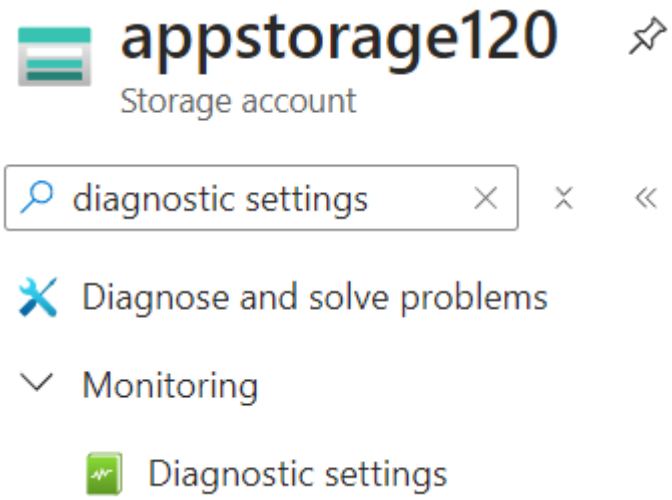
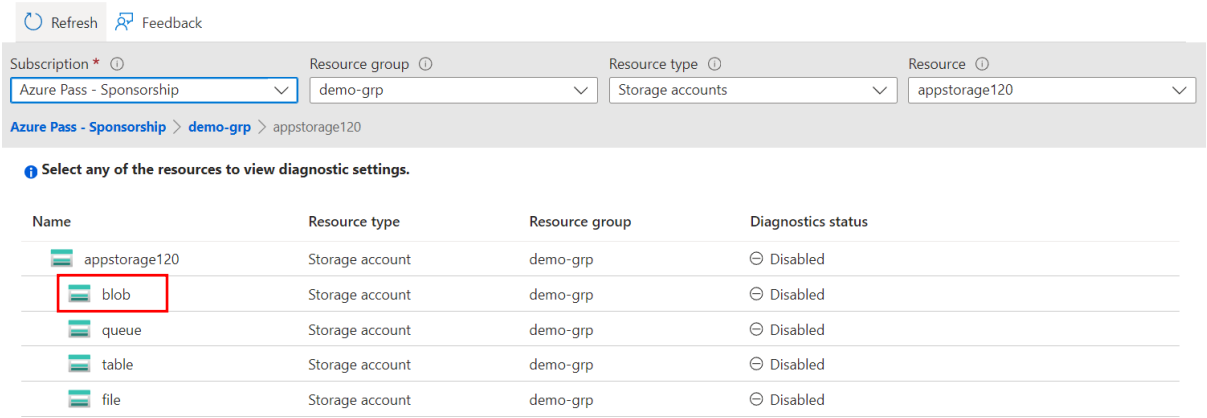
😊 Settings Diagnostic Logs for Azure Data Lake

In this process, you're configuring diagnostic logs for Azure Data Lake Storage. The end goal is to enable monitoring and analysis of activities within your storage account, such as file uploads, deletions, and access patterns. By setting up diagnostic logs and analyzing the generated data, you gain insights into how your storage resources are being utilized, which can help optimize performance, troubleshoot issues, and ensure compliance with security and regulatory requirements.

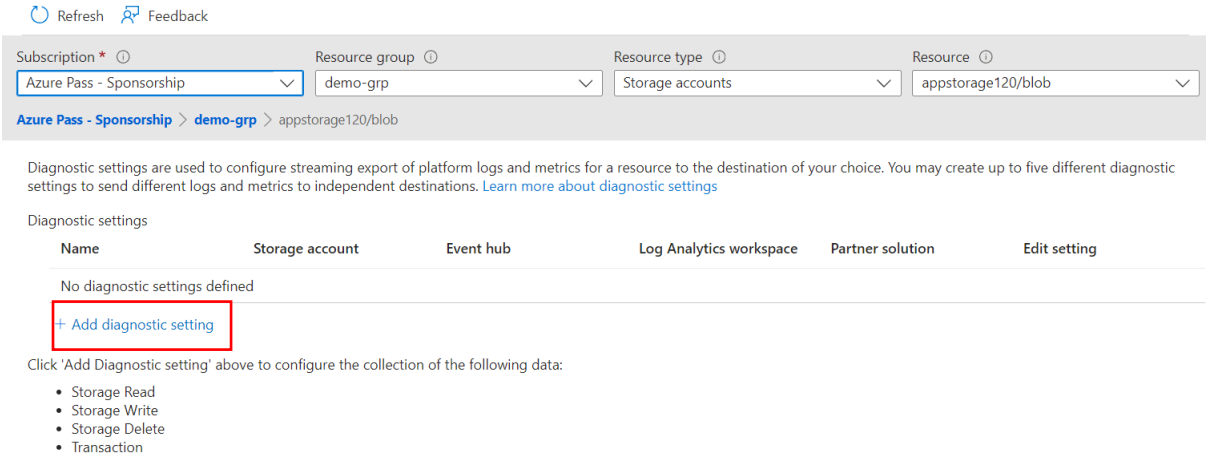
1. Now you need to go to your Storage account and check whether you have two separate accounts or not. If not, then create one.
2. After that get inside of any one of the accounts and search for diagnostic settings.



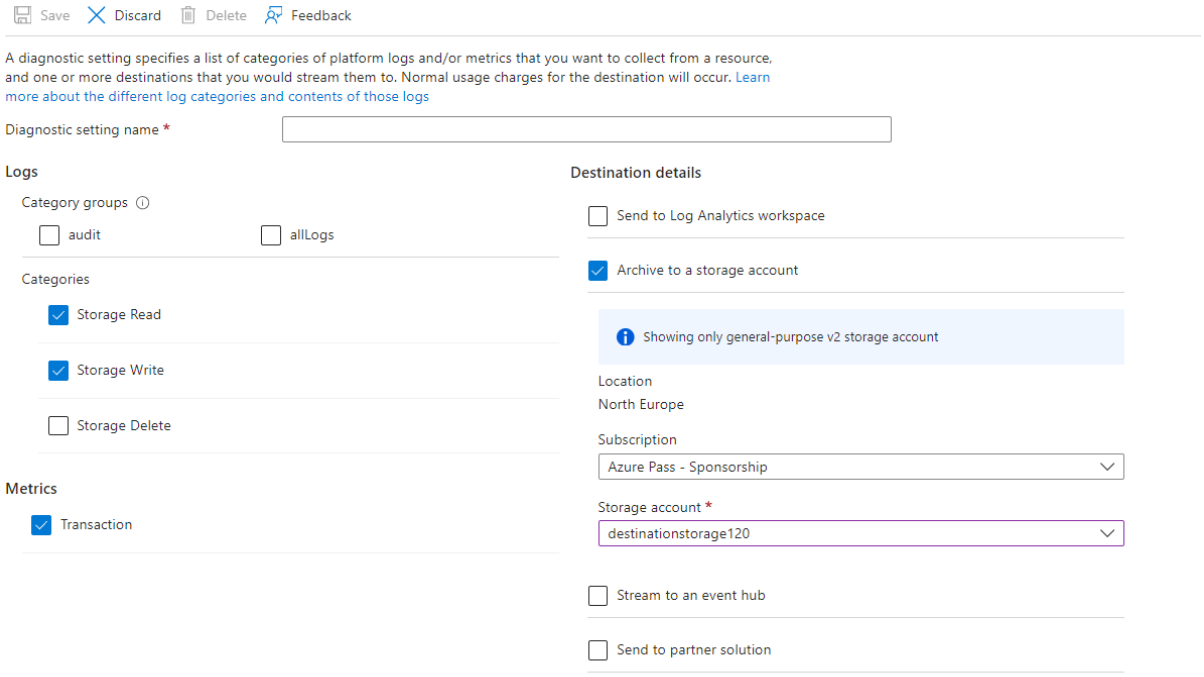
3. In there you will have multiple services and they are disabled. Now you need to go inside of blob service.



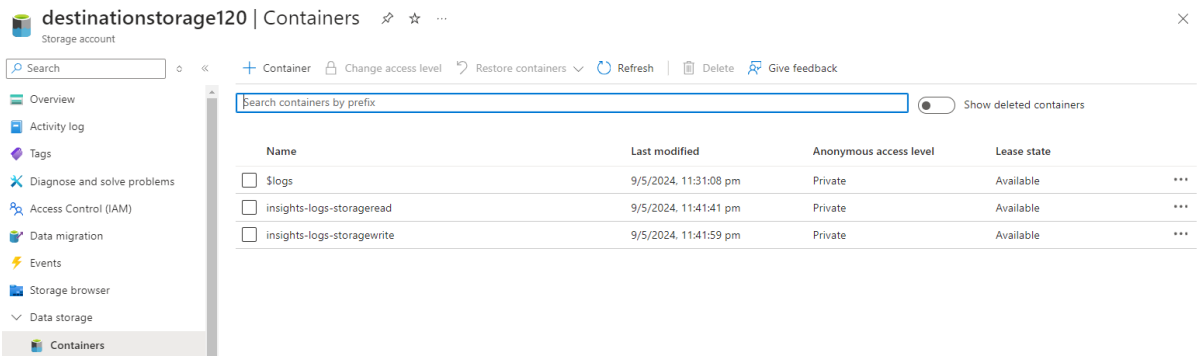
4. Then you have to click on add diagnostic settings



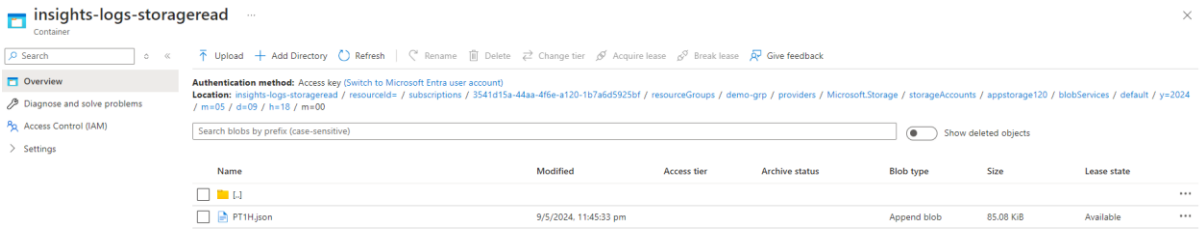
5. Now you need to choose what you want for the logs and where you want to send them.
6. Below we have chosen our logs, and we are sending them to a different storage account.
7. After that give it a name and save it.



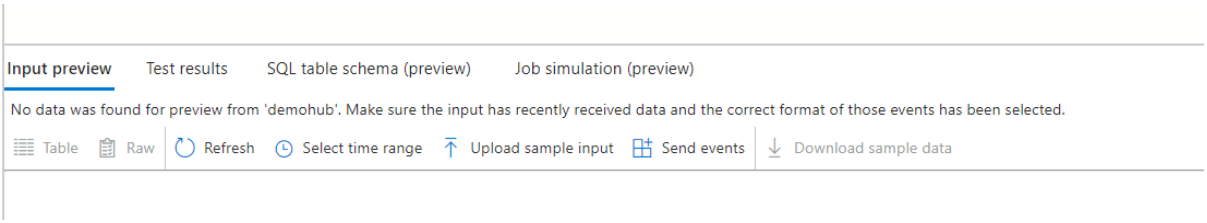
8. Now it will generate data based on read write and transactions.
9. What we need to do is perform as many tasks in our storage as we can.
10. Like creating containers, uploading files into them or creating a directory.
11. Just perform as many tasks as you can because it will take time to generate the data.
12. After 5-10 minutes if you go inside of the storage account which was the destination for our diagnostic data then you will find two storage accounts.



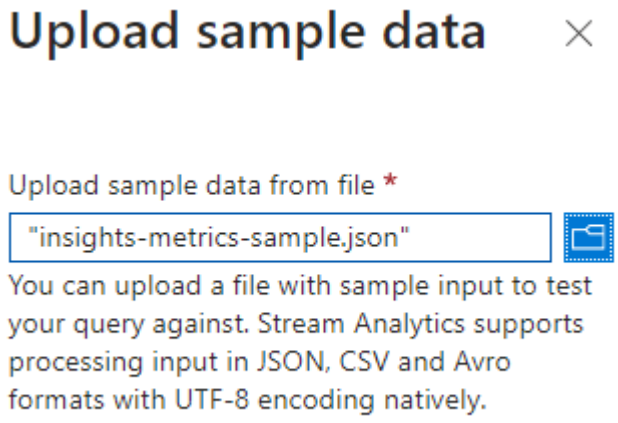
13. Then if you go inside of the container you will see that we have multiple layers of folders, then after in the last we got our JSON file in the form of diagnostic information for this hour.



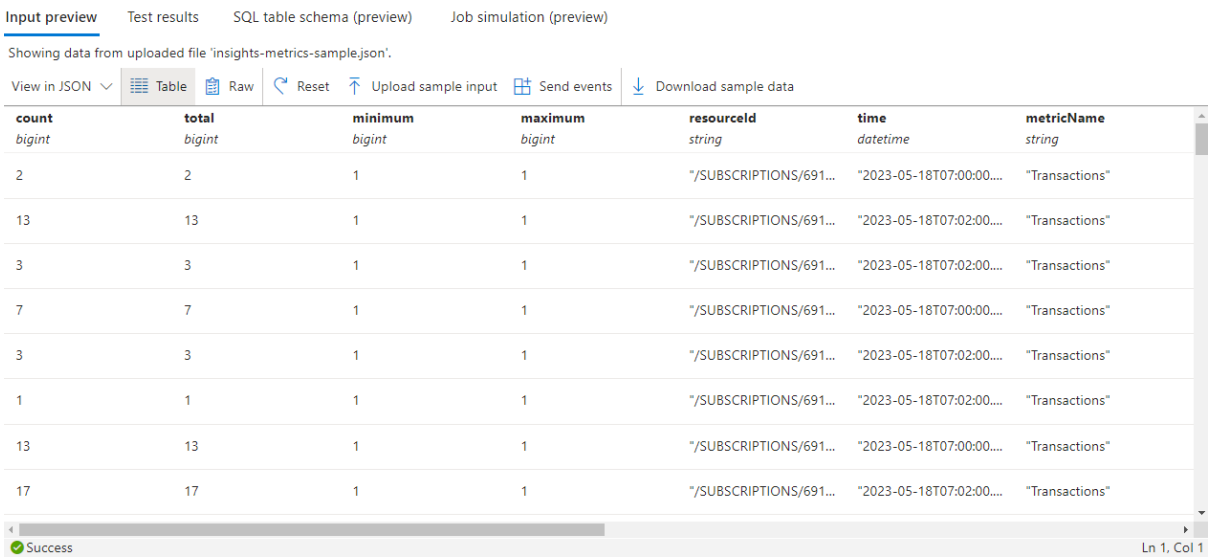
14. Now you need to download this and directly move to stream analytics and open query in there.
15. And inside of the query you will find that you have the option to upload the sample data.



16. Now you need to click on upload and upload the sample file here.



17. Then effective immediately you will get the raw data in tabular format.


Input preview
Test results
SQL table schema (preview)
Job simulation (preview)
Showing data from uploaded file 'insights-metrics-sample.json'.
View in JSON
Table
Raw
Reset
Upload sample input
Send events
Download sample data
count bigint
total bigint
minimum bigint
maximum bigint
resourceId string
time datetime
metricName string
2 2 1 1 "/SUBSCRIPTIONS/691... "2023-05-18T07:00:00.... "Transactions"
13 13 1 1 "/SUBSCRIPTIONS/691... "2023-05-18T07:02:00.... "Transactions"
3 3 1 1 "/SUBSCRIPTIONS/691... "2023-05-18T07:02:00.... "Transactions"
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17 17 1 1 "/SUBSCRIPTIONS/691... "2023-05-18T07:02:00.... "Transactions"
Success
Ln 1, Col 1