

DEMO 2: REST API call to ADLSgen2

This demo shows how easy it is to setup REST API call and then regularly store data in ADLSgen2.

Step 1: Setup REST connection

Assume you have the ADLSgen2 ready, create below connections

Edit Linked Service (REST)



Name *

SGgovtWeather

Description

Connect via integration runtime *



AutoResolveIntegrationRuntime



Base URL *

<https://api.data.gov.sg/v1/environment/24-hour-weather-forecast?>

Authentication type *

Anonymous



Server Certificate Validation



☒ Enable

☐ Disable

Annotations

+ New

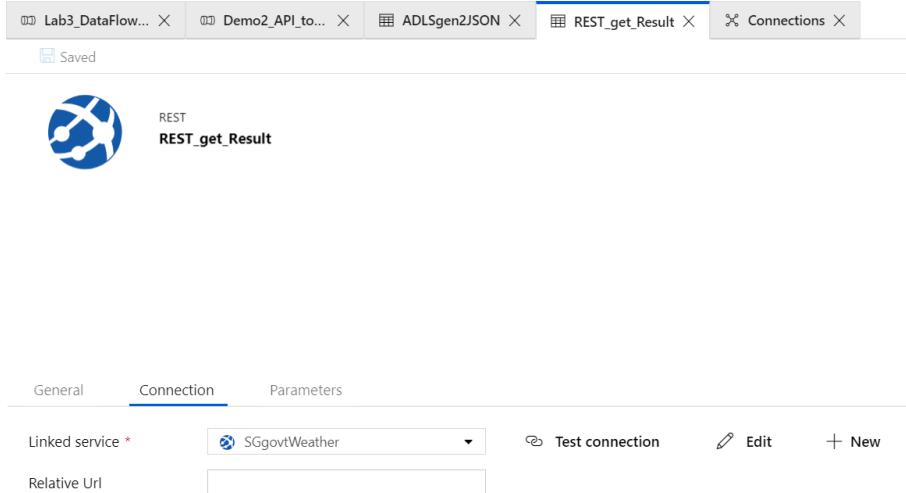
► Advanced ⓘ

Using this API call does not require authentication.

<https://api.data.gov.sg/v1/environment/24-hour-weather-forecast?>

Step 2: Define dataset of API call

Assume you have the ADLSgen2 ready, create below connections

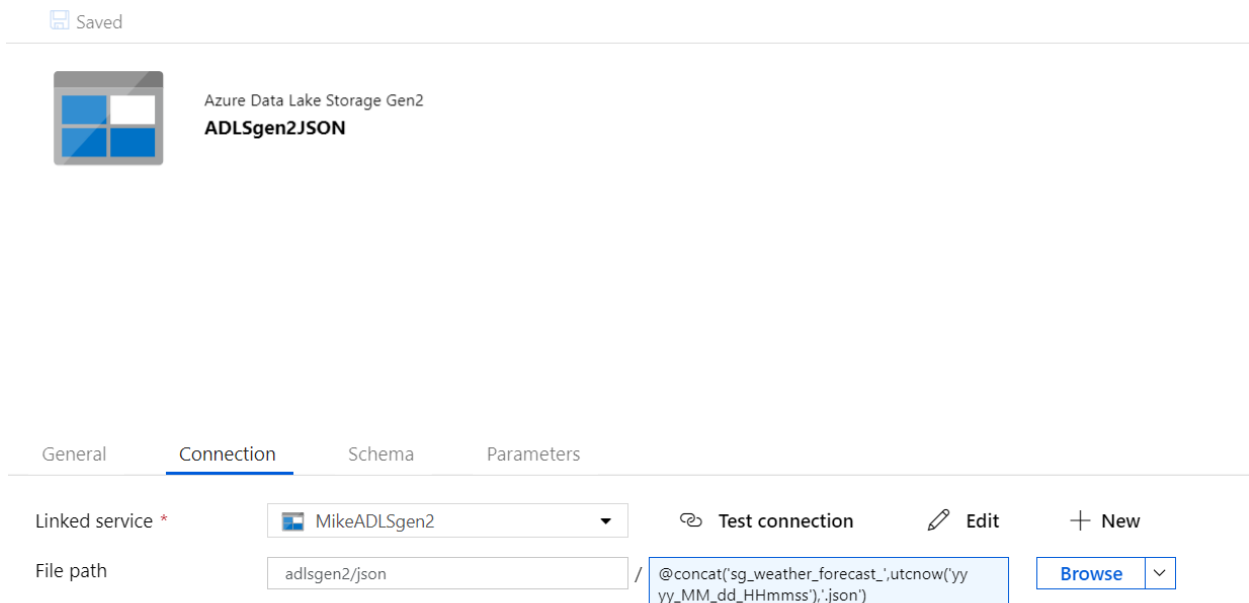


The screenshot shows the 'Connections' tab in the Azure Data Factory portal. A connection named 'REST_get_Result' is selected. The 'General' tab is active, showing the 'Linked service' as 'SGgovtWeather' and the 'Relative Url' field. Buttons for 'Test connection', 'Edit', and '+ New' are visible.

The REST will not require schema

Step 3: Define a dataset of output file

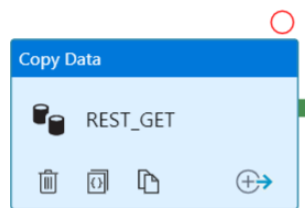
After that we will define a new File format for output JSON file. As we need the file name to be controlled dynamically, we could use the regular expression for that purpose.



The screenshot shows the 'Dataset Definition' tab in the Azure Data Factory portal for a dataset named 'ADLSgen2JSON'. The 'General' tab is active, showing the 'Linked service' as 'MikeADLSgen2' and the 'File path' as 'adlsgen2/json'. A 'Browse' button is visible next to the file path field. The 'Schema' tab is also visible, showing a schema definition for the dataset.

```
@concat('sg_weather_forecast_',utcnow('yyyy_MM_dd_HHmss'),'json')
```

Step 4: Setup a Copy Data per below



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General
Source
Sink
Mapping
Settings
User Properties

Source dataset *
REST_get_Result
Edit
+ New
Preview data

Request Method *
GET

Request Body

Once it is executed, it will perform the GET request and feedback the result set; then the Copy Data will automatically place the response in ADLSgen2 in defined file naming convention

adlsgen2 > json			
Name	Last Modified	Content Type	Size
sg_weather_forecast_2019_08_21_202002.json	8/22/2019, 4:20:11 AM		1.4 KB
sg_weather_forecast_2019_08_21_203003.json	8/22/2019, 4:30:16 AM		1.4 KB
sg_weather_forecast_2019_08_21_204002.json	8/22/2019, 4:40:13 AM		1.4 KB
sg_weather_forecast_2019_08_21_205002.json	8/22/2019, 4:50:11 AM		1.4 KB