DS 2002

Diya Gupta

4/18/2025

How to Call My API

For this project, I used capital-time-api on my SSH in my GCP VM, to access local times for the capital cities and the UTC offset:

IP Address of my working API: **34.150.252.67**

Token: **supersecrettoken123**

In order to call the API, the following command needs to be run in Bash (SSH or PowerShell or command prompt):

curl -H "Authorization: Bearer supersecrettoken123"
http://34.150.252.67:5000/api/time?city=Tokyo

In my app.py code, I input the following capital cities:

capital_timezones = {

   "London": "Europe/London",

   "Paris": "Europe/Paris",

   "Berlin": "Europe/Berlin",

   "New Delhi": "Asia/Kolkata",

   "Tokyo": "Asia/Tokyo",

   "Canberra": "Australia/Sydney",

   "Washington": "America/New_York",

   "Ottawa": "America/Toronto",

   "Brasilia": "America/Sao_Paulo",

   "Cairo": "Africa/Cairo",

   "Beijing": "Asia/Shanghai",

   "Moscow": "Europe/Moscow"

}

Therefore, if the correct token is selected for city in the database, the user would get the following result with the local time and the UTC offset in JSON:

C: \Users\d.gupta>curl -H "Authorization: Bearer supersecrettoken123" "http://34.150.252.67:5000/api/time?city=Tokyo"

{"city": "Tokyo", "local_time": "2025-04-19 04:10:59", "utc_offset": "+0900"}

 If you enter a city/capital city that is not in the database, you get the following message in JSON:

C: \Users\d.gupta>curl -H "Authorization: Bearer supersecrettoken123" "http://34.150.252.67:5000/api/time?city=D"

{"error": "City 'DC' not found in database"}

Or if you do not know the token/enter incorrect token, you get the following 'unauthorized' message in JSON:

C: \Users\d.gupta>curl -H "Authorization: Bearer 123" "http://34.150.252.67:5000/api/time?city=Budapest"

{"error": "Unauthorized"}