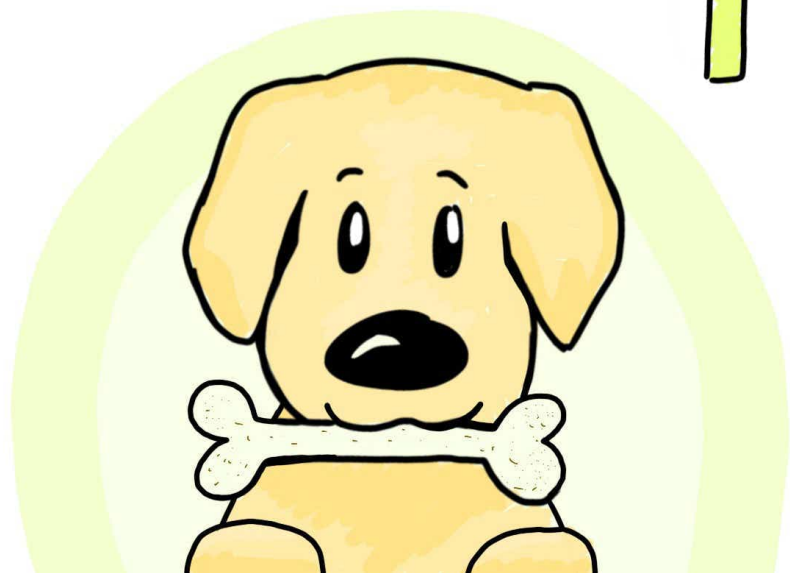



How API Endpoints Work



Firstly, what is an endpoint?

Endpoints are the communication touchpoints between the API and the server.

They are URLs that users can access to interact with specific resources and data.

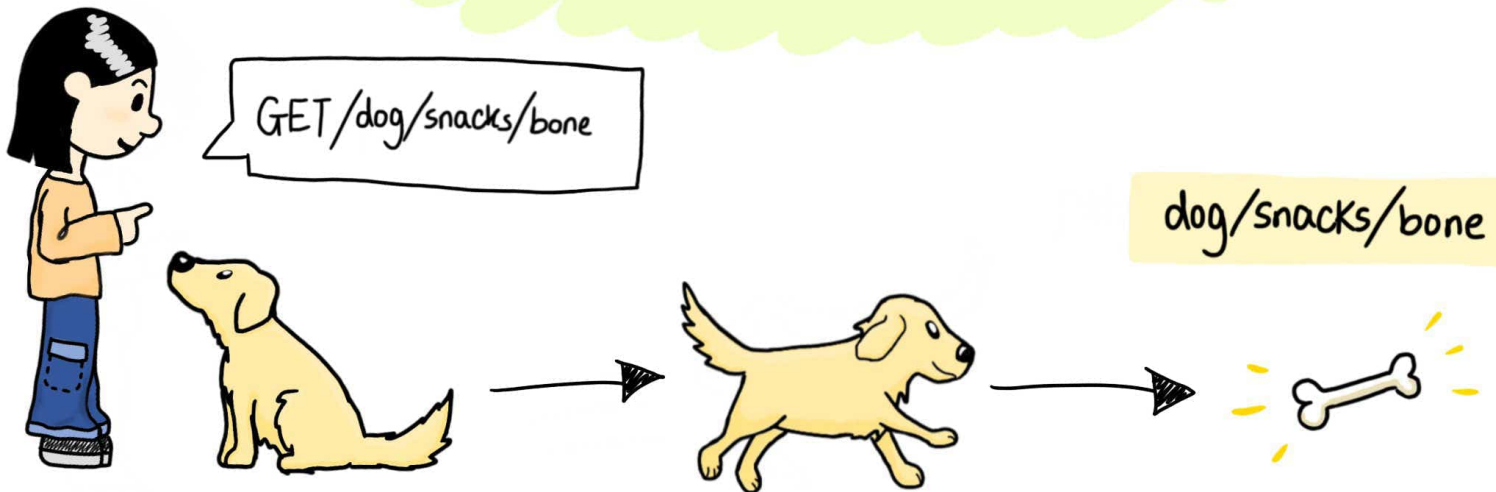
They typically look like this 

`pets/dog/snacks/bone`



The role of an endpoint:

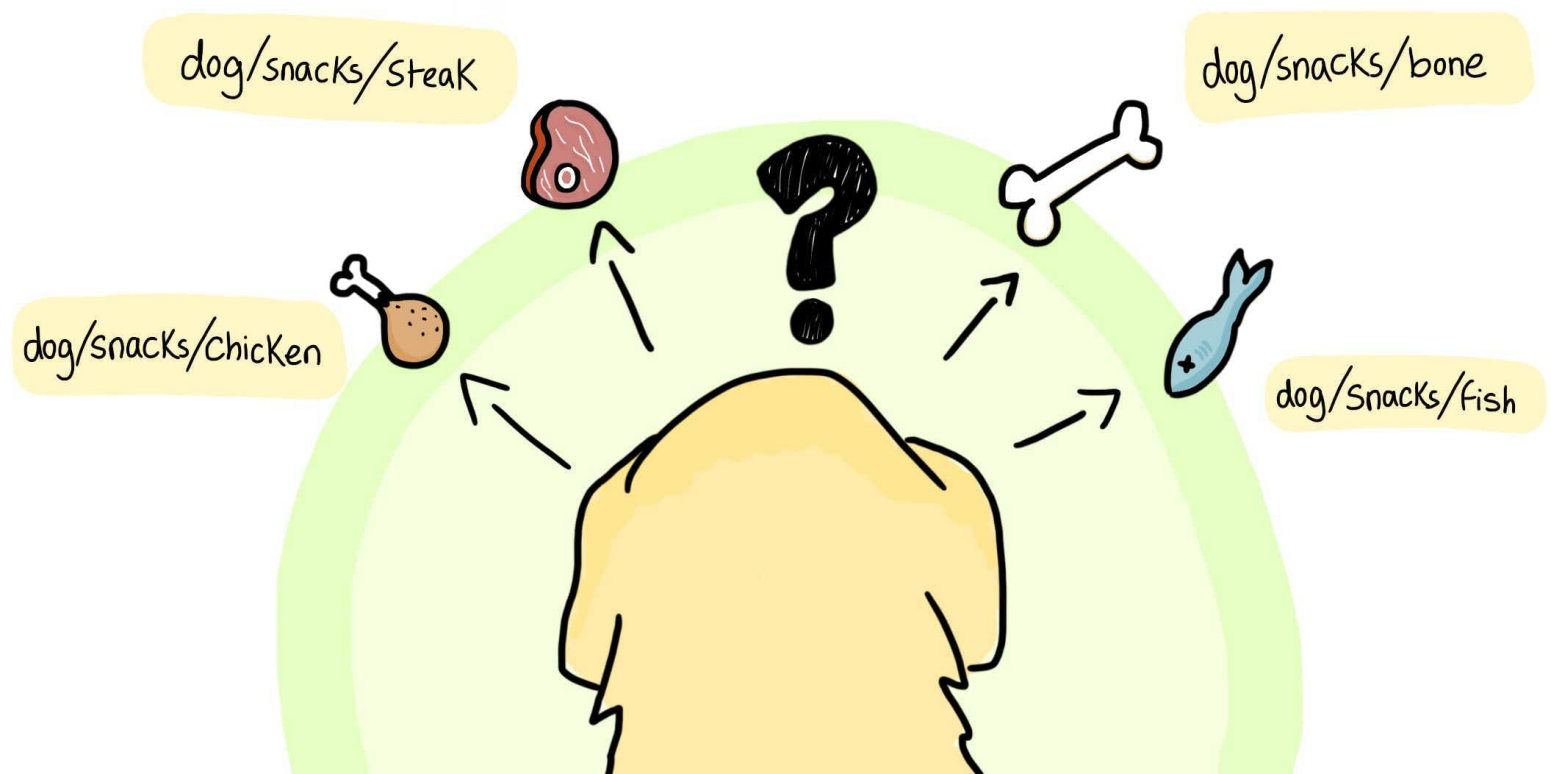
In this example, a resource is being fetched using the GET method.



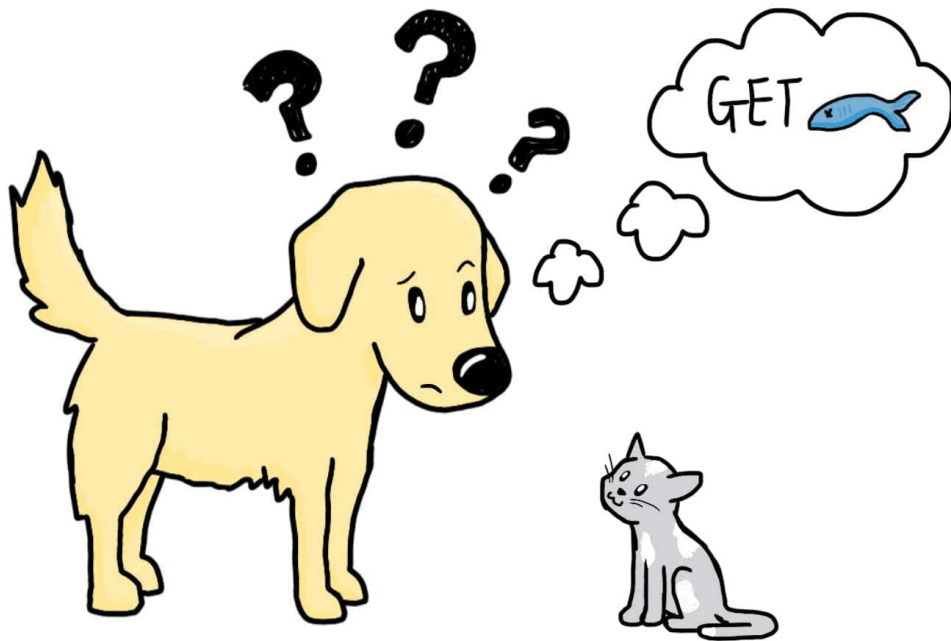
The endpoint dictates the location of a resource and is where the request is sent.

Each endpoint locates a unique piece of data.

APIs will have many endpoints representing different data, so its crucial that they are clearly named after the entity they represent.



If endpoints are faulty or inaccurate, the API will not be able to locate the correct resource.



How to Secure endpoints?

There are various simple ways to secure endpoints, such as:

- Use HTTPS
- Use one-way password hashing
- Use Input validation
- Utilize rate limiting

