

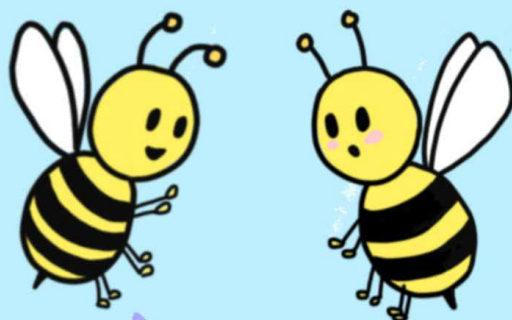
What is an API ?

@Rapid_API 

APIs (application programming interface) are the intermediary between two programs, and allow data to be transferred. APIs are very versatile and can be used on the web, databases, and operating systems.



Request



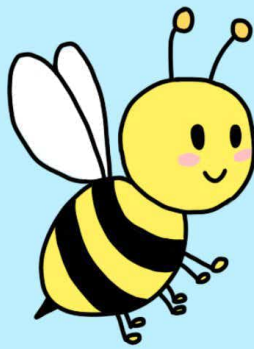
HEY!
We need some more
nectar (data) to make
our honey (app).

An API call is initiated.
This is the process of the client
app submitting a request to a
Server. APIs can be used to
share data, embed
content, and More.

Client



API



Server



Our worker bee acts like an API going to fetch the needed data for the Client.

APIs use HTTP protocols to transfer data.

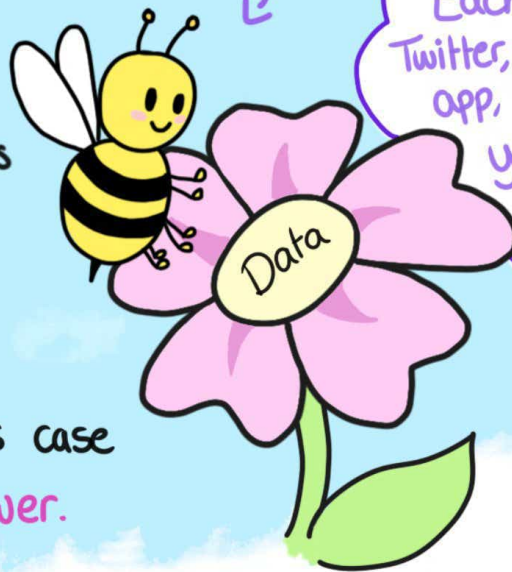
GET/nectar/pinkFlower



To find the right data, APIs have endpoints. Endpoints are essentially the URLs that navigate to the correct resource.

Our endpoint in this case is a pink flower.

Our bee (API)
collecting nectar
(data)



FACT

Each time you open up Twitter, google maps, a weather app, and so many more, you're using APIs. APIs are everywhere!

Response



As long as the server (Flower) can return the requested data (nectar) to the client successfully, then **mission accomplished!**

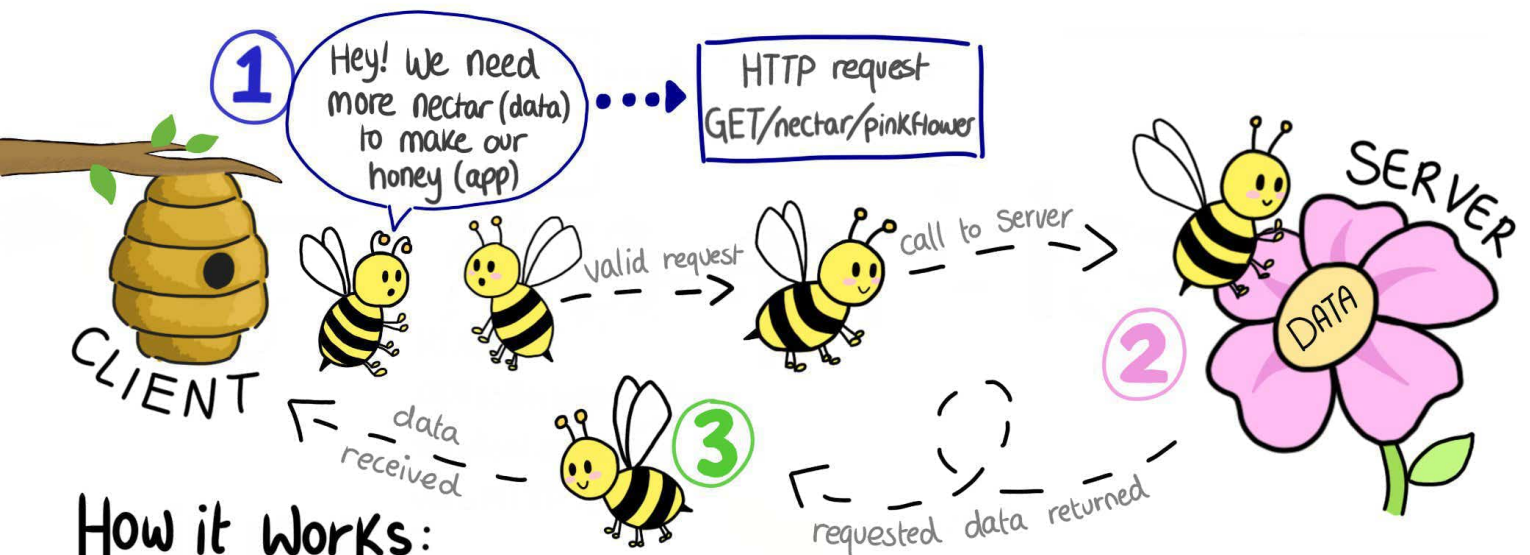
If the server can not return what the client asked for, the API will return the appropriate **error message.**



What is an API?

@Rapid_API 

An application programming interface allows two programs to communicate. On the web, APIs sit between an application and a web server, and facilitate the transfer of data.



How it Works:

- 1 Request**
API call is initiated by the Client application via a HTTP request
- 2 Receive**
Our worker bee acts as an API, going to a flower (server) to collect nectar (data)
- 3 Response**
The API transfers the requested data back to the requesting application, usually in JSON format