BlueDot DaaS Demo

Scenario

A client wants to show whether COVID-19 has increased or decreased in the past 7 days in Illinois in Excel.

Steps to demo how to use the BlueDot DaaS developer portal

To get the COVID-19 cases in the Illinois, the developer needs to invoke “Daily case count in a location” endpoint API in BlueDot.Daas.CaseCount.Api or COVID cases in BlueDot.Daas.Covid.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 APIs, these steps can be followed:

1. Login to <https://developer-portal.bluedot.global/> with your username and password
2. The COVID cases in BlueDot.Daas.Covid.Api will not be followed in this demo. However, to give idea about what the result you can get from this API is shown in this screenshot below. This API is limited to be used in some BlueDot DaaS product subscription tiers as explained here ([Products: List - BlueDot Developer Portal](https://developer-portal.bluedot.global/products)):  
   Text

   Description automatically generated
3. Click on BlueDot.Daas.CaseCount.Api
4. Click on Daily case count in a location
5. Click on Try it

Graphical user interface, text, application, email

Description automatically generated

Here you notice that the endpoint needs diseaseId and locationId and startDate as mandatory fields. So, let’s get the Illinois and COVID-19 locationId and diseaseId from the Lookup APIs respectively.

1. Select BlueDot.Daas.Lookup.Api from the APIs drop down list and select “Locations by name and type” endpoint API and click “Try it”
2. Enter “Illinois” and “Province” in the input parameters and click “Send”

Graphical user interface, text, application, Word

Description automatically generated

1. The API will return the result

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The id field is the locationId of Illinois, which is 4896861

1. Now let’s get the diseaseId of COVID-19 by selecting “Diseases by name” endpoint API and enter “COVID” in the name parameter then click “Send”

Graphical user interface, text, application

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1. The result is as below. The id is the diseaseId, which is 200

A picture containing text

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1. Let’s head back to BlueDot.Daas.CaseCount.Api to invoke “Daily case count in a location” and click “Try it” and enter 200 in the diseaseId and 4896861 in the locationId to the daily case count in Illinois
2. Let’s assume today is 2021-11-19 so this will be the endDate and the startDate will be 2021-11-12 as we need to get the last 7 days cases as in this demo scenario

Graphical user interface, application

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1. The result is something like this

Text, letter

Description automatically generated

Steps to demo how to invoke BlueDot DaaS APIs from Excel

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 “Daily case count in a location” 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:

Graphical user interface, application

Description automatically generated

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

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

Graphical user interface, text, application

Description automatically generated

1. The result will be shown as below

A screenshot of a computer

Description automatically generated with medium confidence

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

Graphical user interface

Description automatically generated

1. You could do simple calculation to find if the Reported Cases increased or decreased by subtracting the numbers

Graphical user interface, application

Description automatically generated

Do almost same steps for any other APIs to get e.g., Case Count, COVID-19, Disease, Importation/Exportation and Lookup APIs then design your Power BI/Excel/ Tableau... etc. reports/dashboards or use your preferred modern programing language to invoke the BlueDot DaaS APIs and display the result in your application to match your requirements and design.