

SDET-QA: ISTQB

Weather API - OpenWeat!

openweathermap.org/api

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Please, [sign up](#) to use our fast and easy-to-work weather APIs. As a start to use OpenWeather products, we recommend our [One Call API 3.0](#). For more functionality, please consider our products, which are included in [professional collections](#).

One Call API 3.0

API doc

Subscribe

Pay as you call

Make an API call to receive access to the various data:

- **Current weather and forecasts:**
  - minute forecast for 1 hour
  - hourly forecast for 48 hours
  - daily forecast for 8 daysand government weather alerts
- **Weather data for any timestamp** for 40+ years historical archive and 4 days ahead forecast

1,000 API calls per day for free

0.0012 GBP per API call over the daily limit

Subscribe

Search

ENG IN

17:35

04-02-2024

Parameterization Thread Group.jmx (C:\Users\AD\apache-jmeter-5.6.3\bin\Parameterization Thread Group.jmx) - Apache JMeter (5.6.3)

File Edit Search Run Options Tools Help

00:00:01 0 0/1

Test Plan

- Thread Group
  - City name
  - View Results Tree
  - city id
  - User Defined Variables

### HTTP Request

Name: city id

Comments: we can define apikey or like \${city id country apikey}

Basic Advanced

Web Server

Protocol [http]: https Server Name or IP: api.openweathermap.org Port Number:

HTTP Request

GET Path: /data/2.5/weather?id=2172797&APPID=bd7f413abdadde68a8a41b65398d57b7 Content encoding:

☐ Redirect Automatically ☒ Follow Redirects ☒ Use KeepAlive ☐ Use multipart/form-data ☐ Browser-compatible headers

Parameters Body Data Files Upload

Send Parameters With the Request:

Name:	Value	URL Encode?	Content-Type	Include Equals?
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Detail Add Add from Clipboard Delete Up Down

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Thread Group  
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Name: Cuty name  
Comments:

Basic Advanced

Web Server  
Protocol [http]: https Server Name or IP: api.openweathermap.org Port Number:

HTTP Request  
GET Path: /data/2.5/weather?q=\${city}.\${country}&APPID={apikey} Content encoding:

☐ Redirect Automatically ☒ Follow Redirects ☒ Use KeepAlive ☐ Use multipart/form-data ☐ Browser-compatible headers

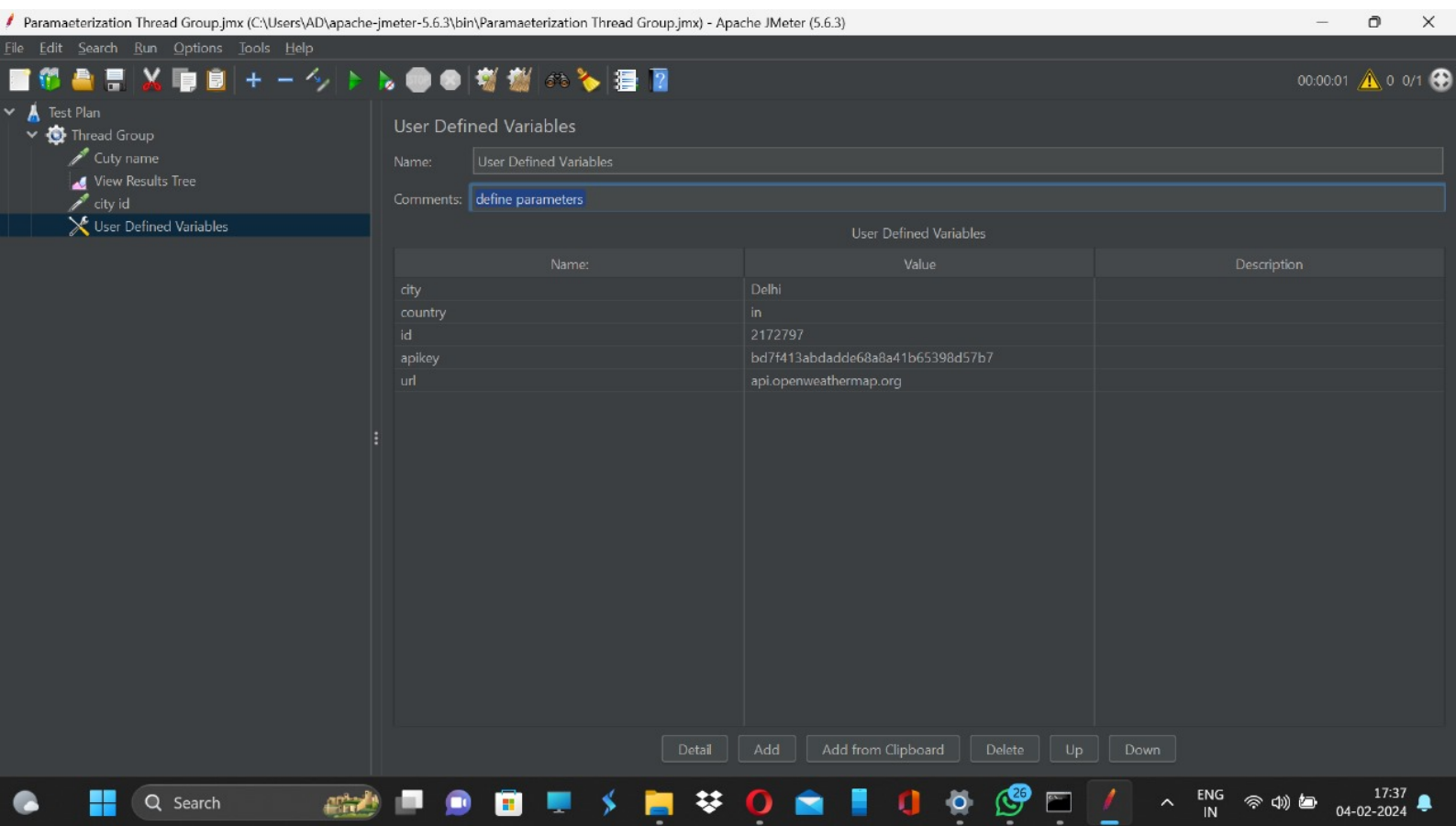
Parameters Body Data Files Upload

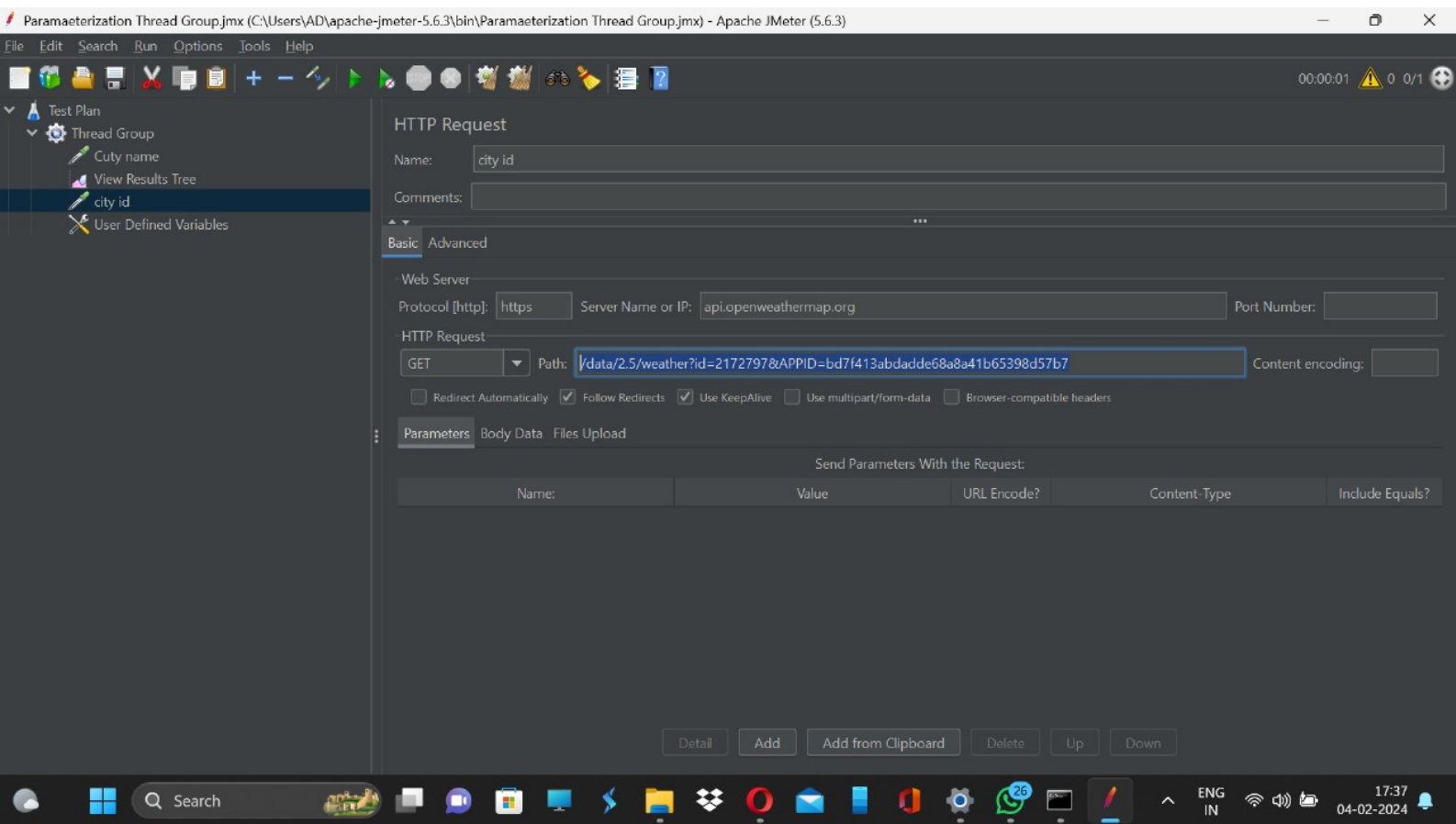
Send Parameters With the Request:

Name:	Value	URL Encode?	Content-Type	Include Equals?
appid	bd7f413abdadde68a8a41b65398d57b7	<input type="checkbox"/>	text/plain	<input checked="" type="checkbox"/>

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Test Plan  
Thread Group  
Cutty name  
View Results Tree  
city id  
User Defined Variables

### View Results Tree

Name: View Results Tree

Comments:

Write results to file / Read from file

Filename   Log/Display Only: ☐ Errors ☐ Successes

Search:  ☐ Case sensitive ☐ Regular exp.

Text

- ✓ Cutty name
- ✓ city id

Sampler result Request **Response data**

**Response Body** Response headers

☐ Case sensitive ☐ Regular exp.

```
{
  "coord": {
    "lon": 145.7667,
    "lat": -16.9167
  },
  "weather": [
    {
      "id": 802,
      "main": "Clouds",
      "description": "scattered clouds",
      "icon": "03n"
    }
  ],
  "base": "stations",
  "main": {
    "temp": 300.51,
    "feels_like": 305.06,
    "temp_min": 299.88,
    "temp_max": 301.12,
    "pressure": 1008,
    "humidity": 91,
    "visibility": 10000,
    "wind": {
      "speed": 2.57,
      "deg": 170
    },
    "clouds": {
      "all": 40
    },
    "dt": 1707047979,
    "sys": {
      "type": 1,
      "id": 9490,
      "country": "AU",
      "sunrise": 1706990784,
      "sunset": 1707036903,
      "timezone": 36000,
      "id": 2172797,
      "name": "Cairns",
      "cod": 200
    }
  }
}
```

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