How to Convert JSON File to CSV File in Azure Data Factory - ADF Tutorial 2021

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In this article, we are going to learn how to convert JSON file to CSV file in the Azure data factory, let's start the demonstration, as we have the .JSON file in our Input container, now we have to convert this .JSON file to .CSV file, first of all, we have to create a folder for our CSV file, let's make a folder, go to the blob storage, then click on container under the data storage tab then click on + Container button, it will open a window at the right side of the dashboard, then name the container, and then click create, in my case I have made a folder named output, s shown in the picture below.

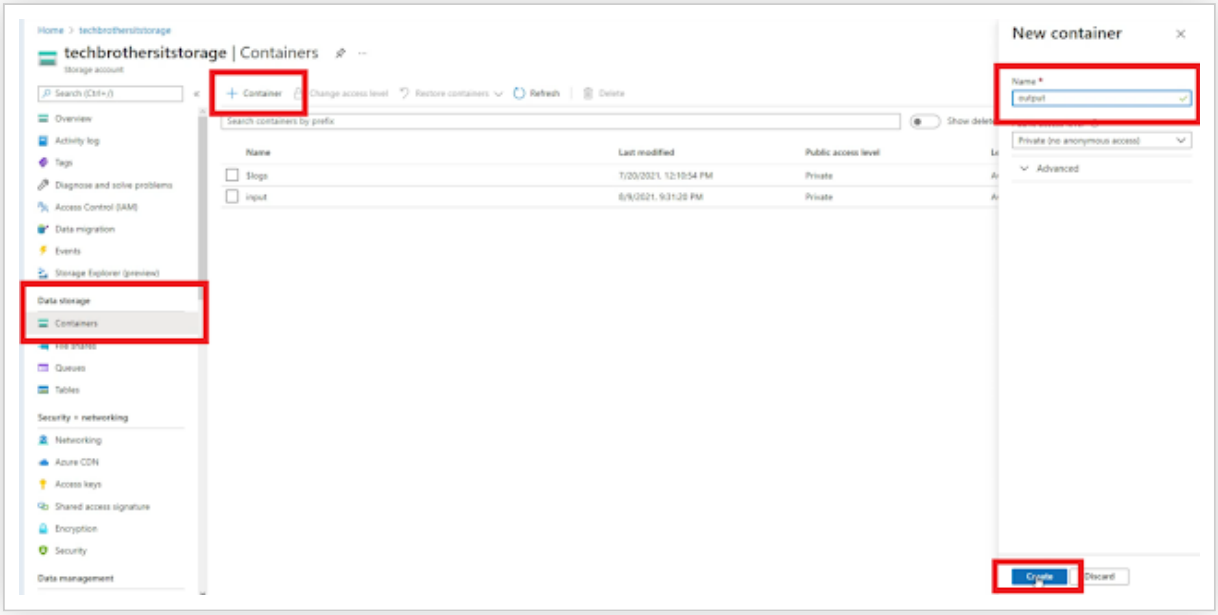

Fig-1: Create a folder for CSV file as output folder.

Once we created our destination folder let's go to the Azure data factory and make a new pipeline, to create a pipeline click on Pipeline, then click on New pipeline, name the pipeline and search for copy data activity and drag into the working window, then click on copy data activity and go to the source, as shown in the picture below, and here in the source click on the new source dataset, select azure blob storage and then click on continue, select the JSON file which is our input file, then click on continue, name the file, and create a new link service, click on new then select the Azure subscription and storage account name and test the connection and then click create, then select the input file path, select From connection/store as import schema, and then click ok.

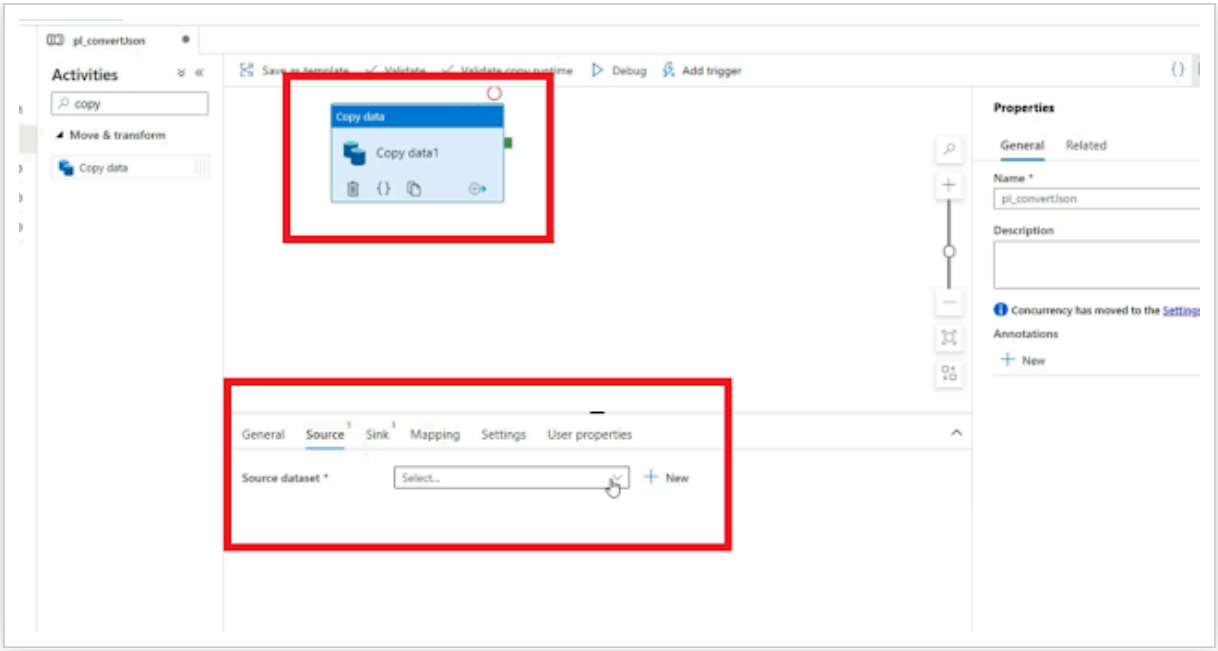

Fig-2: Create source data set in copy data activity.

Click on the Sink tab and inside the sink tab we have to create a new Sink dataset, click on the + New button then select Azure blob storage and select delimited text (CSV) which is our output file format, then click on continue, and name the dataset as Output, then select the linked service, which we created earlier, then select the output folder and name the output file, select first row as header, and select "none" as import schema, and then click ok, as shown in the picture below.

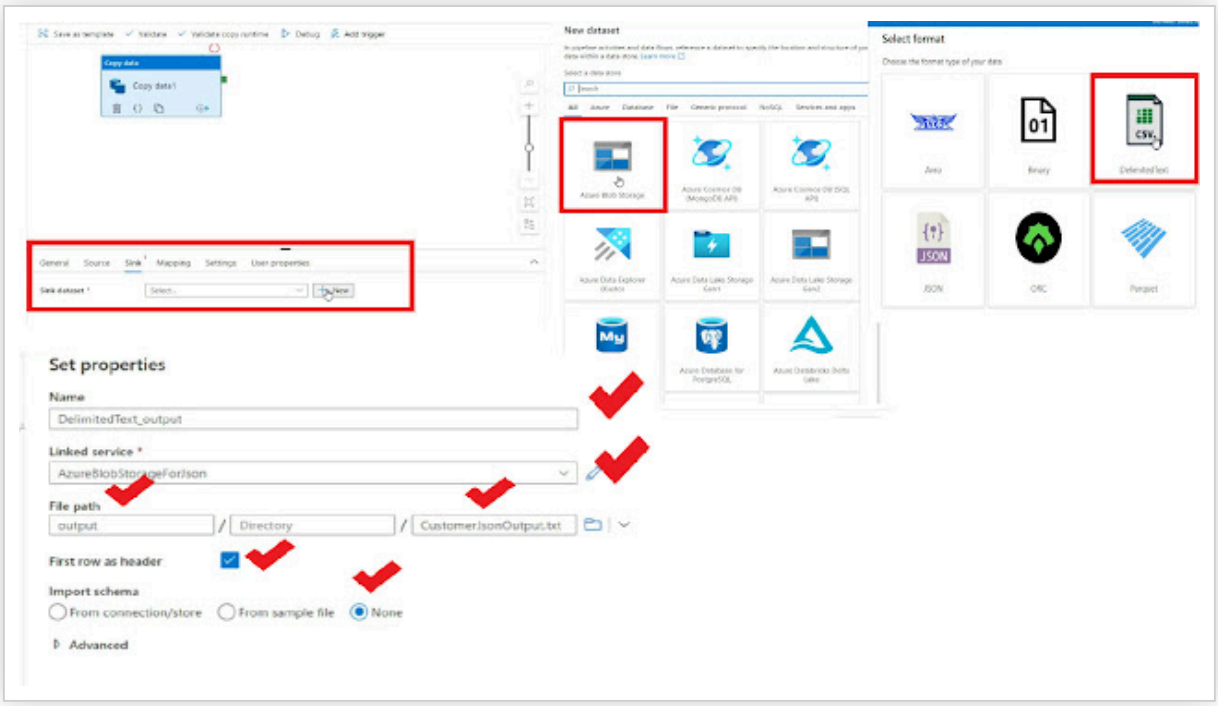

Fig-3: Create sink data set and select linked service.

The next step is mapping, go to the Mapping tab and then click on Import Schemas, inside the schemas you can add or remove columns or change the data format if required, as shown in the picture below.

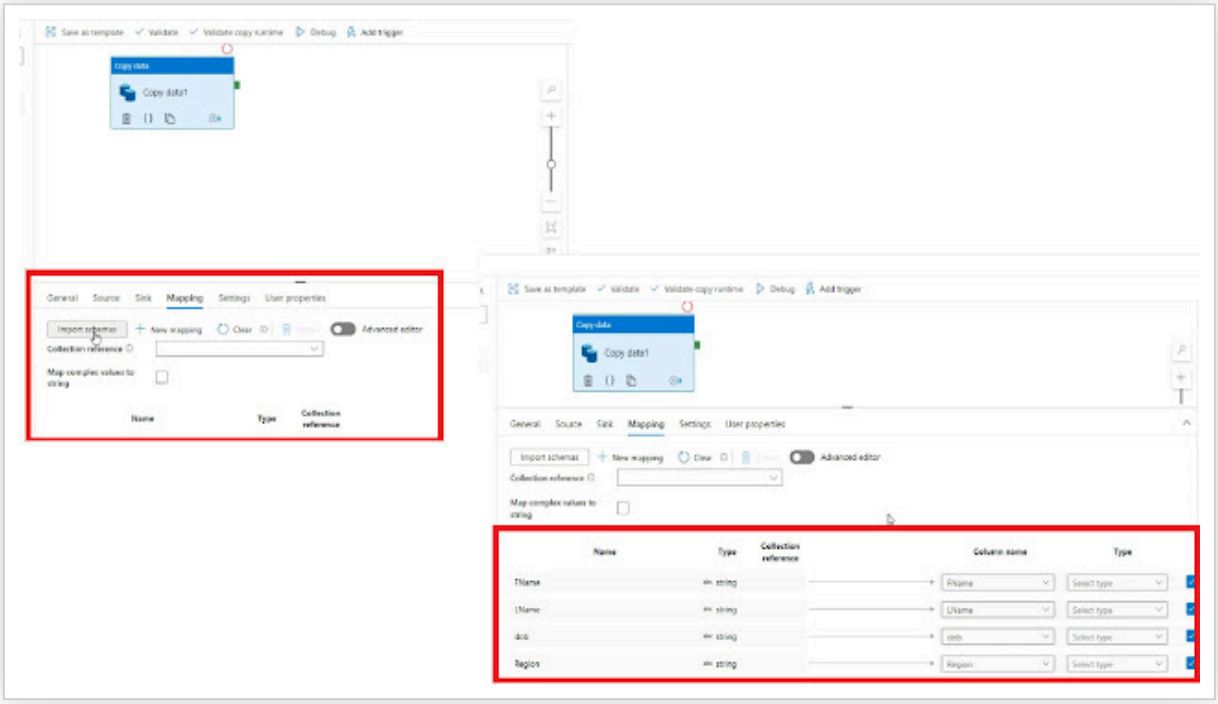

Fig-4: Configure mappings and import schemas.

Once you are done with your selection click on Debug, and it will start the execution process, when debugging will be completed you will be notified and can see the CSV file in your output folder as shown in the picture below.

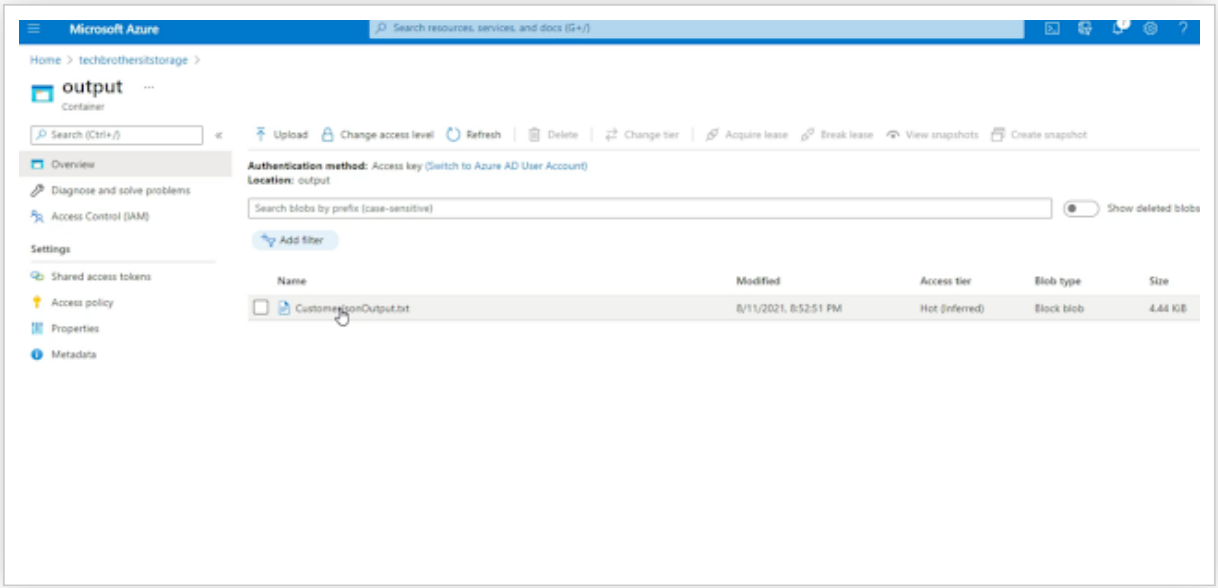

Fig-5: Output CSV file, debug process completed