BlueDot DaaS Demo

Scenario

A client wants to show all the disease activity in Brazil in the past 30 days then use Excel to set data refresh interval and visualize the result on map.

Steps to demo how to use the BlueDot DaaS developer portal

To get all the disease activity in Brazil in the past 30 days, the developer needs to invoke “Notification” endpoint API. This can be done from any modern programming language but for the purpose of this demo and to get familiar with how to invoke the BlueDot DaaS APIs, these steps can be followed:

1. Login to <https://developer-portal.bluedot.global/> with your username and password
2. Click on BlueDot.Daas.Notification.Api
3. Click on Notification
4. Click on Try it
5. Let’s assume today is 2021-11-19

Graphical user interface, text, application, Word

Description automatically generated

Here you notice that the endpoint needs startDate as mandatory input field and endDate as optional input field. The date of today is the default value of the endDate if it is left empty, which is 2021-11-19 in our use case assumption scenario. So, let’s enter 2021-10-19 as we want the disease activity in Brazil in the past 30 days.

1. Make sure the Subscription key is selected and your primary or secondary field is shown in the Ocp-Apim-Subscription-Key request header
2. Click “Try it”
3. The API will return the result in the http response after clicking Send
4. Notice that the result is all the disease activities since 2021-10-19

Text, letter

Description automatically generated

Steps to demo how to invoke BlueDot DaaS APIs from Excel, visualize it on map and schedule the data refresh

1. Open Excel
2. From Home menu, click on “Get Data” then “From Other Sources”, the “From Web”

Graphical user interface, application

Description automatically generated

1. To invoke the “Notification” API from Excel, copy the API endpoint, Ocp-Apim-Subscription-Key and your key from BlueDot DaaS developer portal and place it in the Excel URL parts

Graphical user interface, application

Description automatically generated

1. In Excel, click “Get Data” then paste the URL of the endpoint:

Text

Description automatically generated with medium confidence

1. Select Advanced and enter Ocp-Apim-Subscription-Key and your key in the header, then click OK

Graphical user interface, text, application, email

Description automatically generated

1. After clicking OK, the API will be invoked, and the result will appear in Excel, then click To Table and OK

A screenshot of a computer

Description automatically generated

1. Click on the Expand  and remove the “Use original column name as prefix” checkbox, click OK

Graphical user interface, application

Description automatically generated

1. The result will be shown as below. To filter Brazil only, click  on the loationName as select Brazil then click OK

A screenshot of a computer

Description automatically generated with medium confidence

1. The filtered result will look like this

A screenshot of a computer

Description automatically generated

1. Click Close & Load
2. Notice the result will be loaded in a spreadsheet

A screenshot of a computer

Description automatically generated

1. Let’s set Data Refresh for each 60 minutes by clicking on Connection Properties

Graphical user interface, application, Teams

Description automatically generated

1. Select Refresh every 60 minutes. Note that you can select any refresh period that suites you

Graphical user interface, text, application, email

Description automatically generated

1. Notice that Excel will invoke the BlueDot DaaS Notification API every 60 minutes and if BlueDot publish new Notification Disease Activity, the result will appear in your Excel spreadsheet
2. To visualize the result on map, you can use Excel 3D Map by clicking on Insert then 3D Map then Open 3D Map

A screenshot of a computer

Description automatically generated

1. The map will be shown with the filtered places in Brazil and whenever BlueDot publish new Notification for disease activity, it will appear on your map after the refresh rate that you setup above

Map

Description automatically generated