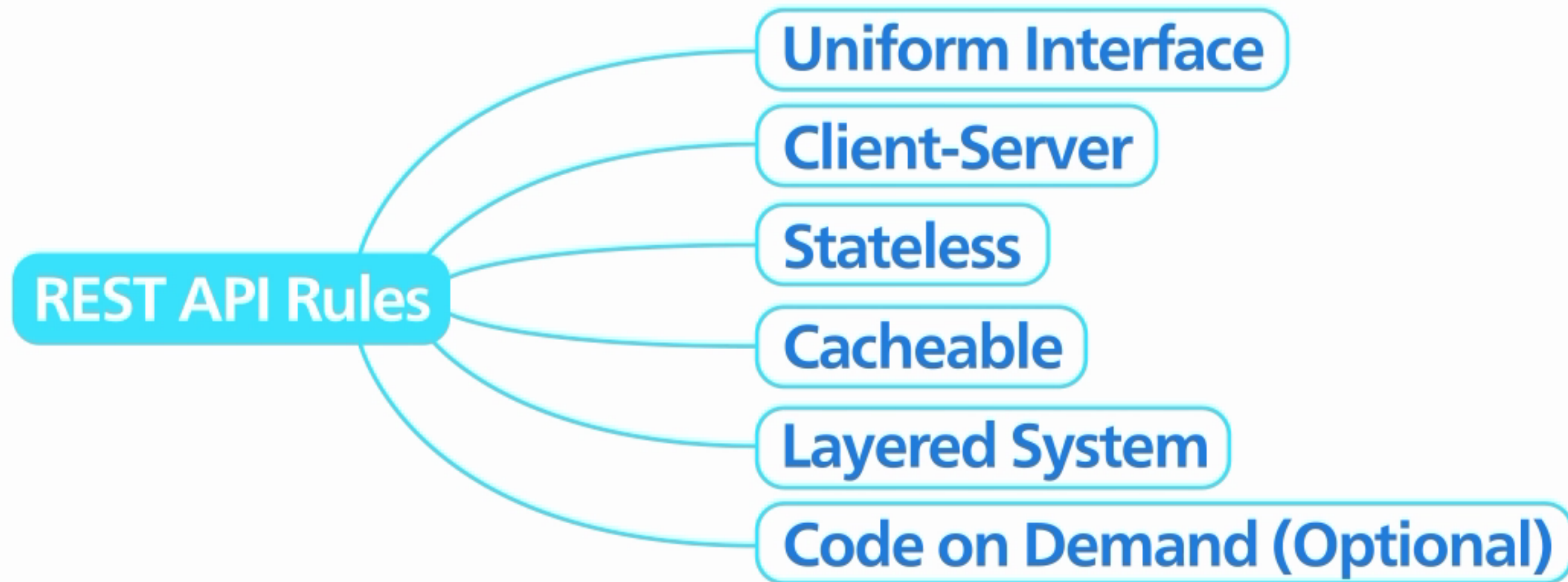


I REST stands for REpresentational State Transfer



Why is RESTful API so popular



Why is RESTful API so popular

Real-life examples



```
Send a simple SMS using the Programmable SMS API
```

NODE.JS C# PHP RUBY PYTHON JAVA CURL TWILIO-CLI 3.X

```
1 // Download the helper library from https://www.twilio.com/docs/node/install
2 // Find your Account SID and Auth Token at twilio.com/console
3 // and set the environment variables. See http://twil.io/secure
4 const accountSid = process.env.TWILIO_ACCOUNT_SID;
5 const authToken = process.env.TWILIO_AUTH_TOKEN;
6 const client = require('twilio')(accountSid, authToken);
7
8 client.messages
9   .create({
10     body: 'This is the ship that made the Kessel Run in fourteen parsecs?',
11     from: '+15017122661',
12     to: '+15558675310'
13   })
14   .then(message => console.log(message.sid));
```

NEXT SAMPLE



stripe API

Find anything

- Introduction
- Authentication
- Connected Accounts
- Errors
- Expanding Responses
- Idempotent Requests
- Metadata
- Pagination
- Request IDs
- Versioning

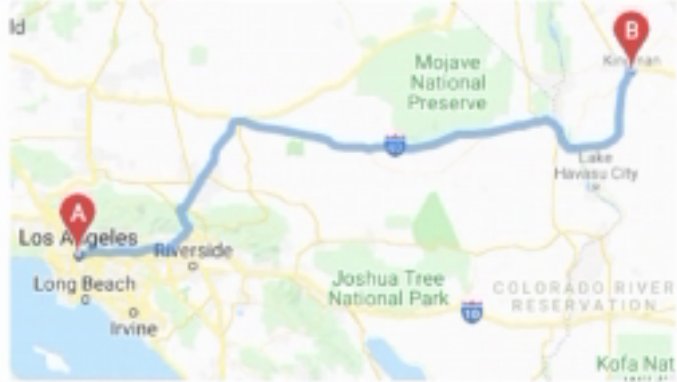
API Reference

The Stripe API is organized around **REST**. Our API has predictable resource-oriented URLs, accepts **form-encoded** request bodies, returns **JSON-encoded** responses, and uses standard HTTP response codes, authentication, and verbs.

You can use the Stripe API in test mode, which doesn't affect your live data or interact with the banking networks. The API key you use to **authenticate** the request determines whether the request is live mode or test mode.

The Stripe API differs for every account as we release new versions and tailor functionality. Log in to see docs customized to your version of the API, with your test key and data.

Was this section helpful? [Yes](#) [No](#)



Directions API

Get directions between locations, for driving, cycling, transit, and walking.

Search Directions API docs

Organizes resources into a set of unique URIs

`https://example.com/api/v3/products`

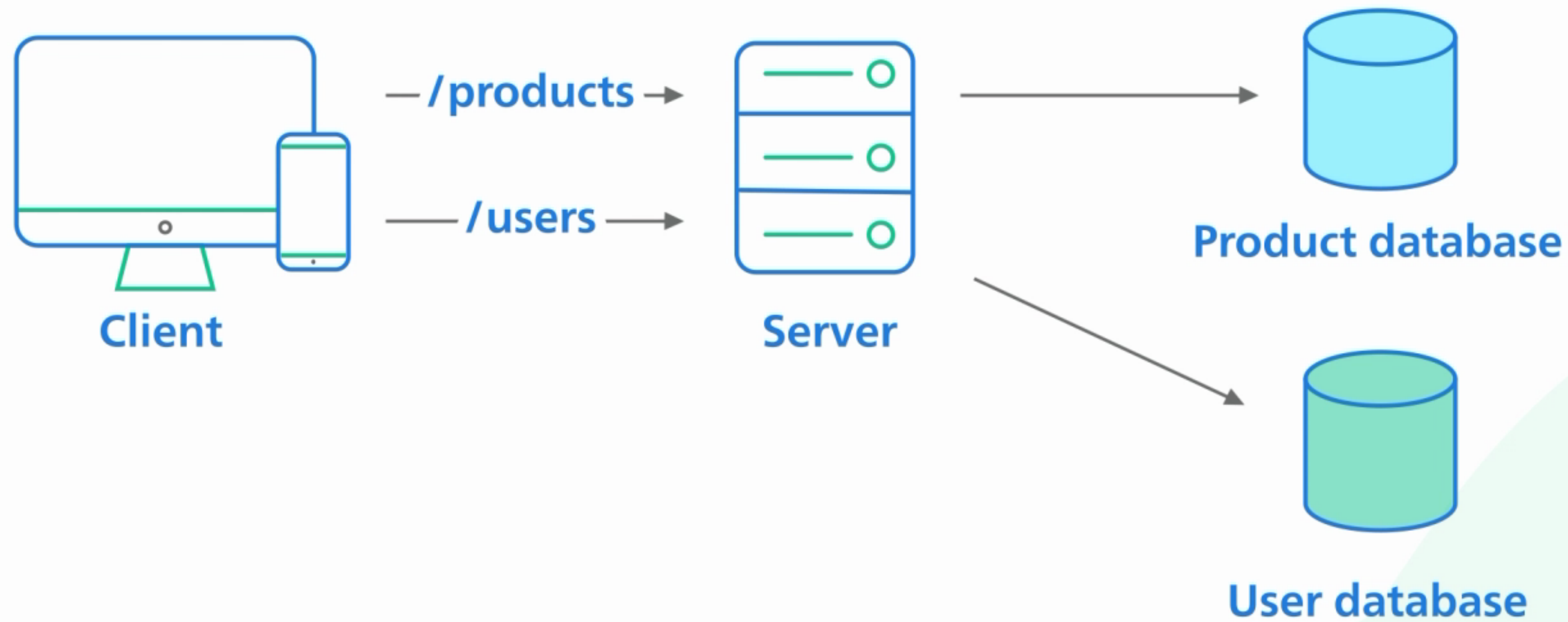
`https://example.com/api/v3/users`



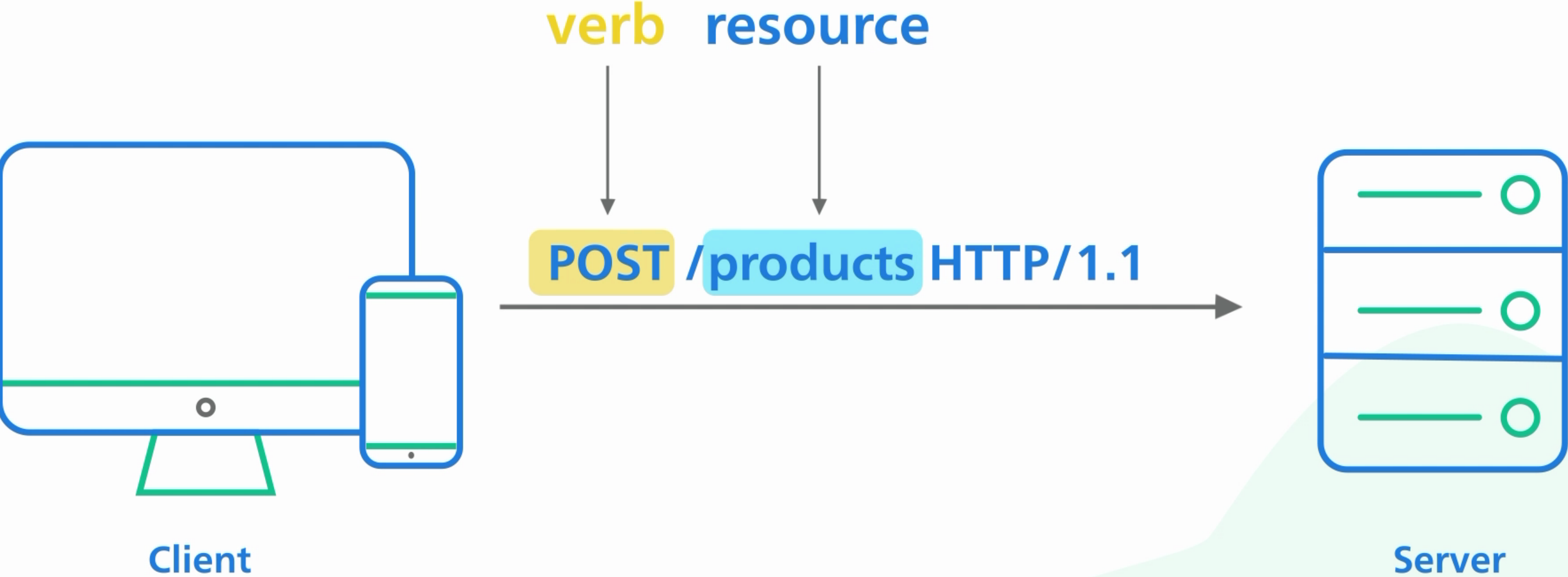
Why is RESTful API so popular

Resource

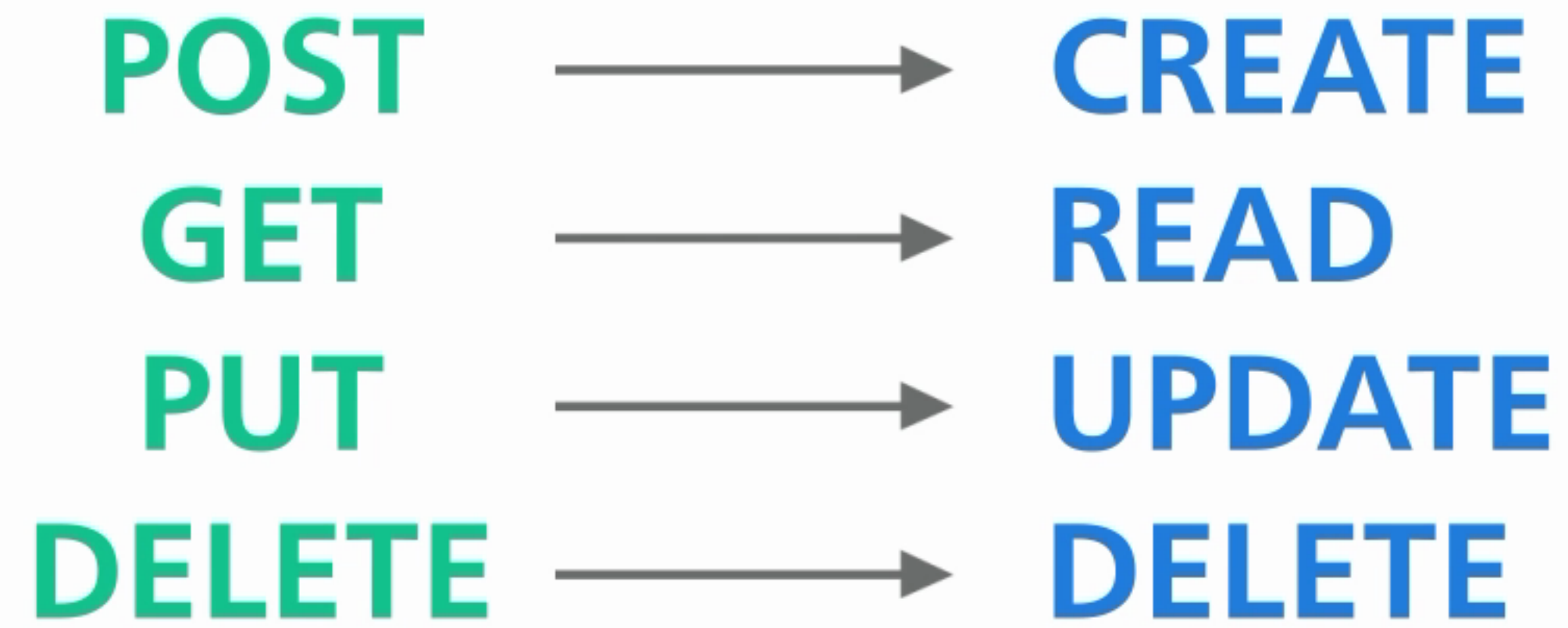
```
https://example.com/api/v3/products  
https://example.com/api/v3/users
```



Why is RESTful API so popular



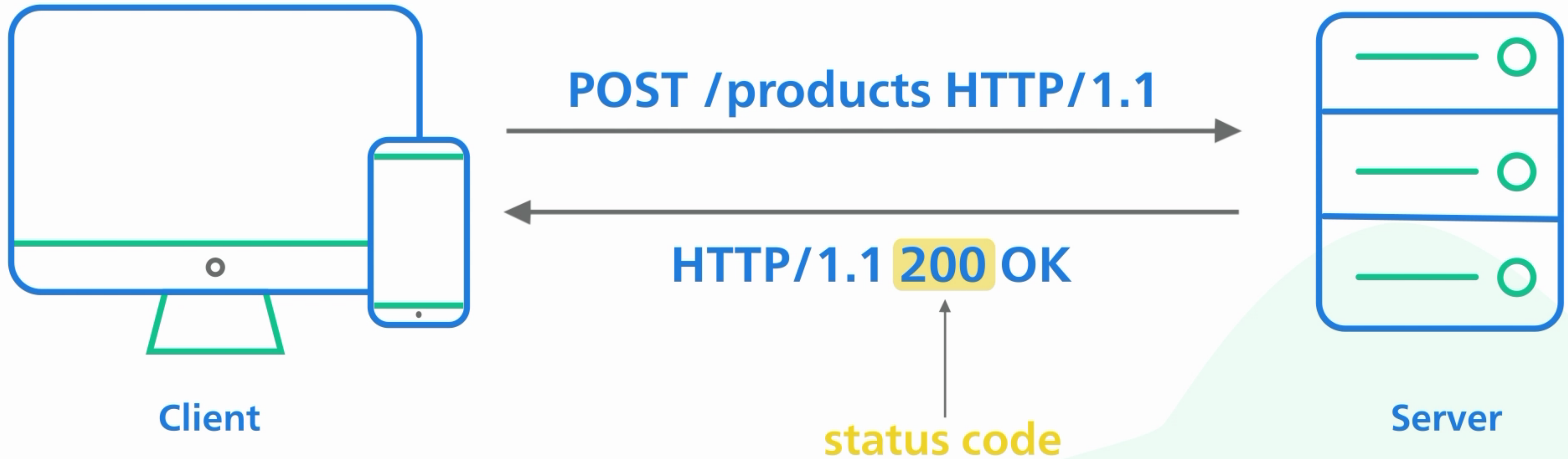
Why is RESTful API so popular



Why is RESTful API so popular



Why is RESTful API so popular



Status Code

200-level

Success

400-level

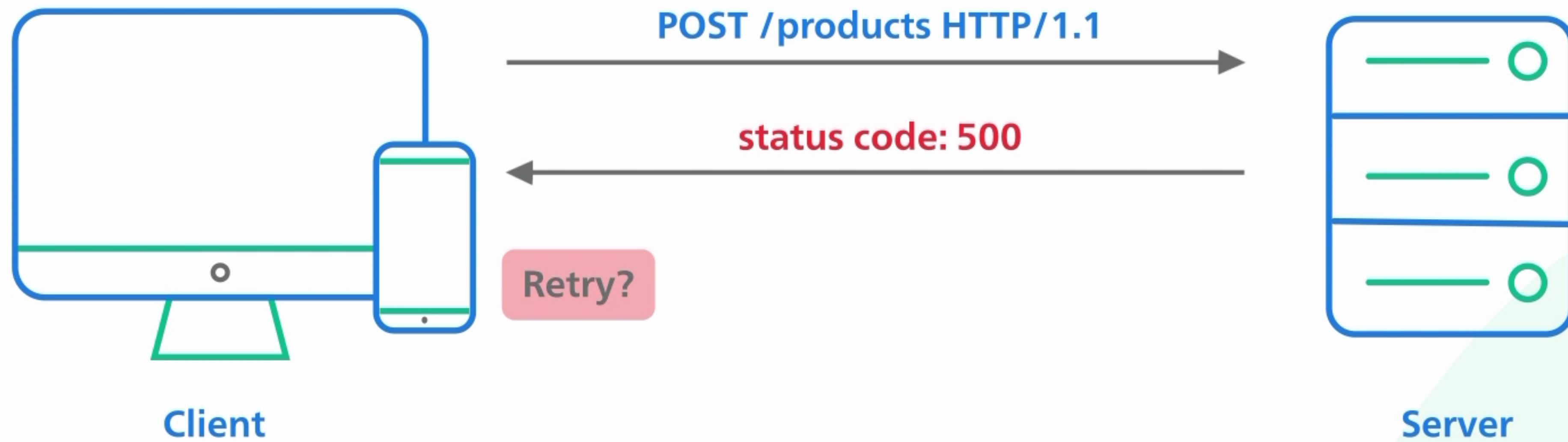
Something wrong with our request

500-level

Something wrong at the server level

Why is RESTful API so popular

Retry



Why is RESTful API so popular

POST

Not idempotent

GET

Idempotent

PUT

Idempotent

DELETE

Idempotent

Pagination



Why is RESTful API so popular

API Versioning



V1



V2



V3

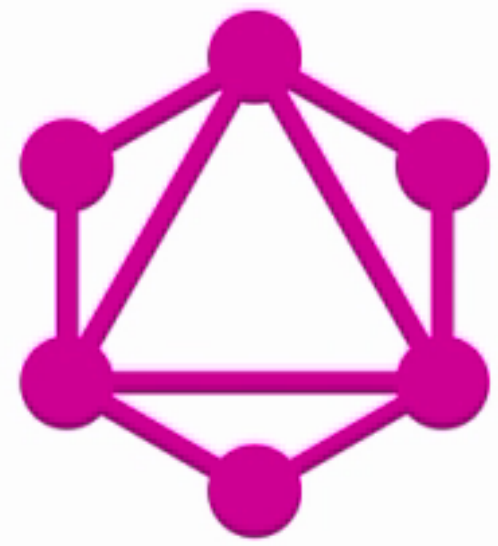
REST API Versioning

Why is RESTful API so popular

`/v1/products`

`/v2/products`

Other popular API options



GraphQL

 gRPC