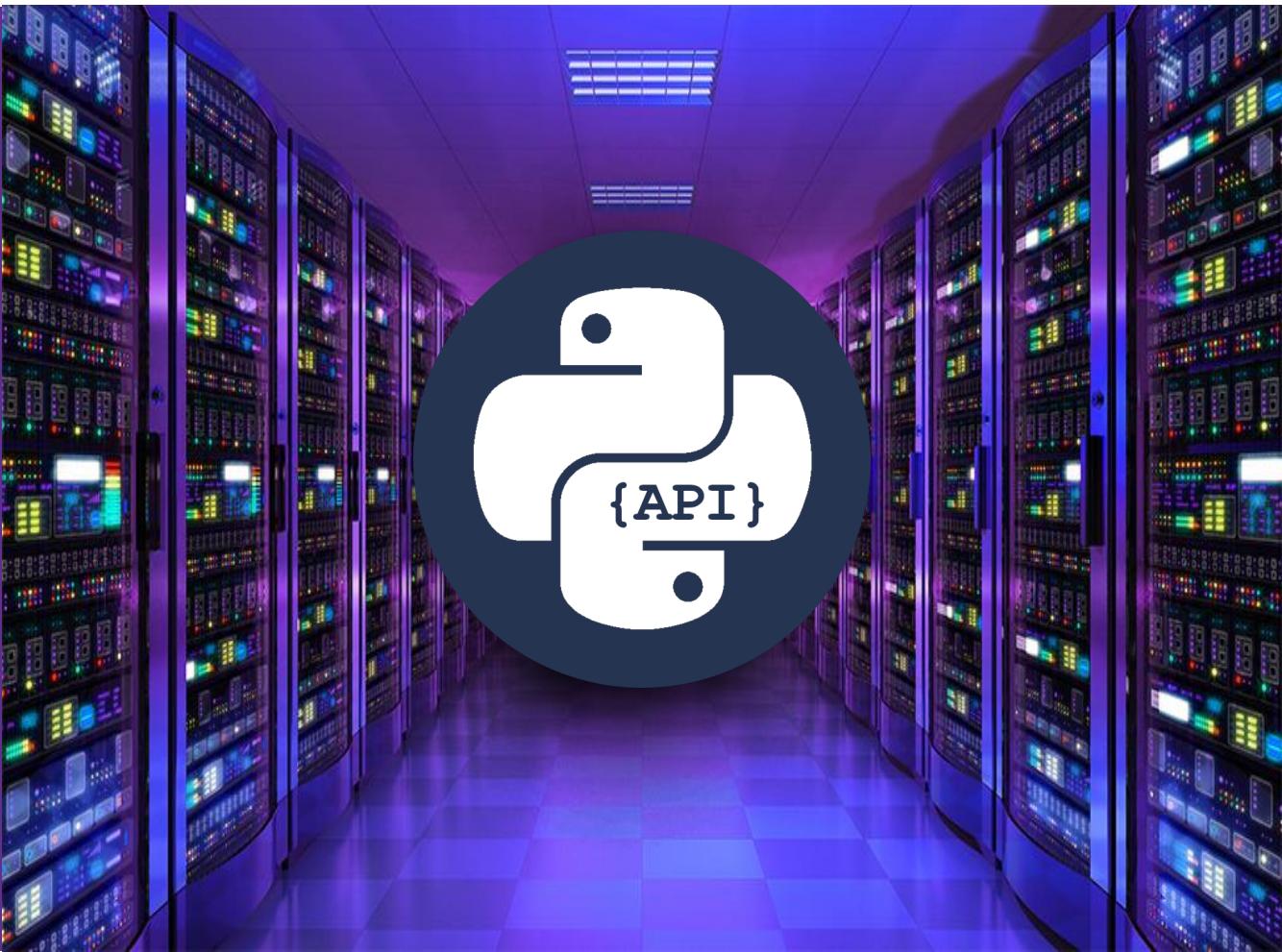


APIs

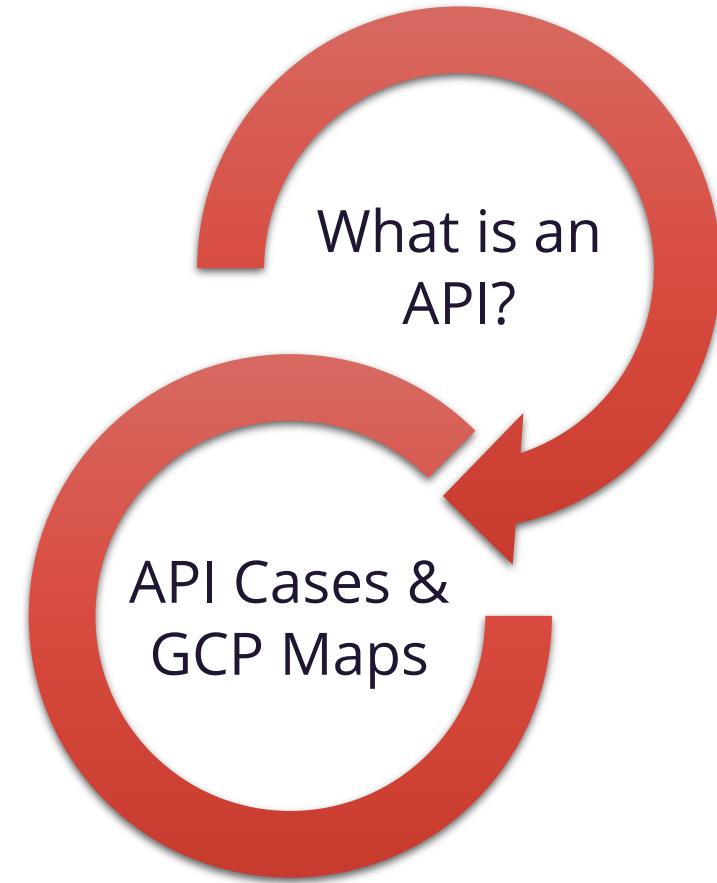
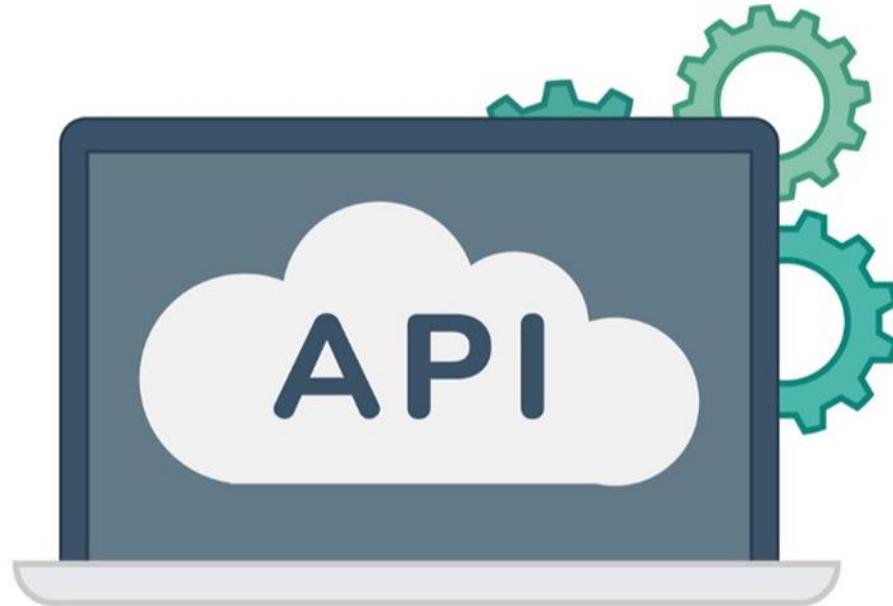
with Python Frameworks

Objectives

Data Wrangling with APIs



Unit Workflow



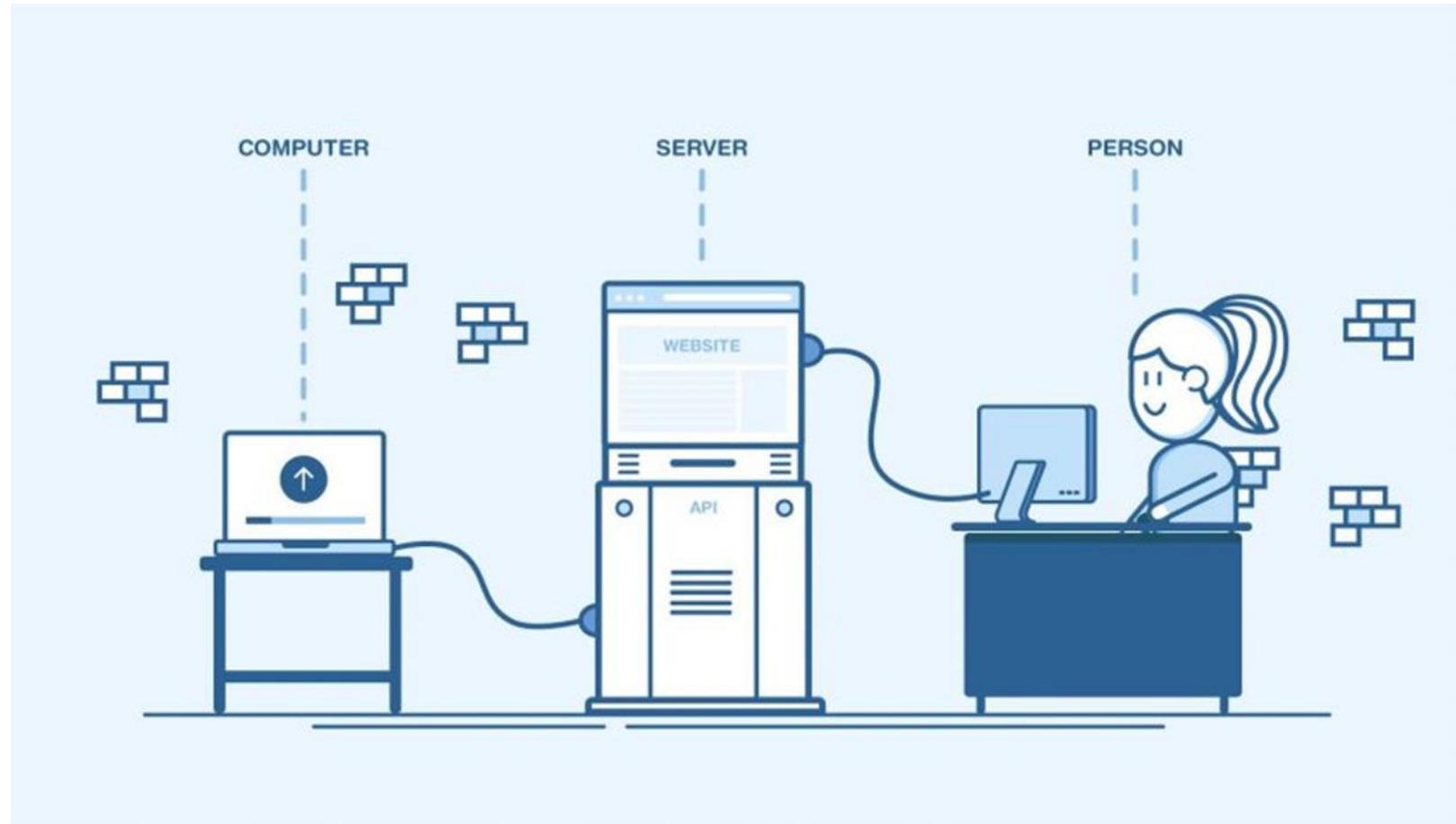
APIs

What are APIs

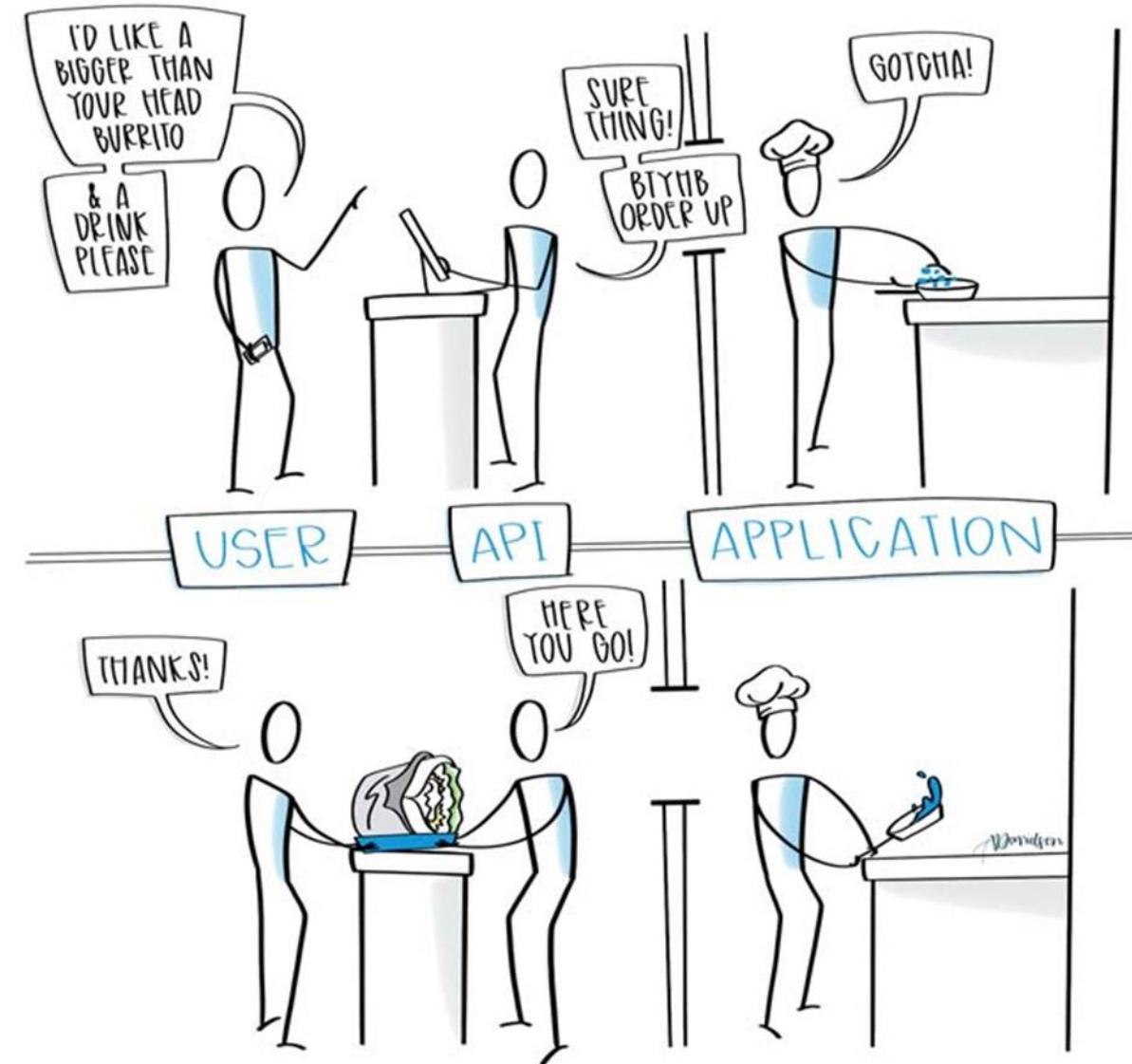
... the Restful concept

What is an API?

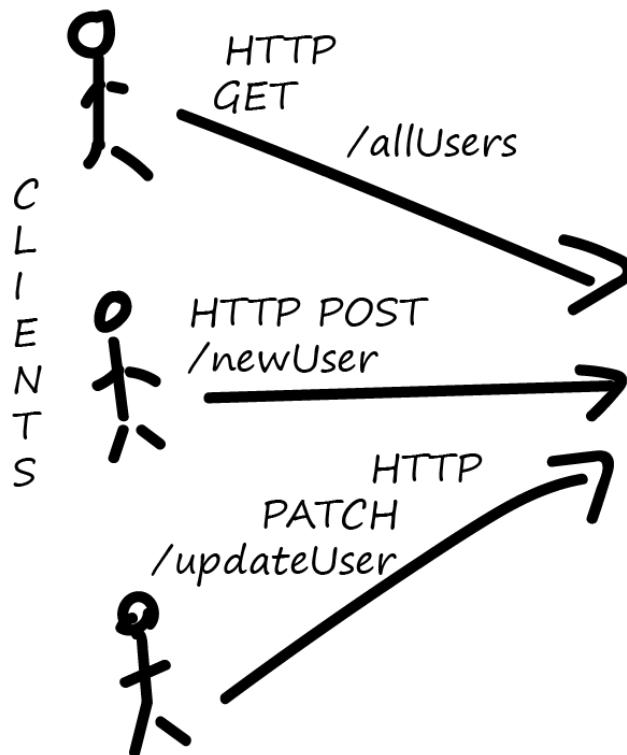
Application Programming Interface



How does it work?



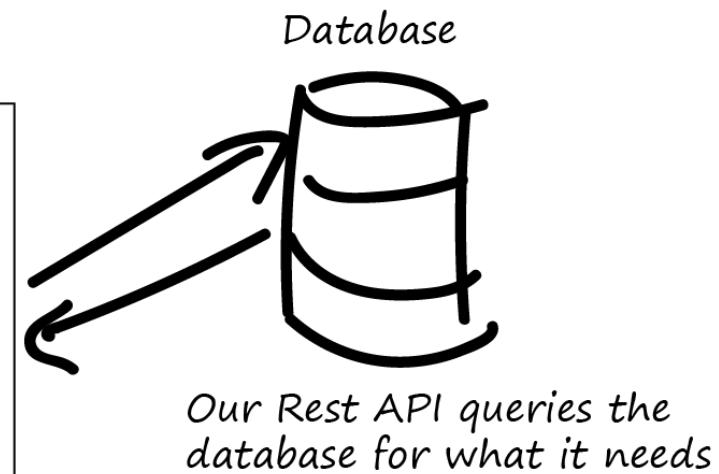
Rest API Basics



Our Clients, send HTTP Requests and wait for responses

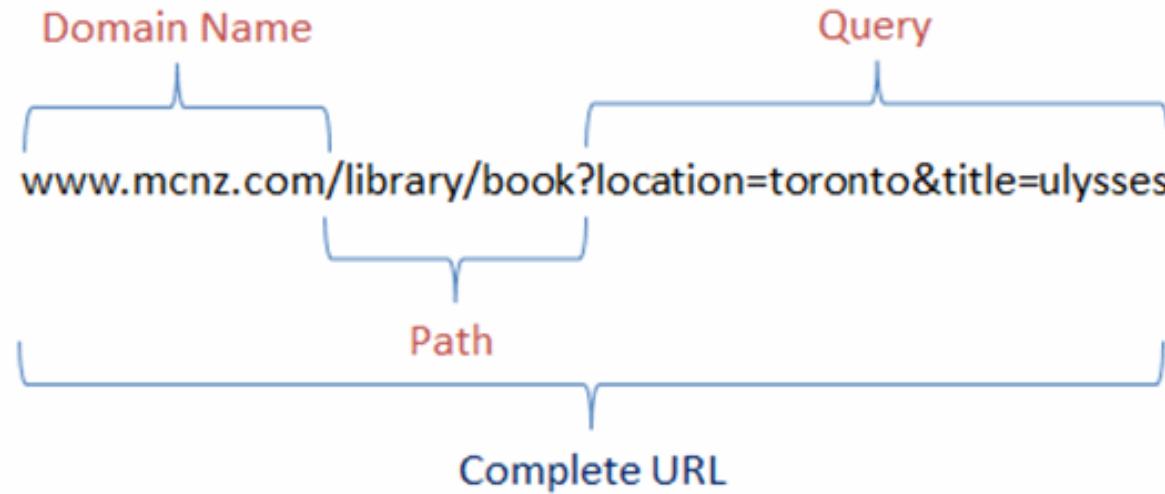
Rest API
Receives HTTP requests from Clients and does whatever request needs. i.e create users

Typical HTTP Verbs:
GET -> Read from Database
PUT -> Update/Replace row in Database
PATCH -> Update/Modify row in Database
POST -> Create a new record in the database
DELETE -> Delete from the database

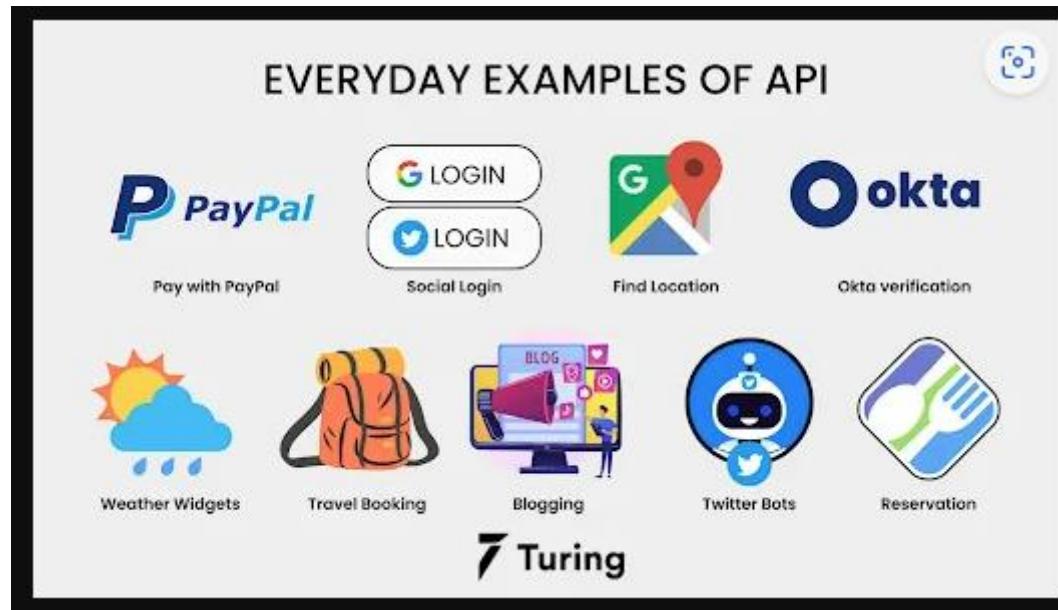


Response: When the Rest API has what it needs, it sends back a response to the clients. This would typically be in JSON or XML format.

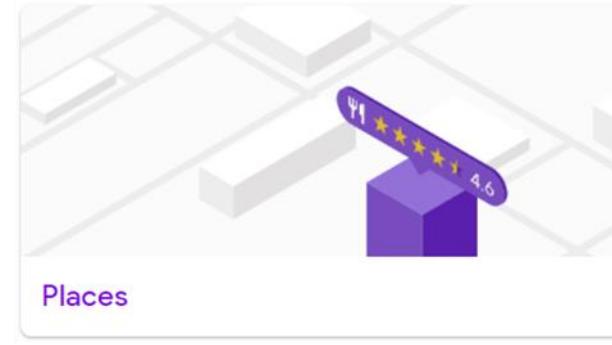
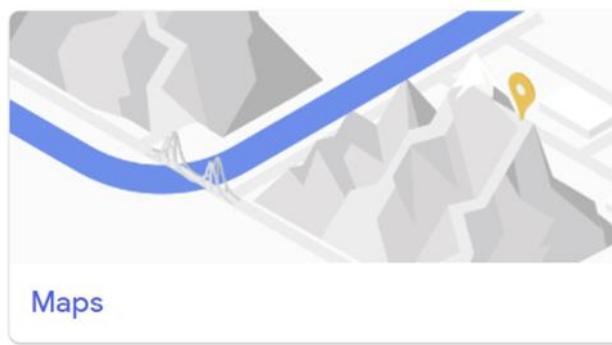
RESTful query parameters



RESTful query parameters



Google Maps Platform APIs



Maps

15 results



Directions API
Google Enterprise API [?](#)
Directions between multiple locations.



Distance Matrix API
Google Enterprise API [?](#)
Travel time and distance for multiple destinations.



Geocoding API
Google Enterprise API [?](#)
Convert between addresses and geographic coordinates.



Geolocation API
Google Enterprise API [?](#)
Location data from cell towers and WiFi nodes.



Maps Elevation API
Google Enterprise API [?](#)
Elevation data for any point in the world.



Maps Embed API
Google Enterprise API [?](#)
Make places easily discoverable with interactive Google Maps.



Maps JavaScript API
Google
Maps for your website



Maps SDK for Android
Google
Maps for your native Android app.



Maps SDK for iOS
Google
Maps for your native iOS app.



Maps Static API
Google Enterprise API [?](#)
Simple, embeddable map image with minimal code.



Places API
Google Enterprise API [?](#)
Get detailed information about 100 million places



Roads API
Google Enterprise API [?](#)
Snap-to-road functionality to accurately trace GPS breadcrumbs.