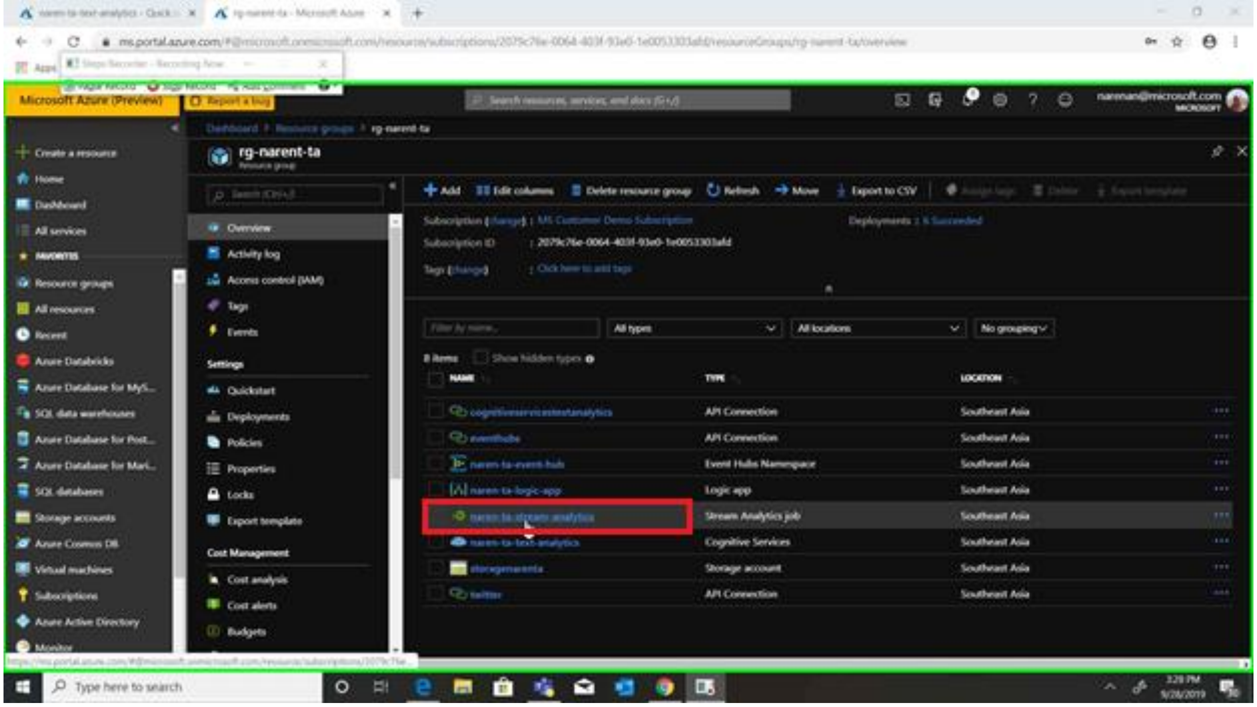
Configure Steam Analytics Job for Tweet Analytics

To work on Tweet analytics demo we will Configure Steam Analytics job which required for this demo.

Step 1: Open Azure Portal and select Stream Analytics Job from the Resource Group which you have created for the Tweet Analytics Demo. In my case I have created rg-narent-ta as a Resource Group.



Subscription (change) : MS Customer Demo Subscription

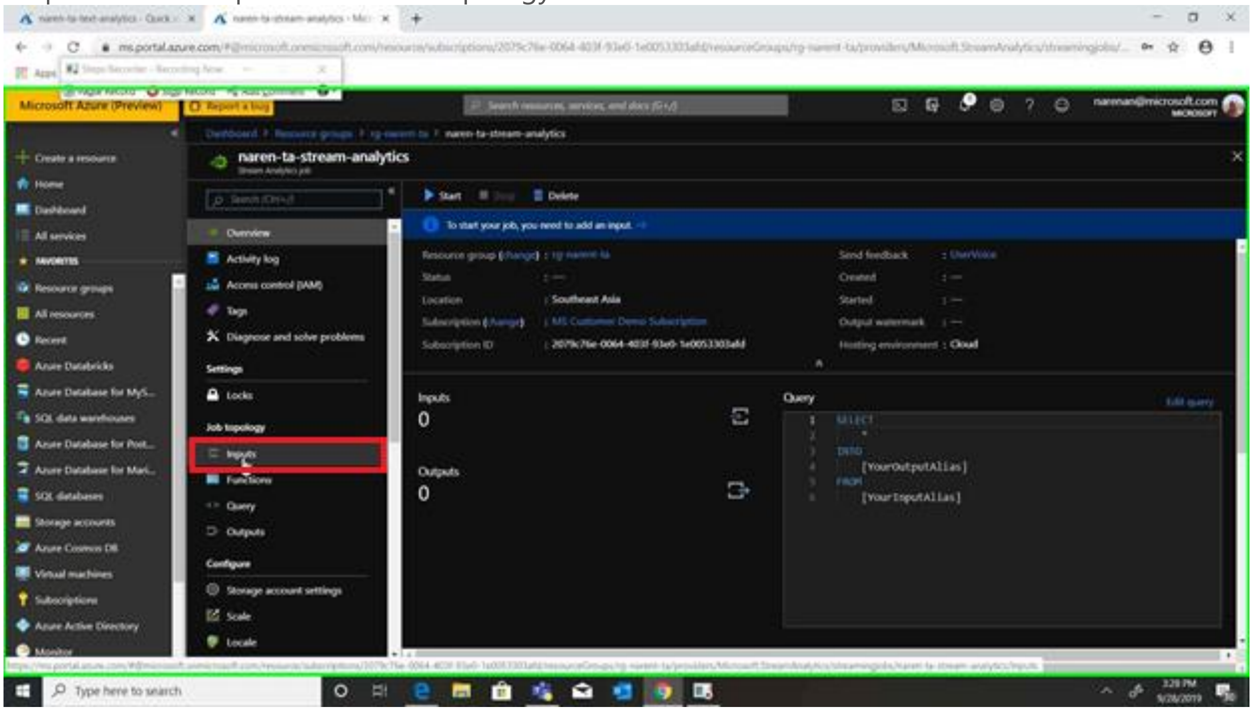
Subscription ID : 2079c76e-0064-403f-93e0-1e0053303afd

Deployments : 6 Succeeded

8 items

NAME	TYPE	LOCATION
cognitiveservicestextanalytics	API Connection	Southeast Asia
eventhubs	API Connection	Southeast Asia
naren-ta-event-hub	Event Hubs Namespace	Southeast Asia
naren-ta-logic-app	Logic app	Southeast Asia
naren-ta-stream-analytics	Stream Analytics job	Southeast Asia
naren-ta-text-analytics	Cognitive Services	Southeast Asia
storagenarenta	Storage account	Southeast Asia
twitter	API Connection	Southeast Asia

Step 2: Click on Input under “Job topology” from the blade

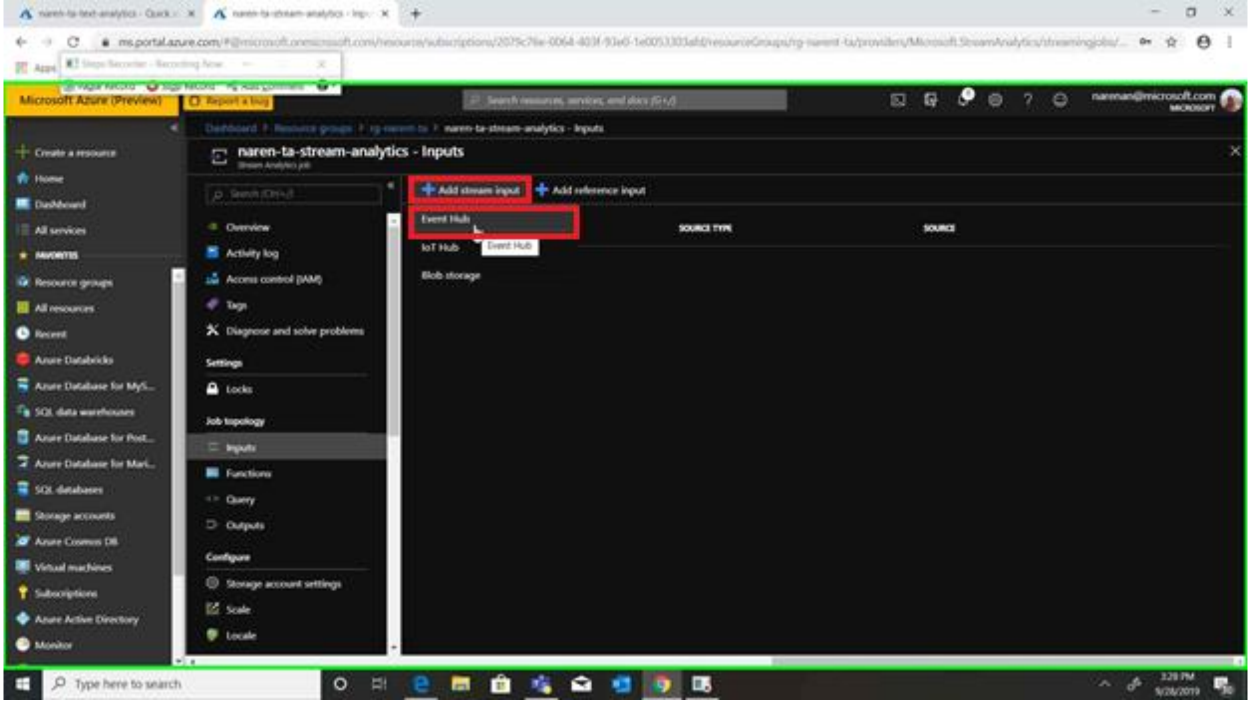


To start your job, you need to add an input. →

Resource group (change) : rg-naren-ta
Status : —
Location : Southeast Asia
Subscription (change) : MS Customer Demo Subscription
Subscription ID : 2079c76e-0064-403f-93e0-1e0053303afd
Send feedback : UserVoice
Created : —
Started : —
Output watermark : —
Hosting environment : Cloud

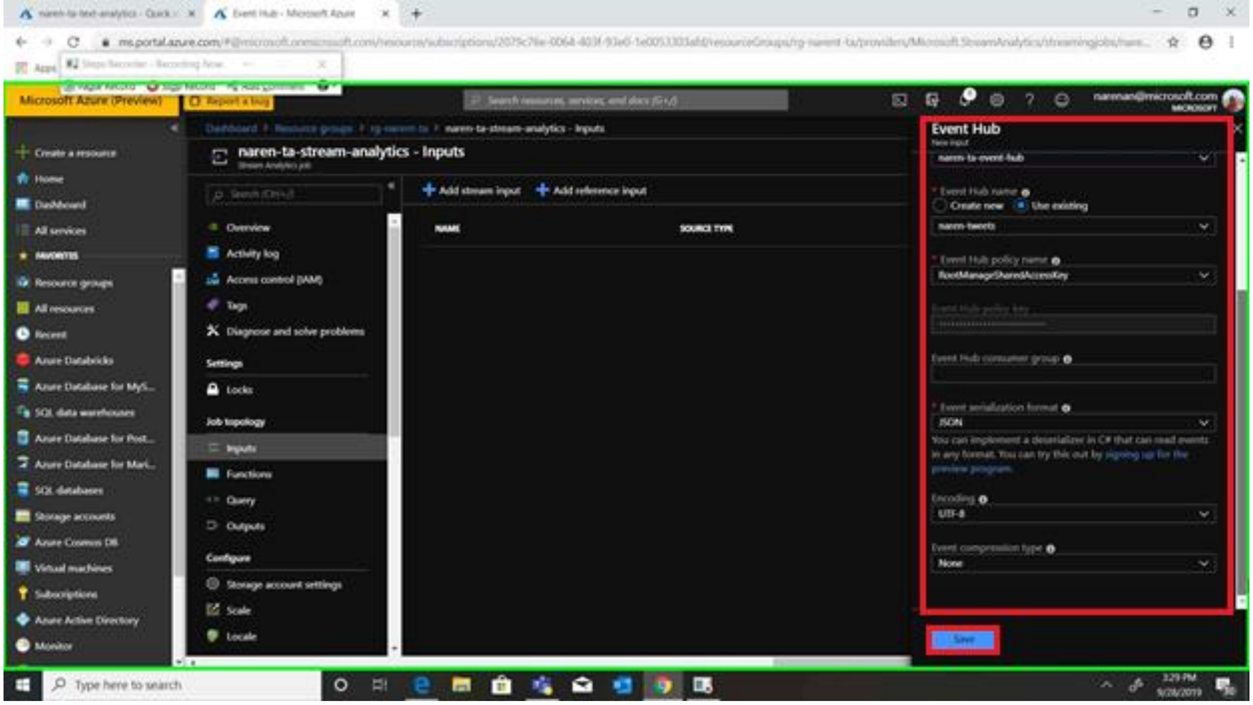
```
SELECT
    *
INTO
    [YourOutputAlias]
FROM
    [YourInputAlias]
```

Step 3: Click on “+ Add streaming input” and select Event hub as an input



Step 4: In the input details blade enter the following information and click Save button to save the event hub input.

- Input alias: <Enter the input alias name>
- Enable "Select Event hub from your subscription"
- Subscription: <Select subscription from the drop-down list >
- Event hub Namespace: <Select Event hub Namespace from the drop-down list >
- Event hub Name: Enable Use Existing and <Select Event hub from the drop-down list>
- Event hub policy Name: <Select Event hub policy name from the drop-down list>
- Event serialization format: JSON
- Encoding: UTF-8
- Event compression type: None



Event Hub
New input
naren-ta-event-hub

* Event Hub name
○ Create new ● Use existing
naren-tweets

* Event Hub policy name
RootManageSharedAccessKey

Event Hub policy key
••••••••••••••••••••••••

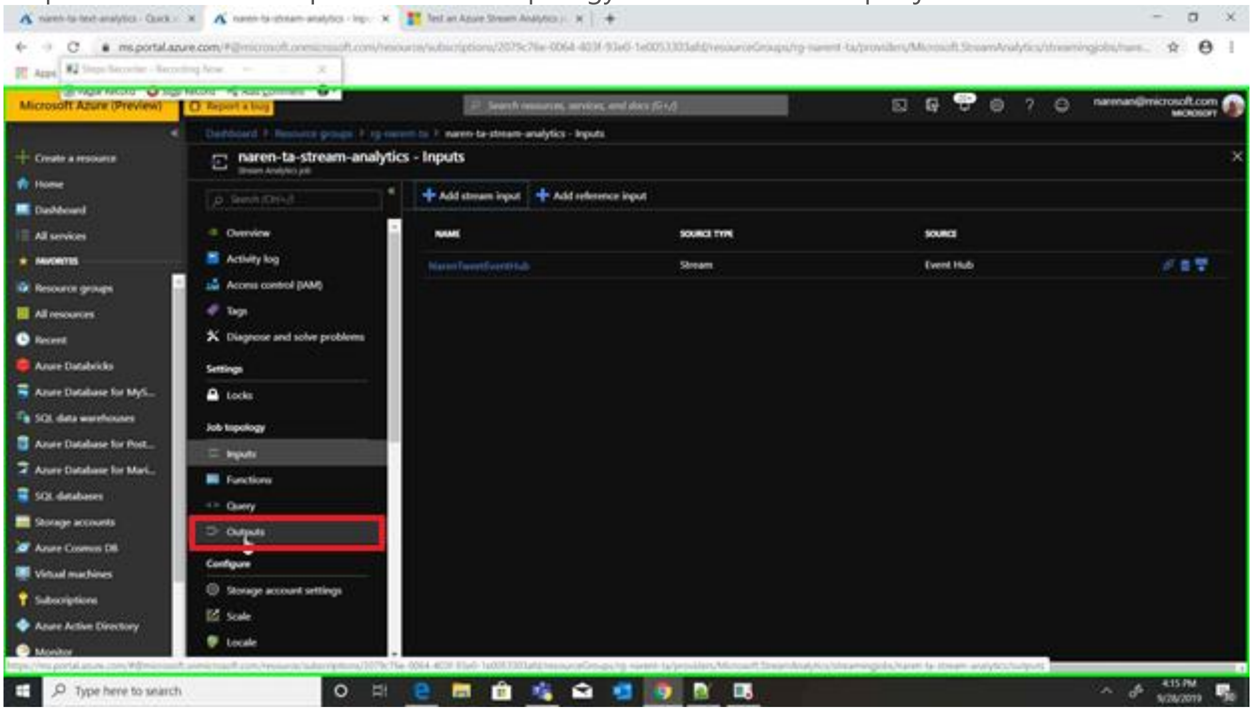
Event Hub consumer group

* Event serialization format
JSON
You can implement a deserializer in C# that can read events in any format. You can try this out by signing up for the preview program.

Encoding
UTF-8

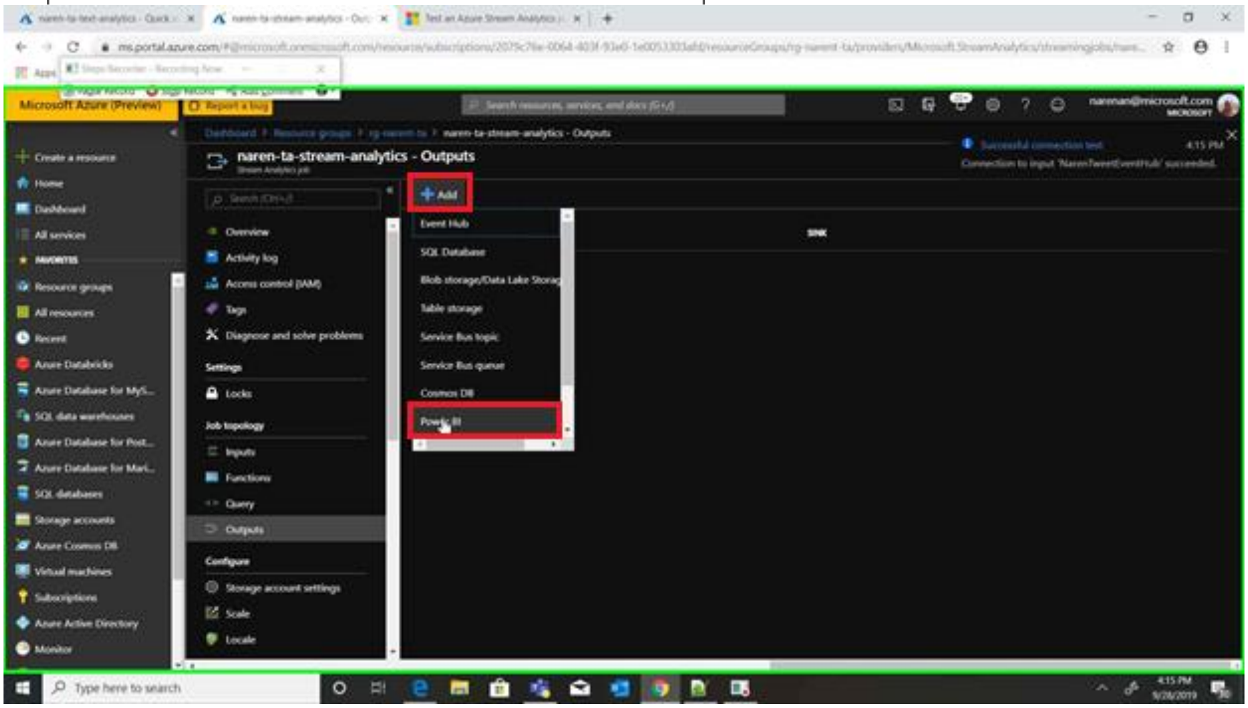
Event compression type
None

Step 5: Click on the Output from "Job Topology" to create new output job



NAME	SOURCE TYPE	SOURCE
NarenTweetEventHub	Stream	Event Hub

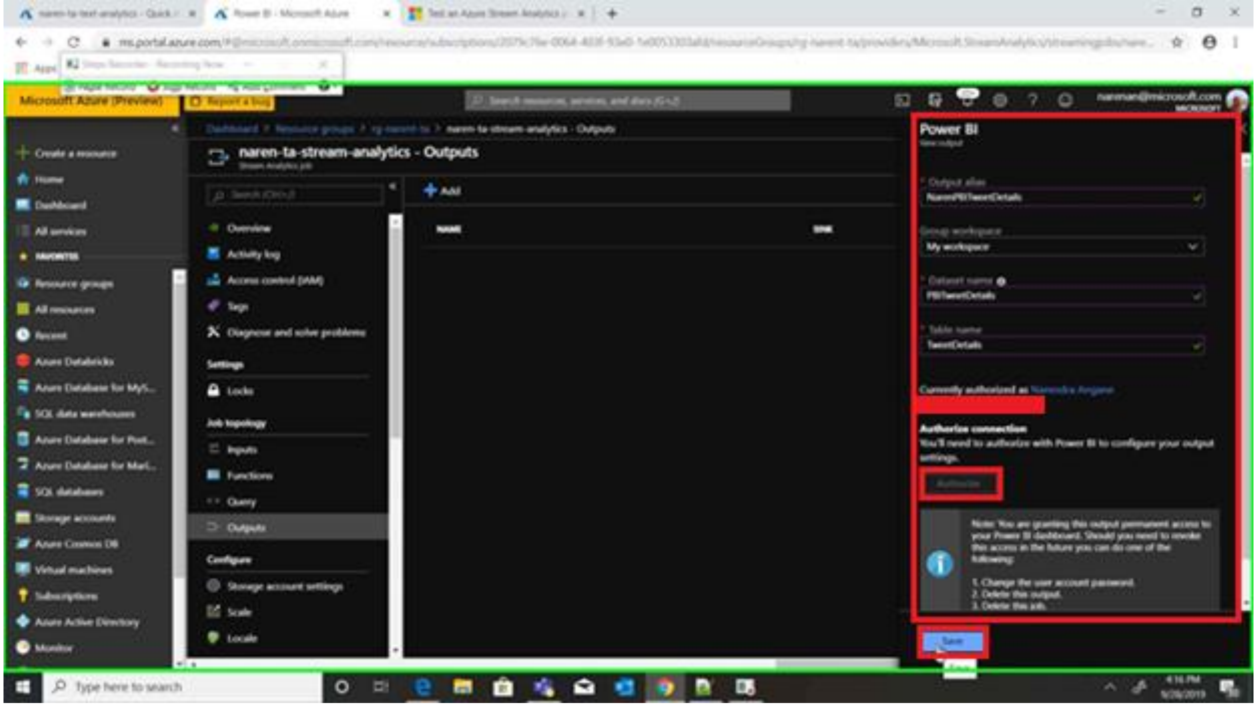
Step 6: Click on "+ Add" and select Power BI as an output



Successful connection test 4:15 PM
Connection to input 'NarenTweetEventHub' succeeded.

Step 7: In the Output details blade enter the following information and click Save button to save the Power BI Output. This output you will use to show the Tweet Details in Power BI. You will also need to Authorize the Power BI Account.

- Output Alias: <Enter Output Alias for Power BI Output>
- Group Workspace: <Select the Group Workspace from the drop-down list>
- Dataset Name: <Enter Dataset Name>
- Table Name: <Enter Table Name>
- Click on Authorize button to authorize Power BI



naren-ta-stream-analytics - Outputs

Power BI

New output

* Output alias: NarenPBITweetDetails

Group workspace: My workspace

* Dataset name: PBITweetDetails

* Table name: TweetDetails

Currently authorized as Narendra Angane

[redacted]

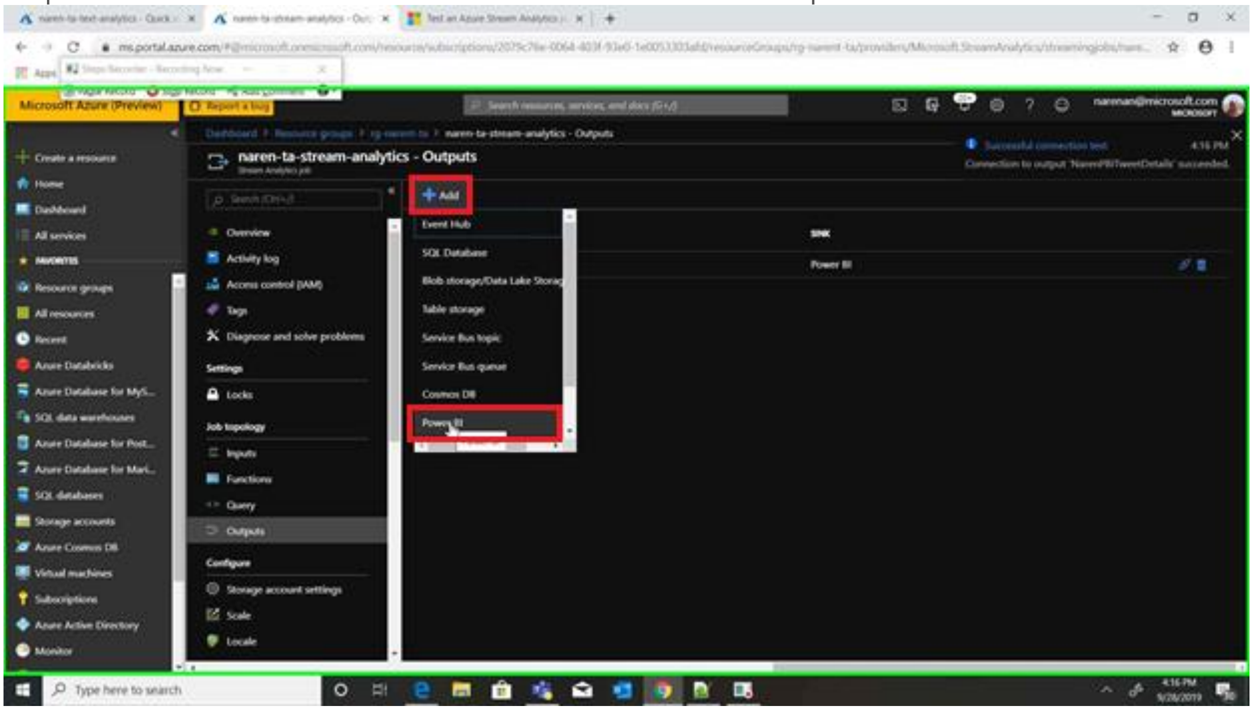
Authorize connection

You'll need to authorize with Power BI to configure your output settings.

Note: You are granting this output permanent access to your Power BI dashboard. Should you need to revoke this access in the future you can do one of the following:

1. Change the user account password.
2. Delete this output.
3. Delete this job.

Step 8: Click on "+ Add" and select another Power BI as an output

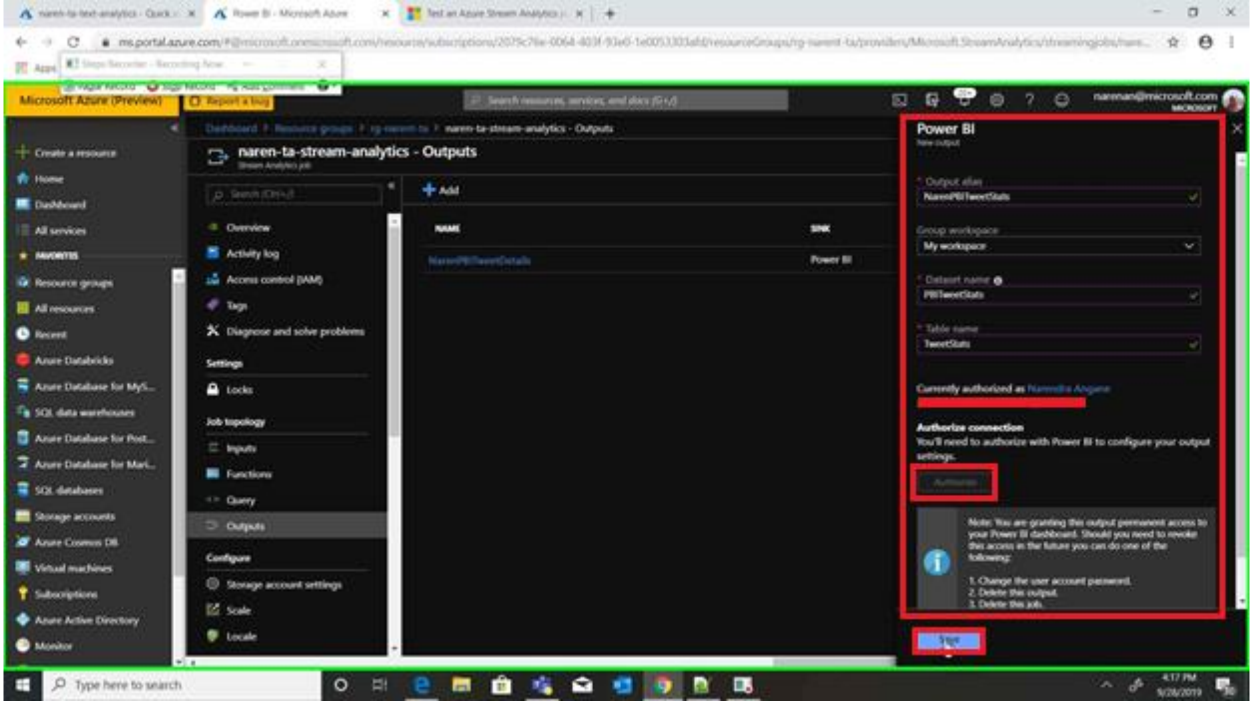


Successful connection test 4:16 PM

Connection to output 'NarenPBITweetDetails' succeeded.

Step 9: In the Output details blade enter the following information and click Save button to save the Power BI Output. This output you will use to show the Tweet Stats in Power BI. You will also need to Authorize the Power BI Account.

- Output Alias: <Enter Output Alias for Power BI Output>
- Group Workspace: <Select the Group Workspace from the drop-down list>
- Dataset Name: <Enter Dataset Name>
- Table Name: <Enter Table Name>
- Click on Authorize button to authorize Power BI



naren-ta-stream-analytics - Outputs

NAME	SINK
NarenPBITweetDetails	Power BI

Power BI
New output

* Output alias: NarenPBITweetStats

Group workspace: My workspace

* Dataset name: PBITweetStats

* Table name: TweetStats

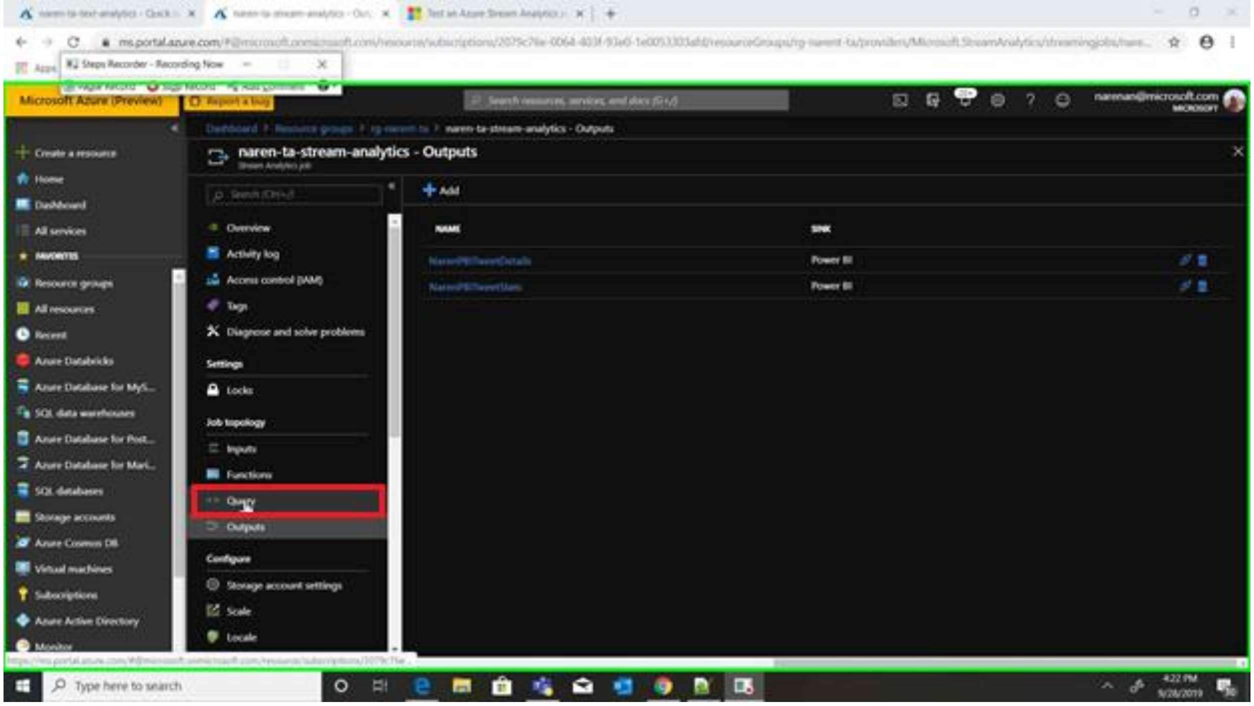
Currently authorized as Narendra Angane

Authorize connection
You'll need to authorize with Power BI to configure your output settings.

Note: You are granting this output permanent access to your Power BI dashboard. Should you need to revoke this access in the future you can do one of the following:

1. Change the user account password.
2. Delete this output.
3. Delete this job.

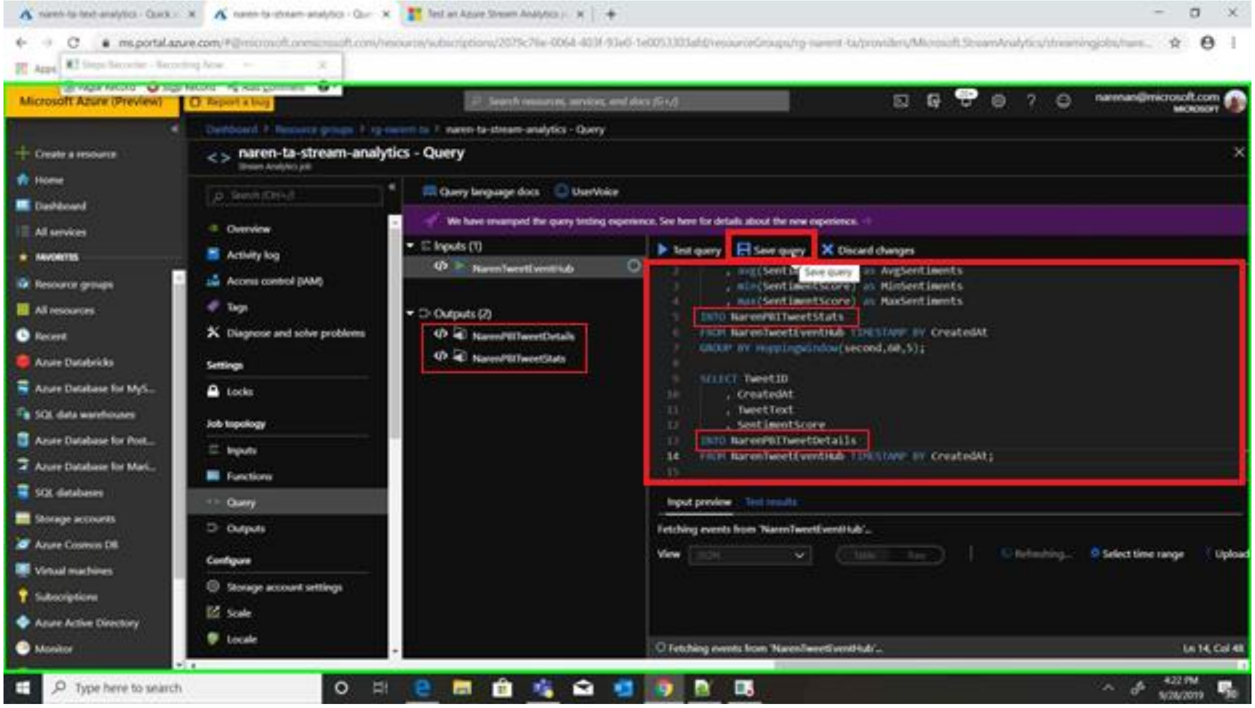
Step 10: Click on Query under “Job Topology” from the blade to write the query which send the output to the Power BI outputs



NAME	SINK
NarenPBITweetDetails	Power BI
NarenPBITweetUsers	Power BI

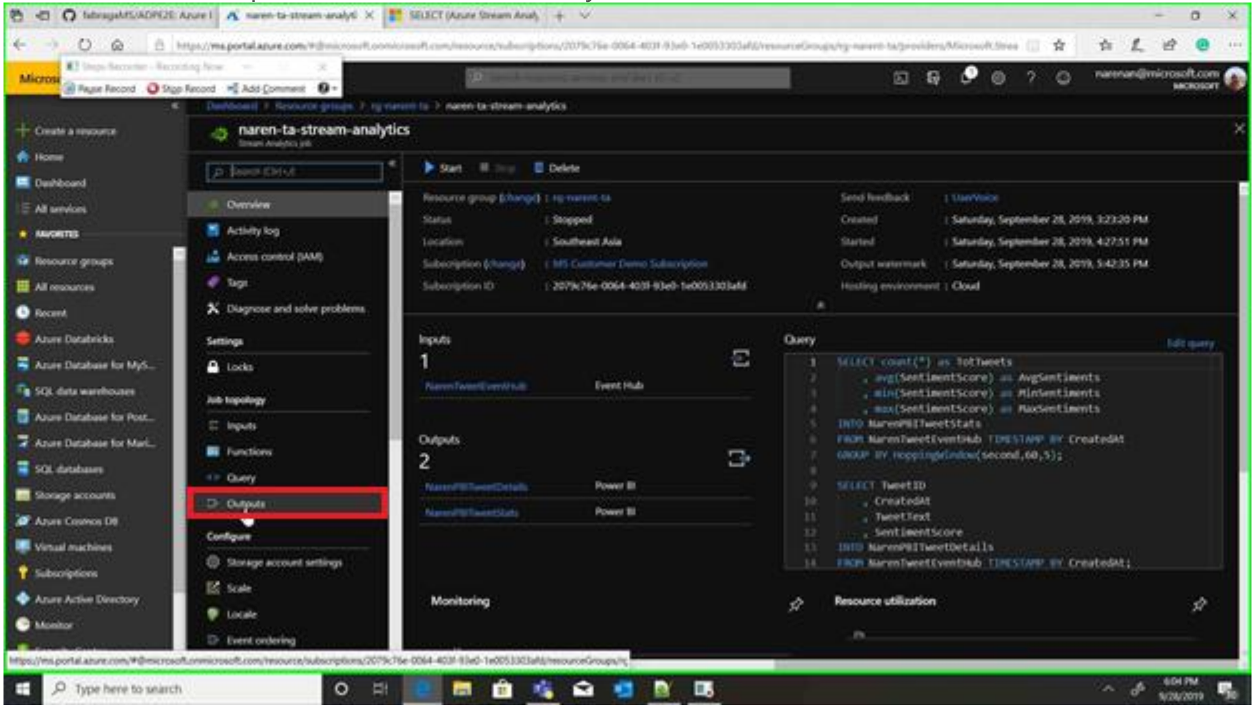
Step 11: Enter the following queries into the query window which send the output to the Power BI outputs which we have created for Tweet Details and Tweet Stats. Click Save Query button to Save the query.

```
SELECT count(*) as TotTweets
   , avg(SentimentScore) as AvgSentiments
   , min(SentimentScore) as MinSentiments
   , max(SentimentScore) as MaxSentiments
INTO NarenPBITweetStats
FROM NarenTweetEventHub TIMESTAMP BY CreatedAt
GROUP BY HoppingWindow(second,60,5);

SELECT TweetID
          , CreatedAt
          , TweetText
          , SentimentScore
INTO NarenPBITweetDetails
FROM NarenTweetEventHub TIMESTAMP BY CreatedAt;
```



```
      , avg(Senti     as AvgSentiments
      , min(SentimentScore) as MinSentiments
      , max(SentimentScore) as MaxSentiments
INTO NarenPBITweetStats
FROM NarenTweetEventHub TIMESTAMP BY CreatedAt
GROUP BY HoppingWindow(second,60,5);

SELECT TweetID
      , CreatedAt
      , TweetText
      , SentimentScore
INTO NarenPBITweetDetails
FROM NarenTweetEventHub TIMESTAMP BY CreatedAt;
```

Step 12: After saving the queries successfully, click on the output under “Job Topology” from the blade to create output for Cosmos DB which you can use to send the Tweet Details information.



naren-ta-stream-analytics

Resource group (change) : rg-naren-ta
Status : Stopped
Location : Southeast Asia
Subscription (change) : MS Customer Demo Subscription
Subscription ID : 2079c76e-0064-403f-93e0-1e0053303afd

Created : Saturday, September 28, 2019, 3:23:20 PM
Started : Saturday, September 28, 2019, 4:27:51 PM
Output watermark : Saturday, September 28, 2019, 5:42:35 PM
Hosting environment : Cloud

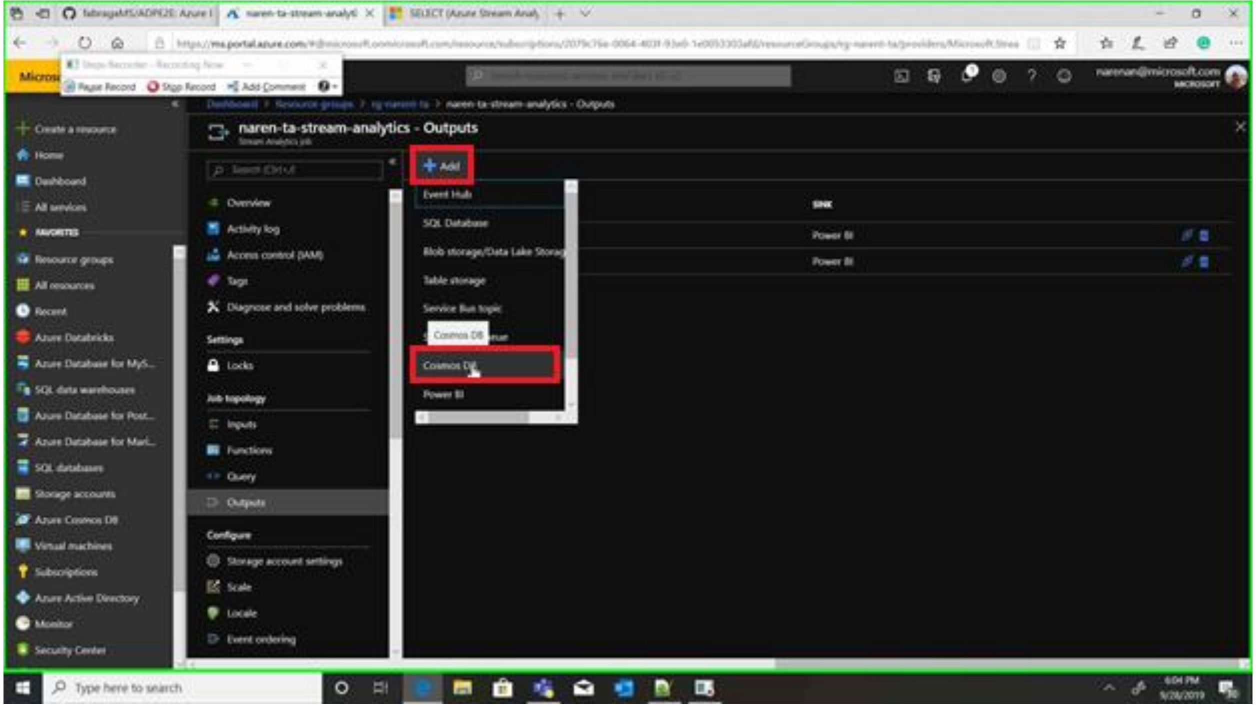
Inputs 1
NarenTweetEventHub Event Hub

Outputs 2
NarenPBITweetDetails Power BI
NarenPBITweetStats Power BI

Query

```
SELECT count(*) as TotTweets
     , avg(SentimentScore) as AvgSentiments
     , min(SentimentScore) as MinSentiments
     , max(SentimentScore) as MaxSentiments
INTO NarenPBITweetStats
FROM NarenTweetEventHub TIMESTAMP BY CreatedAt
GROUP BY HoppingWindow(second,60,5);

SELECT TweetID
     , CreatedAt
     , TweetText
     , SentimentScore
INTO NarenPBITweetDetails
FROM NarenTweetEventHub TIMESTAMP BY CreatedAt;
```

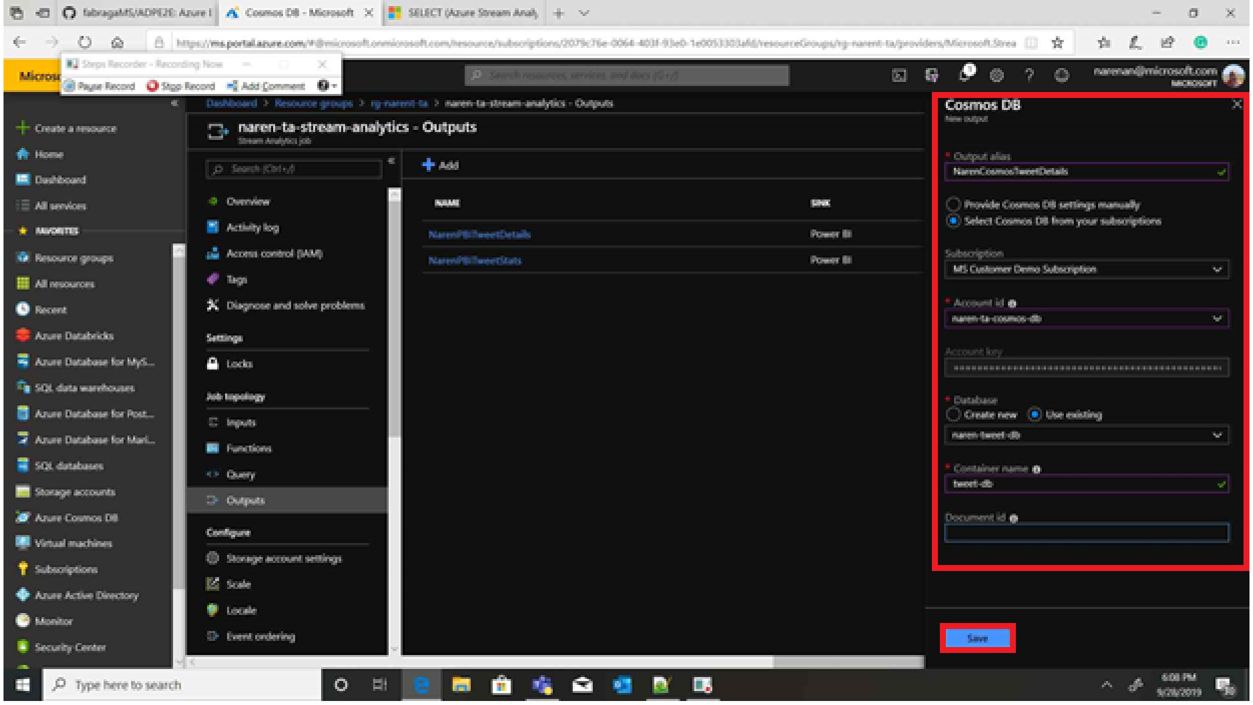
Step 13: Click on “+ Add” and select Cosmos DB as an output



naren-ta-stream-analytics - Outputs

Step 14: In the Output details blade enter the following information and click Save button to save the Cosmos DB Output. This output you will use to send the Tweet Details to the Cosmos DB container.

- Output Alias: <Enter Output Alias for Cosmos DB Output>
- Enable “Select Cosmos DB from your subscription”
- Subscription: <Select Subscription from the drop-down list>
- Account id: <Select Account id from the drop-down list>
- Database: Select Use existing and <Select the database from the drop-down list>
- Container Name: <Select container name from the drop-down list>



naren-ta-stream-analytics - Outputs
Stream Analytics job

NAME	SINK
NarenPBITweetDetails	Power BI
NarenPBITweetStats	Power BI

Cosmos DB
New output

* Output alias
NarenCosmosTweetDetails

○ Provide Cosmos DB settings manually
● Select Cosmos DB from your subscriptions

Subscription
MS Customer Demo Subscription

* Account id
naren-ta-cosmos-db

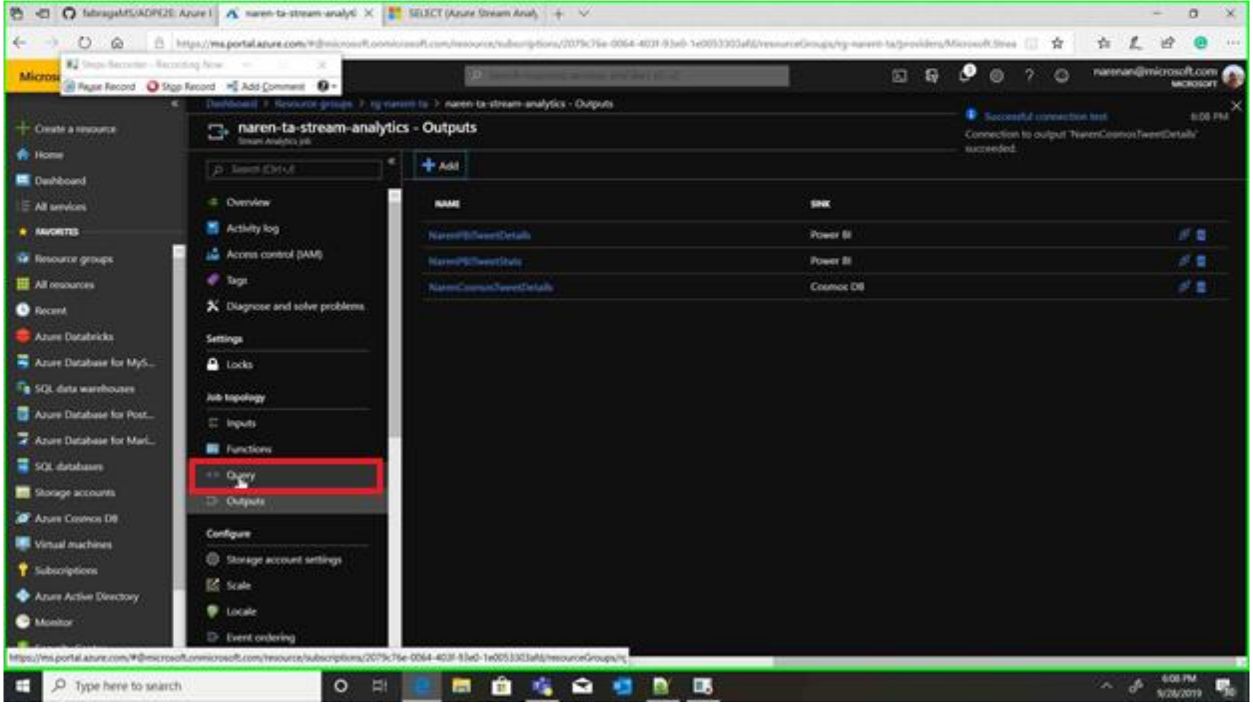
Account key
****

* Database
○ Create new ● Use existing
naren-tweet-db

* Container name
tweet-db

Document id

Step 15: Click on Query under “Job Topology” from the blade to write the query which send the Tweet Details to the Cosmos DB output



naren-ta-stream-analytics - Outputs

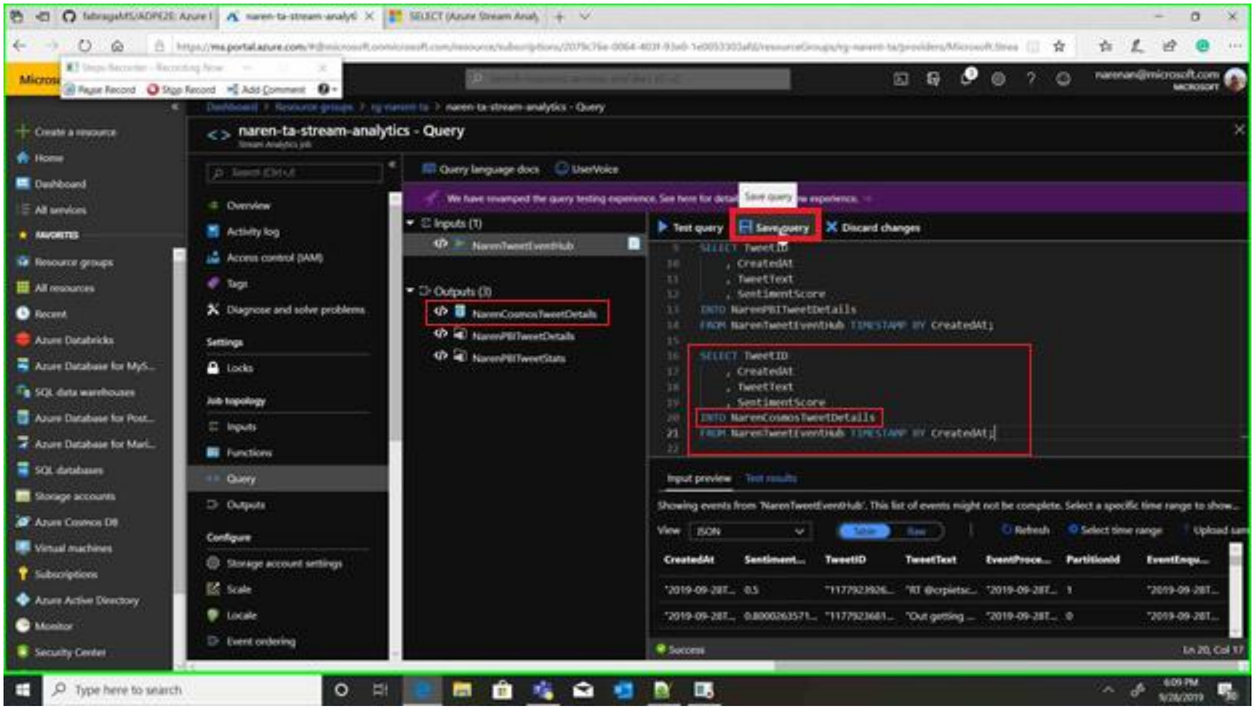
Successful connection test

Connection to output 'NarenCosmosTweetDetails' succeeded.

NAME	SINK
NarenPBITweetDetails	Power BI
NarenPBITweetStats	Power BI
NarenCosmosTweetDetails	Cosmos DB

Step 16: In the query window go to the end of the query and enter the following query which send the Tweet Details output to the Cosmos DB Container. Click Save query button to save the query

```
        SELECT TweetID
                , CreatedAt
                , TweetText
                , SentimentScore
        INTO NarenCosmosTweetDetails
        FROM NarenTweetEventHub TIMESTAMP BY CreatedAt;
```



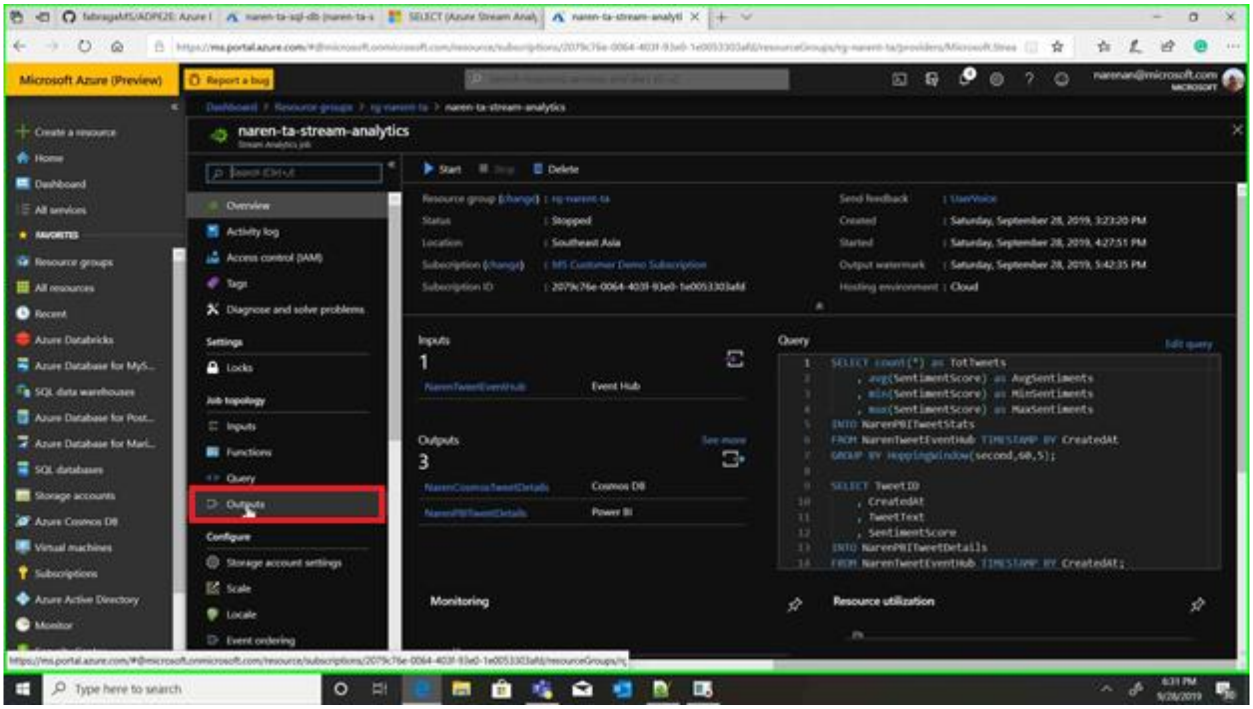
```
SELECT TweetID
    , CreatedAt
    , TweetText
    , SentimentScore
INTO NarenPBITweetDetails
FROM NarenTweetEventHub TIMESTAMP BY CreatedAt;

SELECT TweetID
    , CreatedAt
    , TweetText
    , SentimentScore
INTO NarenCosmosTweetDetails
FROM NarenTweetEventHub TIMESTAMP BY CreatedAt;
```

Showing events from 'NarenTweetEventHub'. This list of events might not be complete. Select a specific time range to show...

View: JSON

CreatedAt	Sentiment...	TweetID	TweetText	EventProce...	PartitionId	EventEnqu...
"2019-09-28T...	0.5	"1177923926...	"RT @crpietsc...	"2019-09-28T...	1	"2019-09-28T...
"2019-09-28T...	0.8000263571...	"1177923681...	"Out getting ...	"2019-09-28T...	0	"2019-09-28T...

Step 17: After saving the queries successfully, click on the output under "Job Topology" from the blade to create output for SQL Database which you can use to send the Tweet Details information to the SQL Table.



Resource group (change) : rg-naren-ta
Status : Stopped
Location : Southeast Asia
Subscription (change) : MS Customer Demo Subscription
Subscription ID : 2079c76e-0064-403f-93e0-1e0053303afd
Send feedback : UserVoice
Created : Saturday, September 28, 2019, 3:23:20 PM
Started : Saturday, September 28, 2019, 4:27:51 PM
Output watermark : Saturday, September 28, 2019, 5:42:35 PM
Hosting environment : Cloud

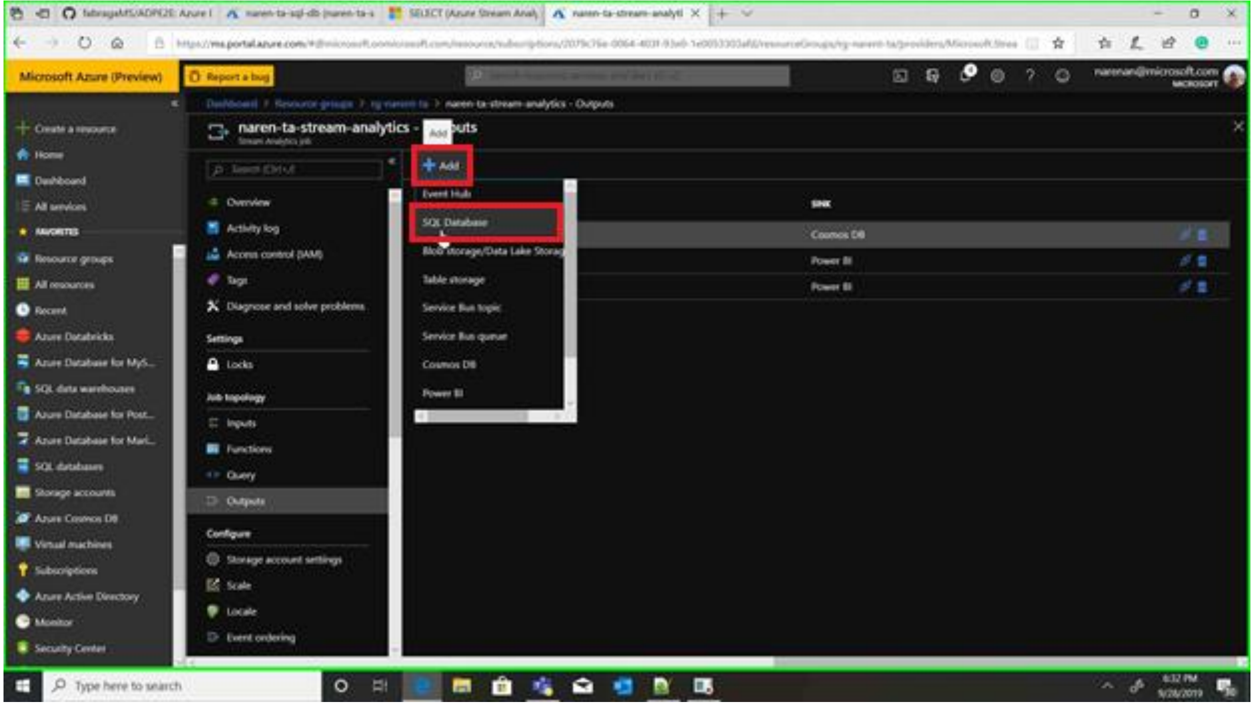
Inputs
1
NarenTweetEventHub Event Hub

Outputs
3
NarenCosmosTweetDetails Cosmos DB
NarenPBITweetDetails Power BI

Query

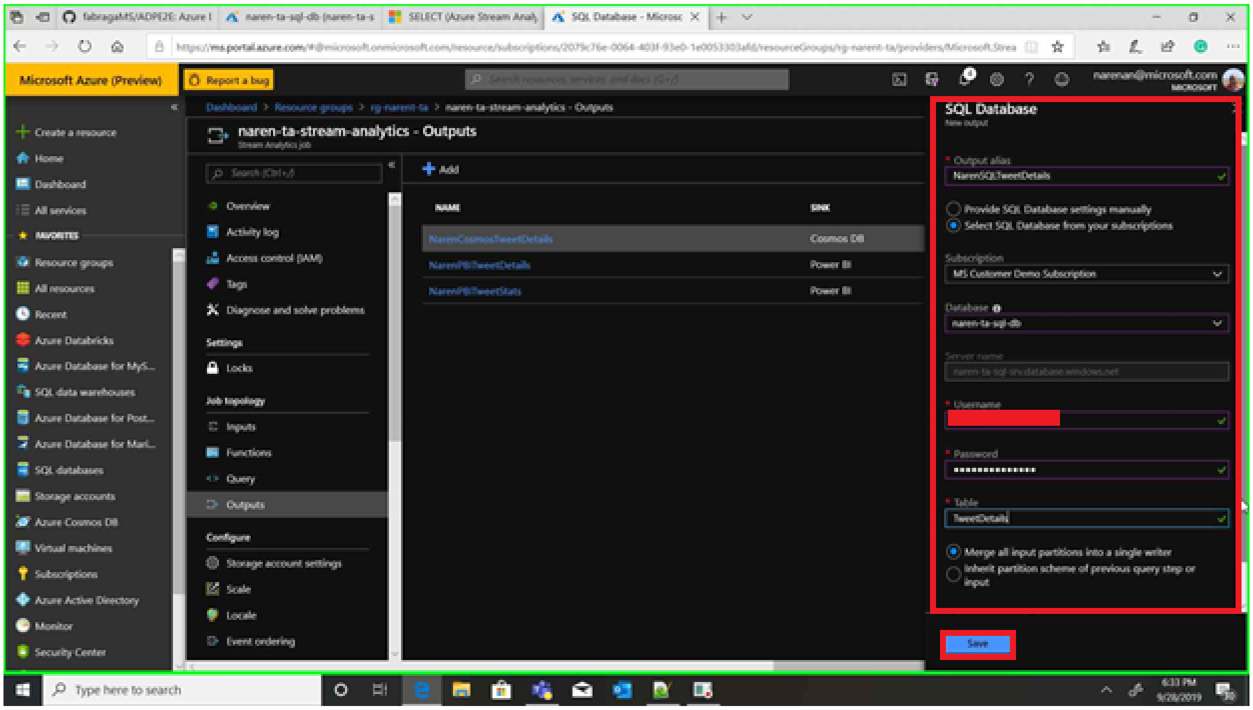
```
SELECT count(*) as TotTweets
     , avg(SentimentScore) as AvgSentiments
     , min(SentimentScore) as MinSentiments
     , max(SentimentScore) as MaxSentiments
INTO NarenPBITweetStats
FROM NarenTweetEventHub TIMESTAMP BY CreatedAt
GROUP BY HoppingWindow(second,60,5);

SELECT TweetID
     , CreatedAt
     , TweetText
     , SentimentScore
INTO NarenPBITweetDetails
FROM NarenTweetEventHub TIMESTAMP BY CreatedAt;
```

Step 18: Click on "+ Add" and select SQL Database as an output



Step 19: In the Output details blade enter the following information and click Save button to save the SQL Database Output. This output you will use to send the Tweet Details to the SQL Table.

- Output Alias: <Enter Output Alias for SQL Database Output>
- Enable "Select SQL Database from your subscription"
- Subscription: <Select Subscription from the drop-down list>
- Database: Select Use existing and <Select the database from the drop-down list>
- Username: <Enter Username>
- Password: <Enter Password>
- Table: <Enter Table name>



naren-ta-stream-analytics - Outputs

NAME	SINK
NarenCosmosTweetDetails	Cosmos DB
NarenPBITweetDetails	Power BI
NarenPBITweetStats	Power BI

SQL Database
New output

Output alias: NarenSQLTweetDetails

○ Provide SQL Database settings manually
● Select SQL Database from your subscriptions

Subscription: MS Customer Demo Subscription

Database: naren-ta-sql-db

Server name: naren-ta-sql-srv.database.windows.net

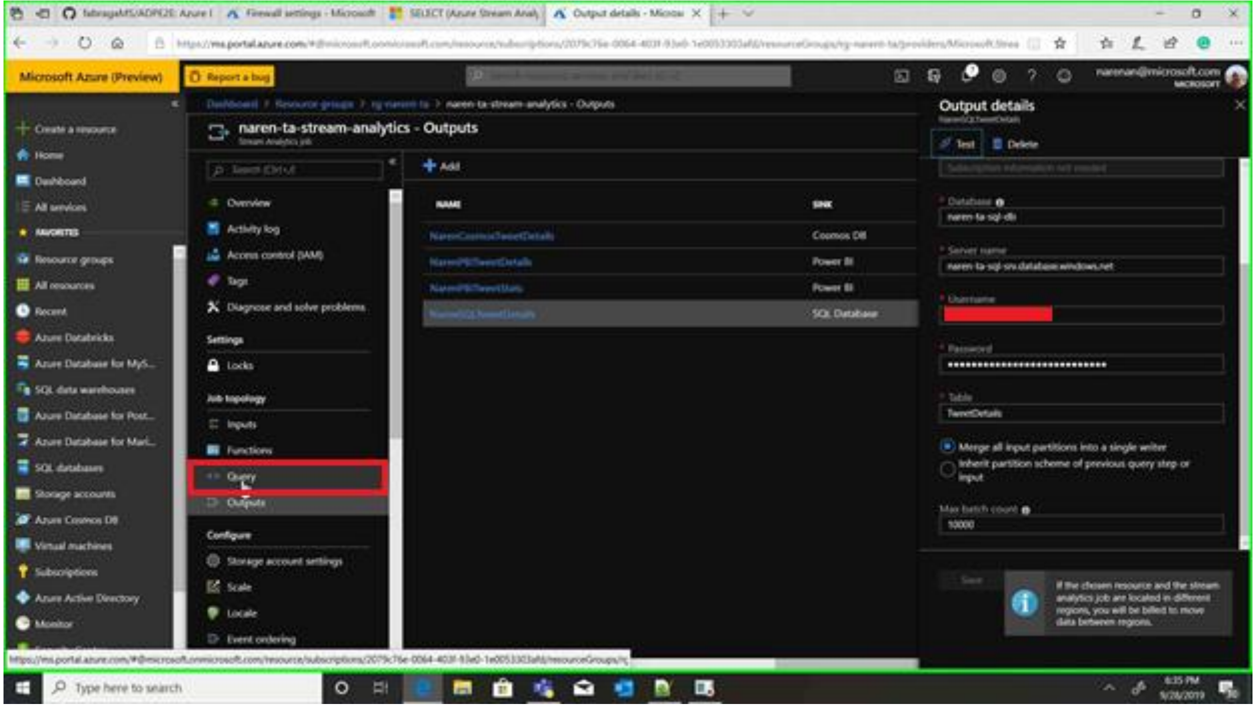
Username: [redacted]

Password: ••••••••••••••••

Table: TweetDetails

● Merge all input partitions into a single writer
○ Inherit partition scheme of previous query step or input

Step 20: Click on Query under "Job Topology" from the blade to write the query which send the Tweet Details to the SQL Database output



naren-ta-stream-analytics - Outputs

Stream Analytics job

NAME	SINK
NarenCosmosTweetDetails	Cosmos DB
NarenPBITweetDetails	Power BI
NarenPBITweetStats	Power BI
NarenSQLTweetDetails	SQL Database

Output details

NarenSQLTweetDetails

Subscription information not needed

* Database: naren-ta-sql-db

* Server name: naren-ta-sql-srv.database.windows.net

* Username: [redacted]

* Password: ****************************

* Table: TweetDetails

● Merge all input partitions into a single writer

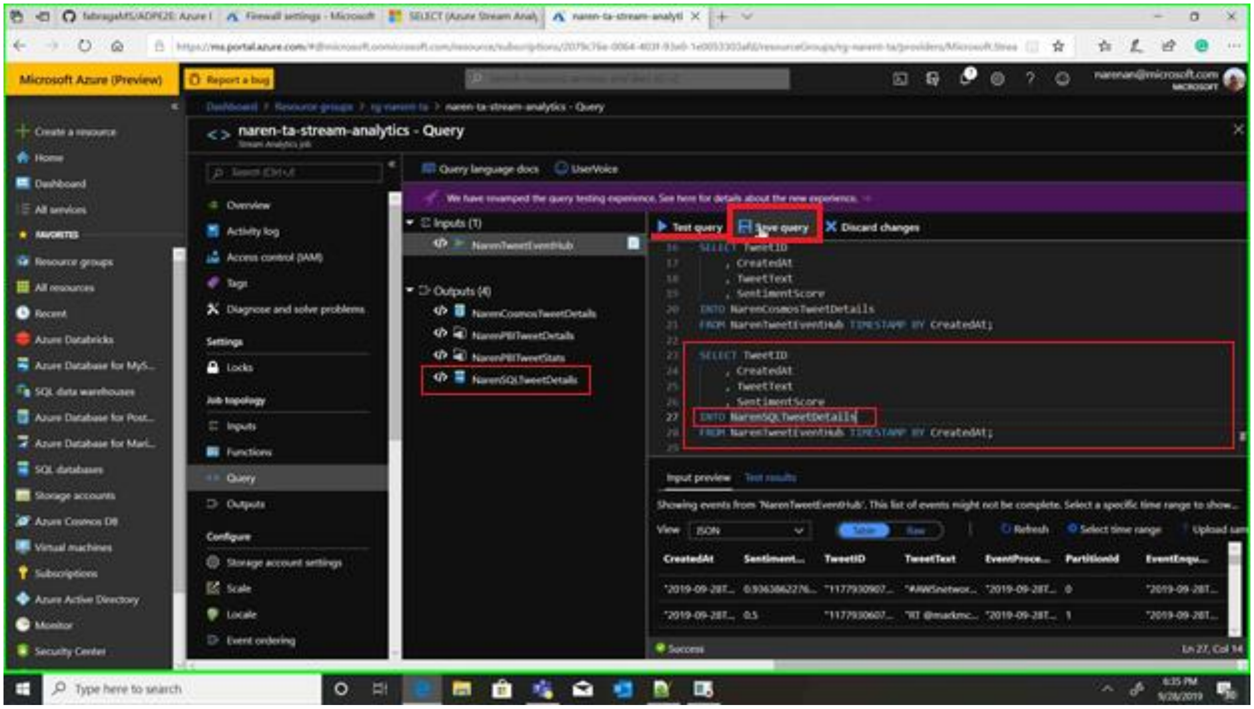
○ Inherit partition scheme of previous query step or input

Max batch count: 10000

If the chosen resource and the stream analytics job are located in different regions, you will be billed to move data between regions.

Step 21: In the query window go to the end of the query and enter the following query which send the Tweet Details output to the SQL Database table. Click Save query button to save the query. Also, you can click Test query button to test the query and validate the result set.

```
SELECT TweetID
        , CreatedAt
        , TweetText
        , SentimentScore
INTO NarenSQLTweetDetails
FROM NarenTweetEventHub TIMESTAMP BY CreatedAt;
```



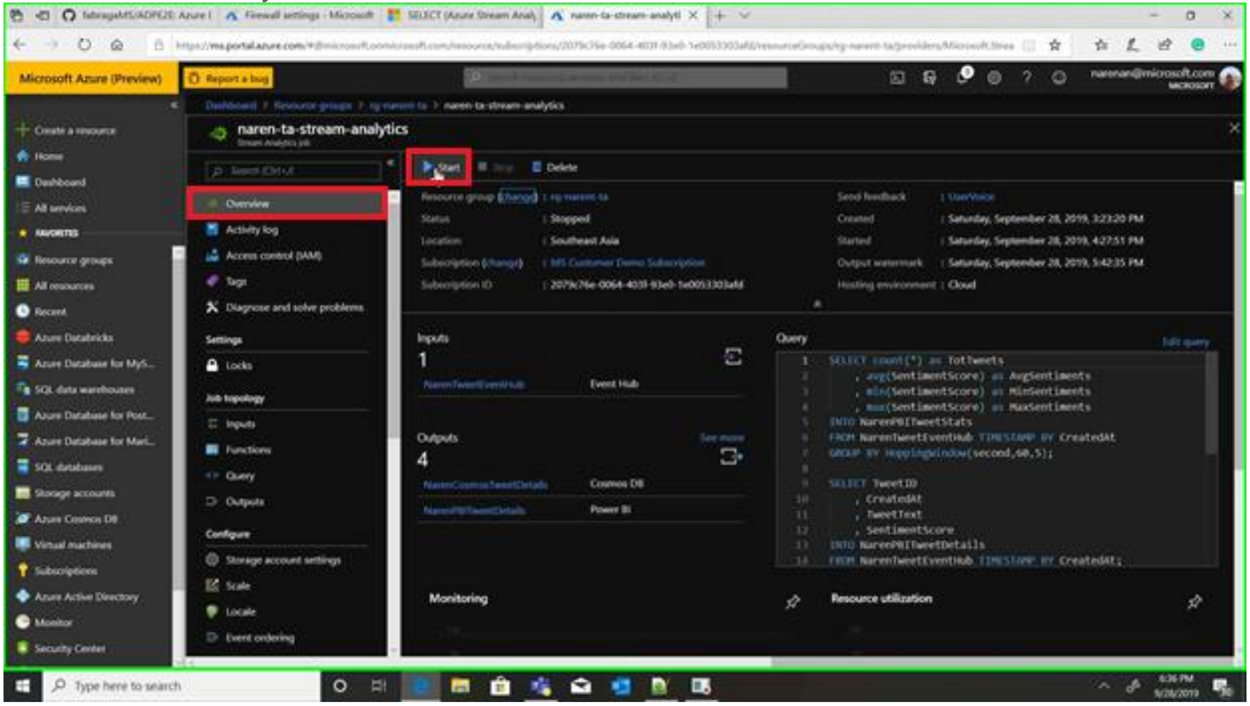
```
SELECT TweetID
     , CreatedAt
     , TweetText
     , SentimentScore
INTO NarenCosmosTweetDetails
FROM NarenTweetEventHub TIMESTAMP BY CreatedAt;

SELECT TweetID
     , CreatedAt
     , TweetText
     , SentimentScore
INTO NarenSQLTweetDetails
FROM NarenTweetEventHub TIMESTAMP BY CreatedAt;
```

Showing events from 'NarenTweetEventHub'. This list of events might not be complete. Select a specific time range to show...

View: JSON

CreatedAt	Sentiment...	TweetID	TweetText	EventProce...	PartitionId	EventEnqu...
"2019-09-28T...	0.9363862276...	"1177930907...	"#AWSnetwor...	"2019-09-28T...	0	"2019-09-28T...
"2019-09-28T...	0.5	"1177930607...	"RT @markmc...	"2019-09-28T...	1	"2019-09-28T...

Step 22: After saving the queries successfully, go to the overview tab and click Start button to run the Stream Analytics Job.



Resource group (change) : rg-naren-ta
Status : Stopped
Location : Southeast Asia
Subscription (change) : MS Customer Demo Subscription
Subscription ID : 2079c76e-0064-4039-93e0-1e0053303afd
Send feedback : UserVoice
Created : Saturday, September 28, 2019, 3:23:20 PM
Started : Saturday, September 28, 2019, 4:27:51 PM
Output watermark : Saturday, September 28, 2019, 5:42:35 PM
Hosting environment : Cloud

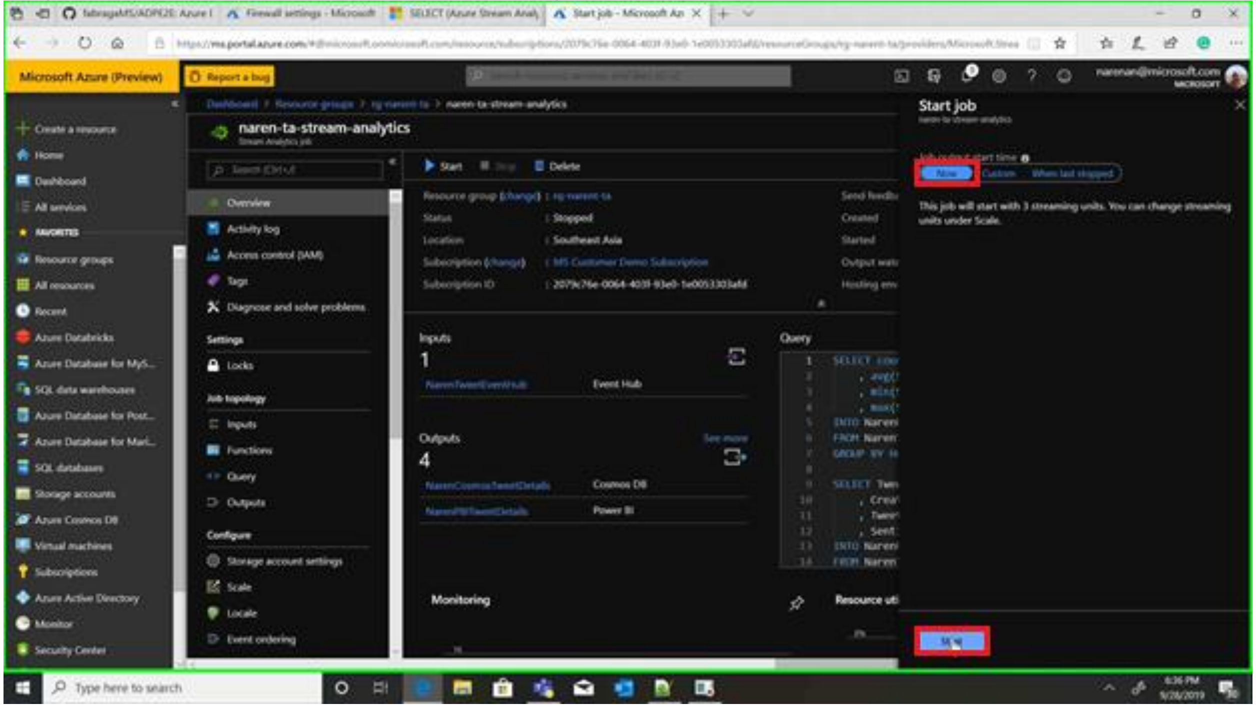
Inputs
1
NarenTweetEventHub Event Hub

Outputs
4
NarenCosmosTweetDetails Cosmos DB
NarenPBITweetDetails Power BI

Query

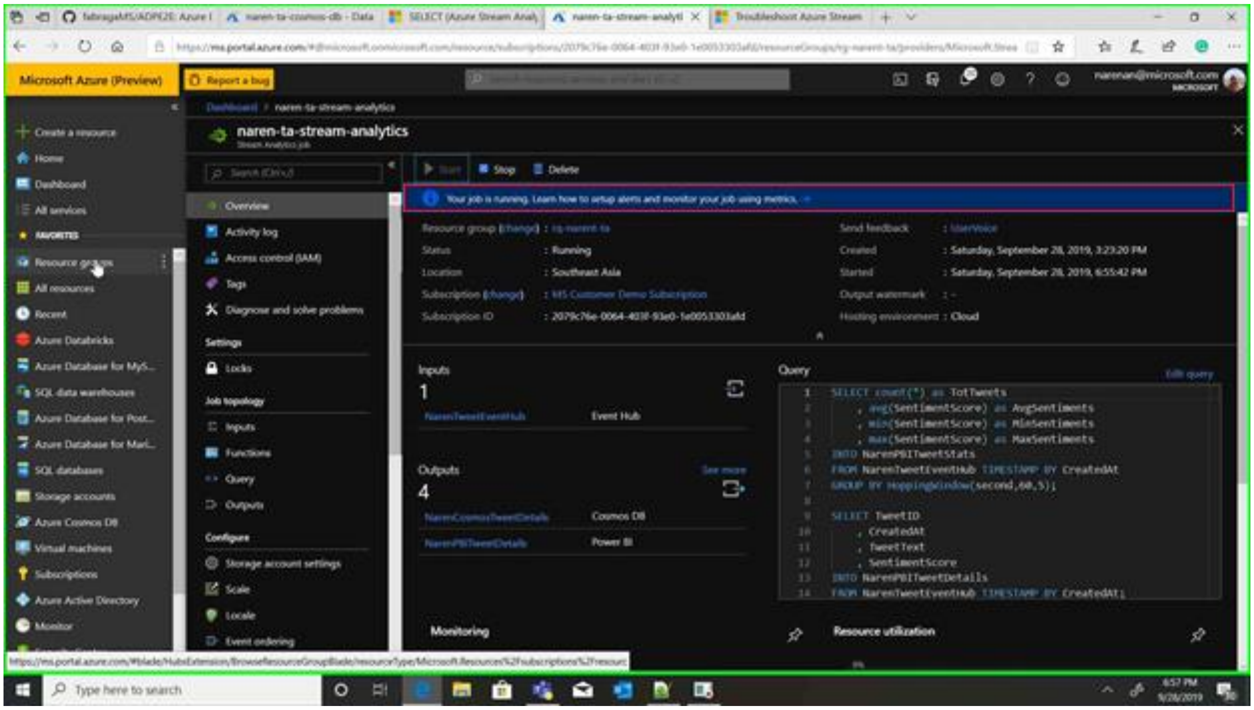
```
SELECT count(*) as TotTweets
     , avg(SentimentScore) as AvgSentiments
     , min(SentimentScore) as MinSentiments
     , max(SentimentScore) as MaxSentiments
INTO NarenPBITweetStats
FROM NarenTweetEventHub TIMESTAMP BY CreatedAt
GROUP BY HoppingWindow(second,60,5);

SELECT TweetID
     , CreatedAt
     , TweetText
     , SentimentScore
INTO NarenPBITweetDetails
FROM NarenTweetEventHub TIMESTAMP BY CreatedAt;
```

Step 23: On Start Job blade click Now and press Start button



This job will start with 3 streaming units. You can change streaming units under Scale.

Step 24: Stream Analytics job is started now. This job will use tweets details for "#Azure" word as an input send by the event hub (thru logic apps) and forward it to the Power BI for real-time analytics. It also forwards this as a table to the SQL Database and as collection to the Cosmos DB.



Your job is running. Learn how to setup alerts and monitor your job using metrics. →

Resource group (change) : rg-narent-ta
Status : Running
Location : Southeast Asia
Subscription (change) : MS Customer Demo Subscription
Subscription ID : 2079c76e-0064-403f-93e0-1e0053303afd
Send feedback : UserVoice
Created : Saturday, September 28, 2019, 3:23:20 PM
Started : Saturday, September 28, 2019, 6:55:42 PM
Output watermark : -
Hosting environment : Cloud

Inputs
1

NarenTweetEventHub	Event Hub

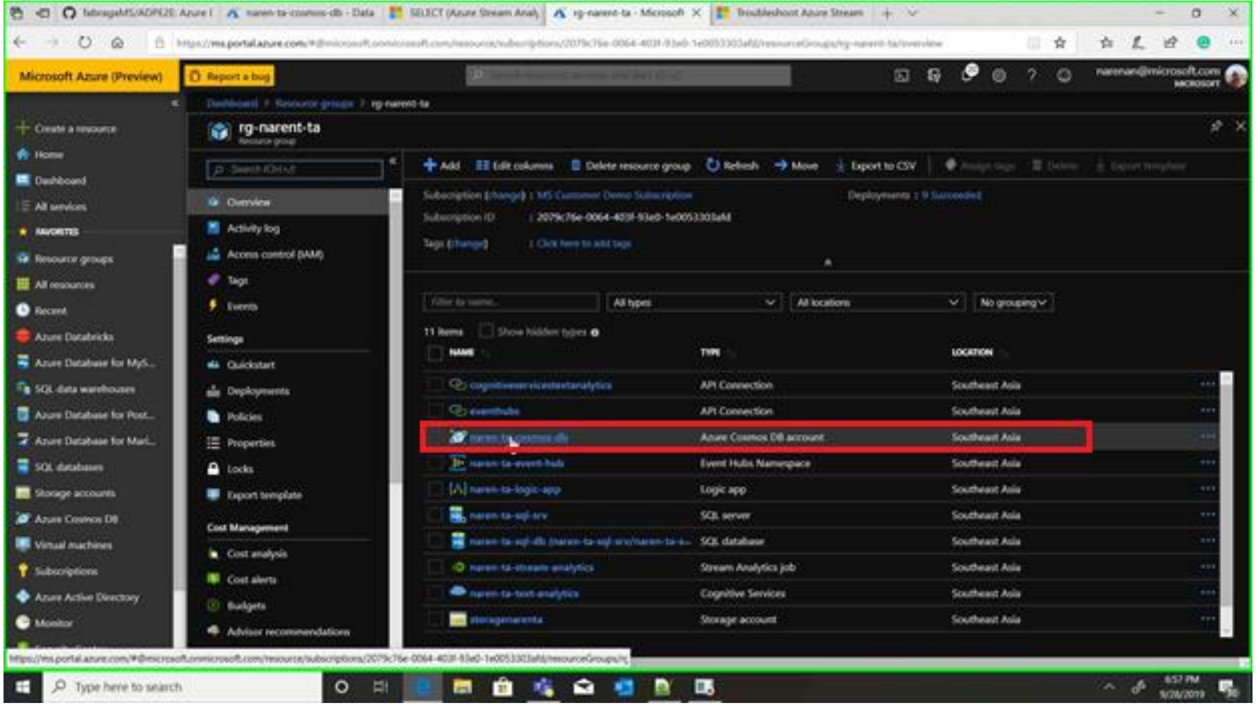
Outputs
4

NarenCosmosTweetDetails	Cosmos DB
NarenPBITweetDetails	Power BI

Query

```
SELECT count(*) as TotTweets
     , avg(SentimentScore) as AvgSentiments
     , min(SentimentScore) as MinSentiments
     , max(SentimentScore) as MaxSentiments
INTO NarenPBITweetStats
FROM NarenTweetEventHub TIMESTAMP BY CreatedAt
GROUP BY HoppingWindow(second,60,5);

SELECT TweetID
     , CreatedAt
     , TweetText
     , SentimentScore
INTO NarenPBITweetDetails
FROM NarenTweetEventHub TIMESTAMP BY CreatedAt;
```

Step 25: Let's find out in Cosmos DB whether tweet details are storing it in collection or not. For this will go to the resource group where Cosmos DB is created and click on Cosmos DB name to open it.

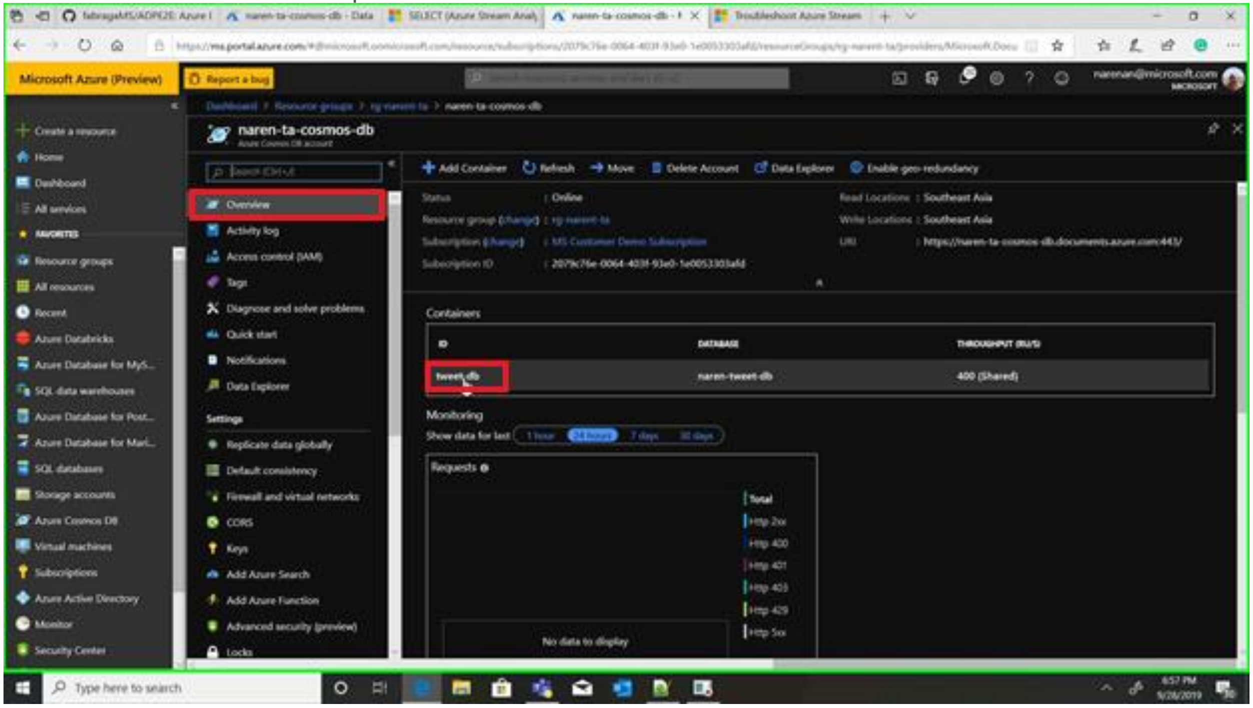


Subscription (change) : MS Customer Demo Subscription
Subscription ID : 2079c76e-0064-403f-93e0-1e0053303afd
Tags (change) : Click here to add tags
Deployments : 9 Succeeded

11 items

NAME	TYPE	LOCATION
cognitiveservicestextanalytics	API Connection	Southeast Asia
eventhubs	API Connection	Southeast Asia
naren-ta-cosmos-db	Azure Cosmos DB account	Southeast Asia
naren-ta-event-hub	Event Hubs Namespace	Southeast Asia
naren-ta-logic-app	Logic app	Southeast Asia
naren-ta-sql-srv	SQL server	Southeast Asia
naren-ta-sql-db (naren-ta-sql-srv/naren-ta-s...	SQL database	Southeast Asia
naren-ta-stream-analytics	Stream Analytics job	Southeast Asia
naren-ta-text-analytics	Cognitive Services	Southeast Asia
storagenarenta	Storage account	Southeast Asia

Step 26: Click Overview tab on Cosmos DB blade and select the container which we have used to store the Tweet Details output.

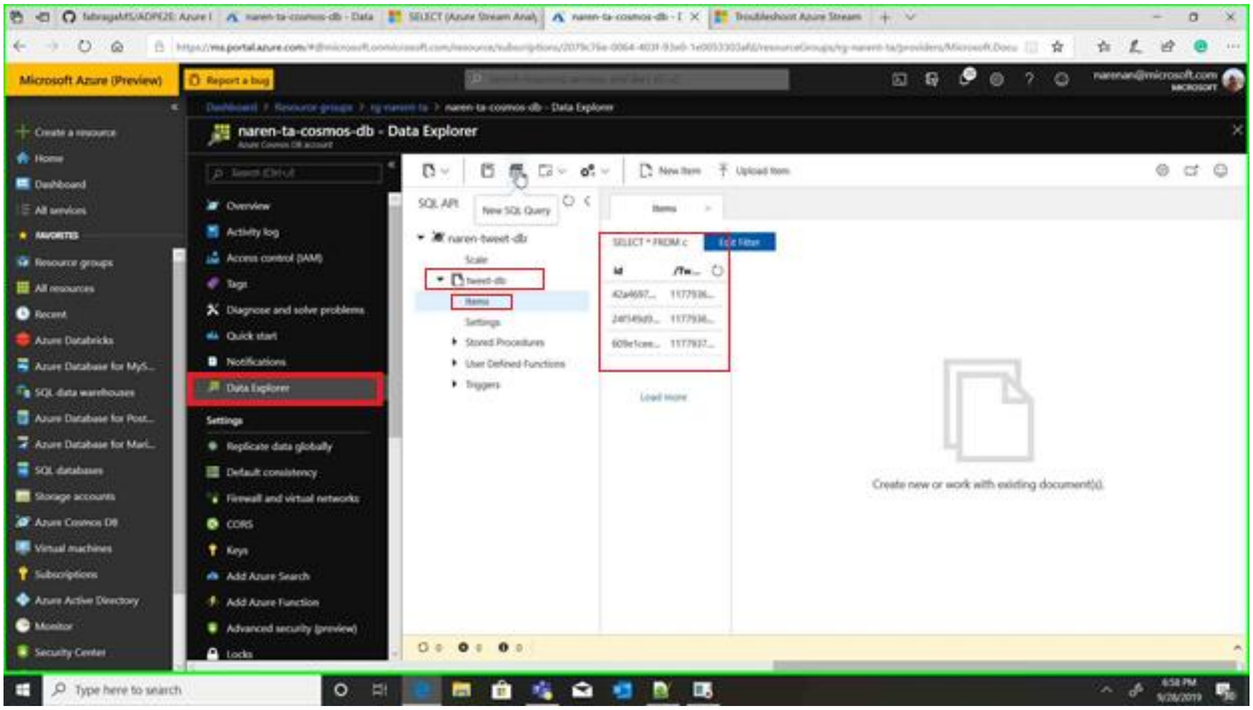


Status : Online
Resource group (change) : rg-naren-ta
Subscription (change) : MS Customer Demo Subscription
Subscription ID : 2079c76e-0064-403f-93e0-1e0053303afd
Read Locations : Southeast Asia
Write Locations : Southeast Asia
URI : https://naren-ta-cosmos-db.documents.azure.com:443/

Containers

ID	DATABASE	THROUGHPUT (RU/S)
tweet-db	naren-tweet-db	400 (Shared)

Step 27: Open the Data Explorer. Select appropriate containers. You will see that tweet details in Item Tabs

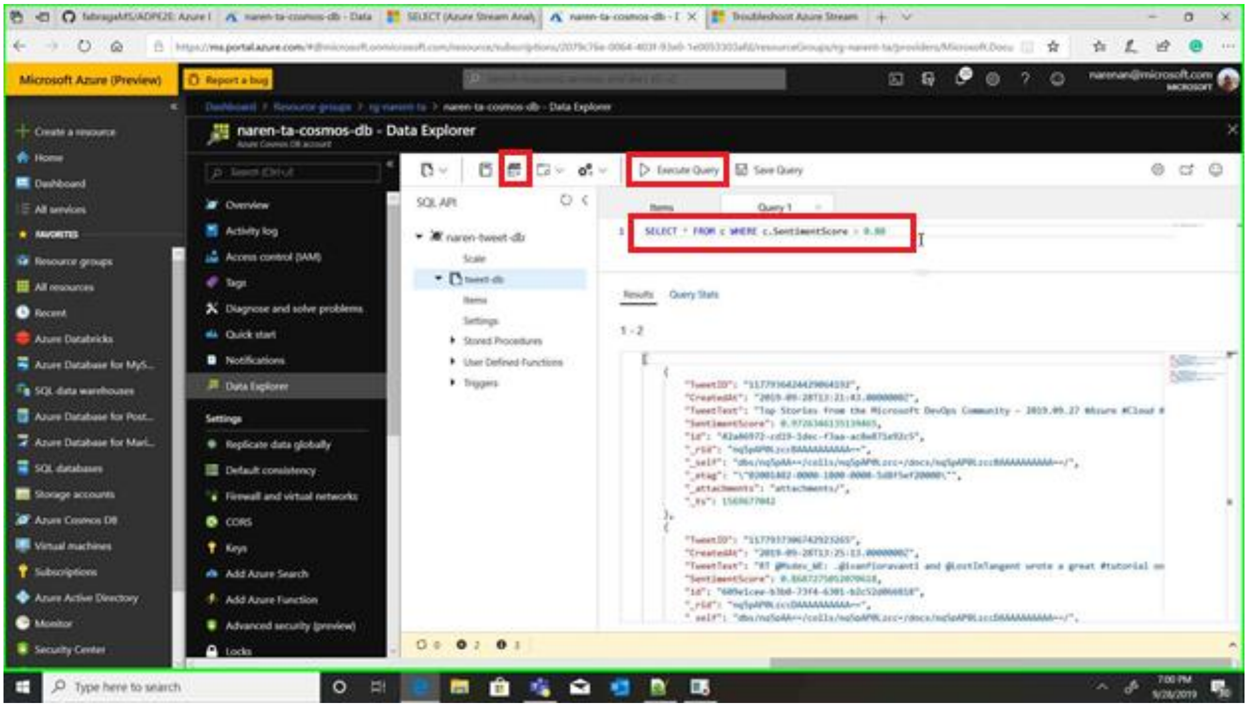


SELECT * FROM c

id	/Tw...
42a4697...	1177936...
24f149d9...	1177936...
609e1cee...	1177937...

Step 28: Additionally, you can open the new query window and run the following query to view the tweet details where SentimentScore > 0.80. Now you can create application which use this container as a source, and you will enjoy the power of Cosmos DB.

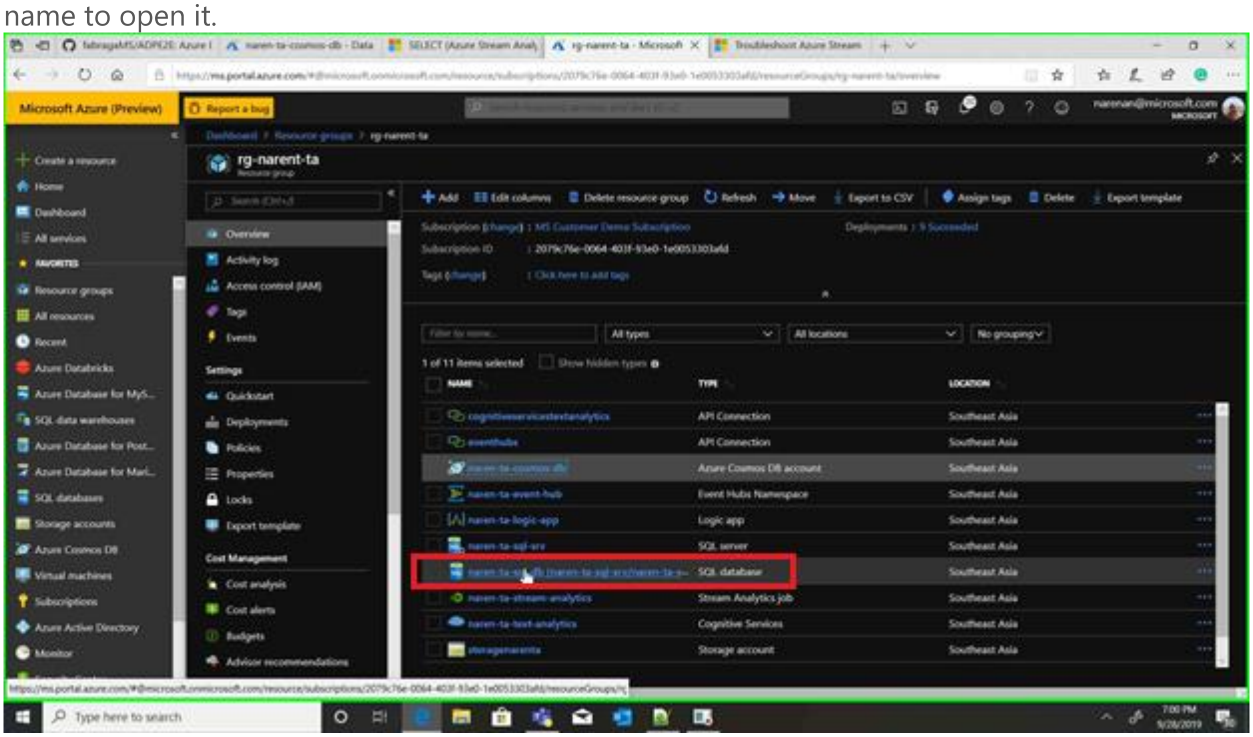
SELECT * FROM c WHERE c.SentimentScore > 0.80



```
SELECT * FROM c WHERE c.SentimentScore > 0.80
```

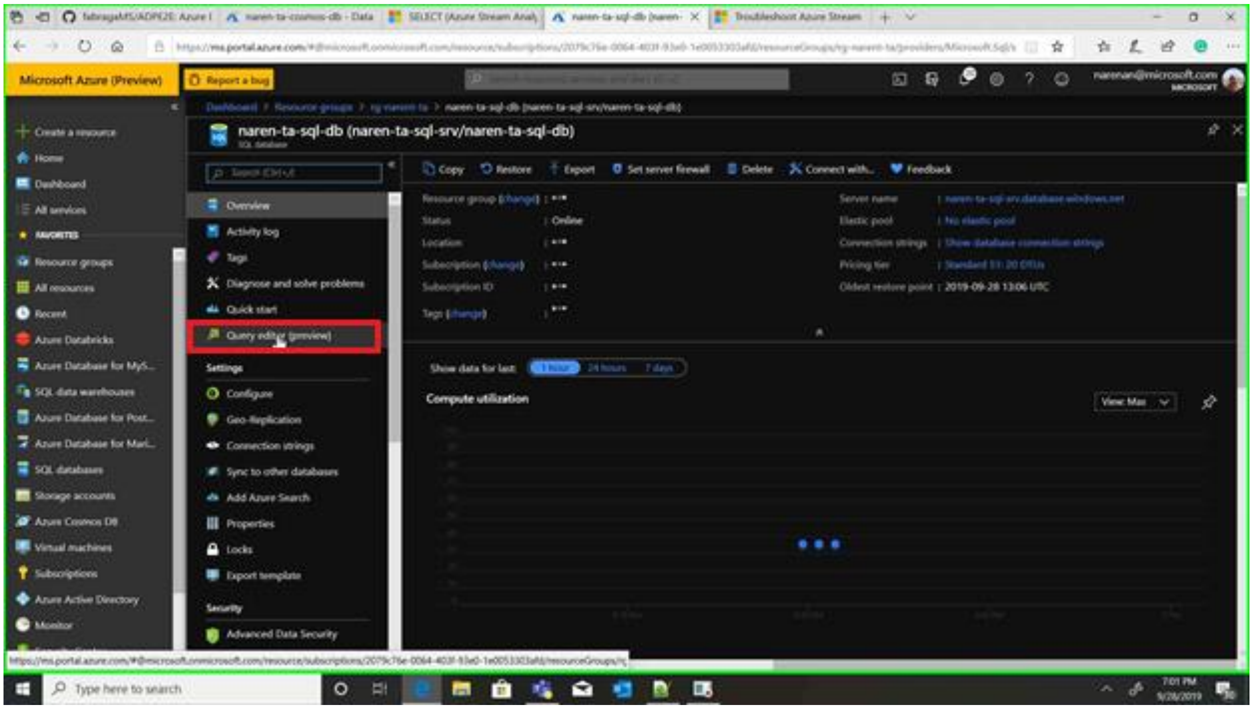
```
[
    {
        "TweetID": "1177936424429064192",
        "CreatedAt": "2019-09-28T13:21:43.0000000Z",
        "TweetText": "Top Stories from the Microsoft DevOps Community - 2019.09.27 #Azure #Cloud #
        "SentimentScore": 0.9726346135139465,
        "id": "42a06972-cd19-3dec-f3aa-ac8e871a92c5",
        "_rid": "nq5pAPRLzcc8AAAAAAAAAA==",
        "_self": "dbs/nq5pAA==/colls/nq5pAPRLzcc=/docs/nq5pAPRLzcc8AAAAAAAAAA==/",
        "_etag": "\"02001402-0000-1800-0000-5d8f5ef20000\"",
        "_attachments": "attachments/",
        "_ts": 1569677042
    },
    {
        "TweetID": "1177937306742923265",
        "CreatedAt": "2019-09-28T13:25:13.0000000Z",
        "TweetText": "RT @Msdev_WE: .@ivanfioravanti and @LostInTangent wrote a great #tutorial on
        "SentimentScore": 0.8687275052070618,
        "id": "609e1cee-b3b8-73f4-6301-b2c52d066818",
        "_rid": "nq5pAPRLzccDAAAAAAAAAA==",
        "_self": "dbs/nq5pAA==/colls/nq5pAPRLzcc=/docs/nq5pAPRLzccDAAAAAAAAAA==/",
```

Step 29: Let's find out in SQL Database whether tweet details are storing it in the table or not. For this will go to the resource group where SQL Database is created and click on SQL Database name to open it.



NAME	TYPE	LOCATION
cognitiveservicestextanalytics	API Connection	Southeast Asia
eventhubs	API Connection	Southeast Asia
naren-ta-cosmos-db	Azure Cosmos DB account	Southeast Asia
naren-ta-event-hub	Event Hubs Namespace	Southeast Asia
naren-ta-logic-app	Logic app	Southeast Asia
naren-ta-sql-srv	SQL server	Southeast Asia
naren-ta-sql-db (naren-ta-sql-srv/naren-ta-s...	SQL database	Southeast Asia
naren-ta-stream-analytics	Stream Analytics job	Southeast Asia
naren-ta-text-analytics	Cognitive Services	Southeast Asia
storagenarenta	Storage account	Southeast Asia

Step 30: On SQL Database blade click on Query Edition to query the Table where we have stored tweet details.



naren-ta-sql-db (naren-ta-sql-srv/naren-ta-sql-db)

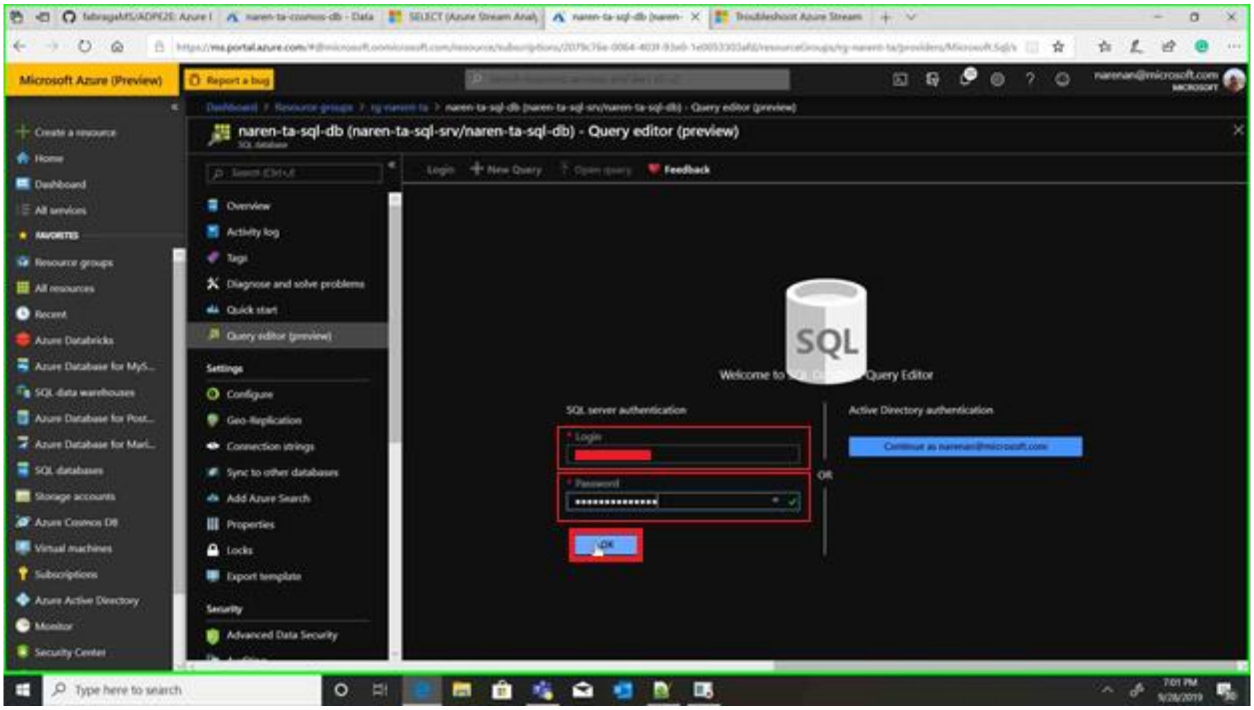
Resource group (change) : •••
Status : Online
Location : •••
Subscription (change) : •••
Subscription ID : •••
Tags (change) : •••

Server name : naren-ta-sql-srv.database.windows.net
Elastic pool : No elastic pool
Connection strings : Show database connection strings
Pricing tier : Standard S1: 20 DTUs
Oldest restore point : 2019-09-28 13:06 UTC

Show data for last: 1 hour 24 hours 7 days

Compute utilization

Step 31: Use SQL Authentication to connect to the SQL Database. Enter Username, Password and click OK button to connect.



naren-ta-sql-db (naren-ta-sql-srv/naren-ta-sql-db) - Query editor (preview)

Welcome to SQL Database Query Editor

SQL server authentication

* Login [redacted]

* Password ••••••••••••••

OK

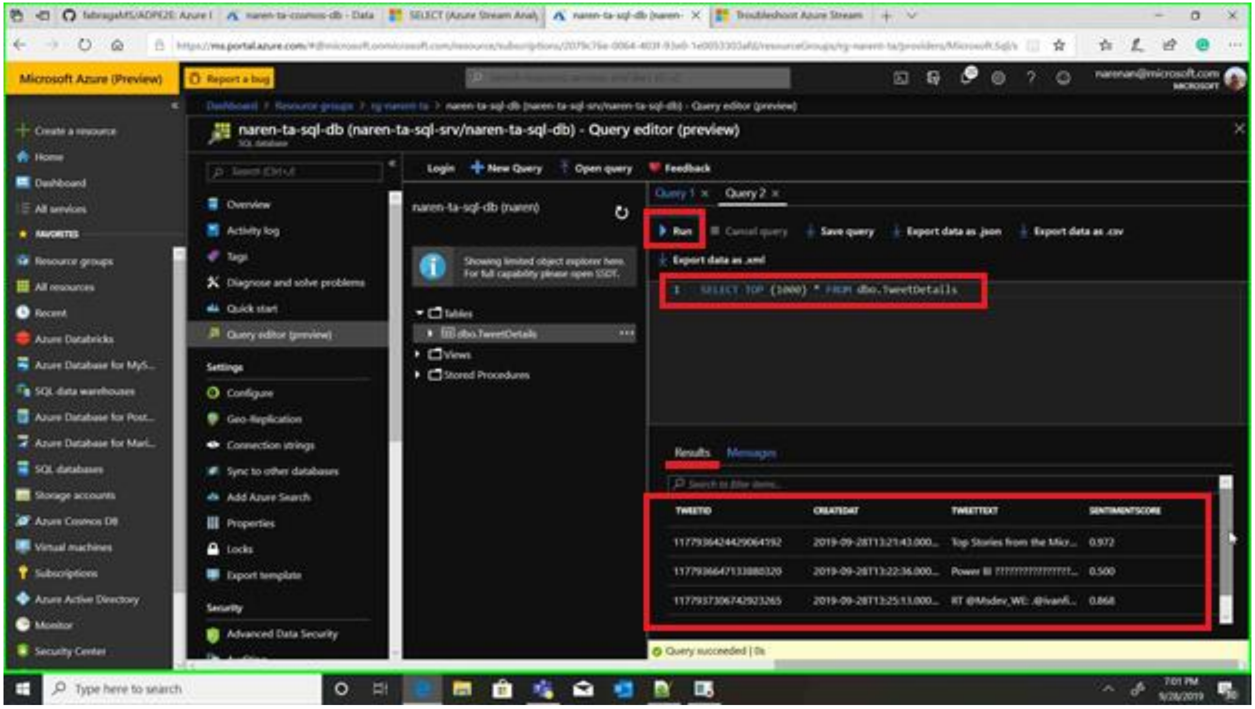
OR

Active Directory authentication

Continue as narenan@microsoft.com

Step 32: In query window type the following query and execute the Run button. You will see the query result in the result pane.

SELECT TOP (1000) FROM dbo.TweetDetails



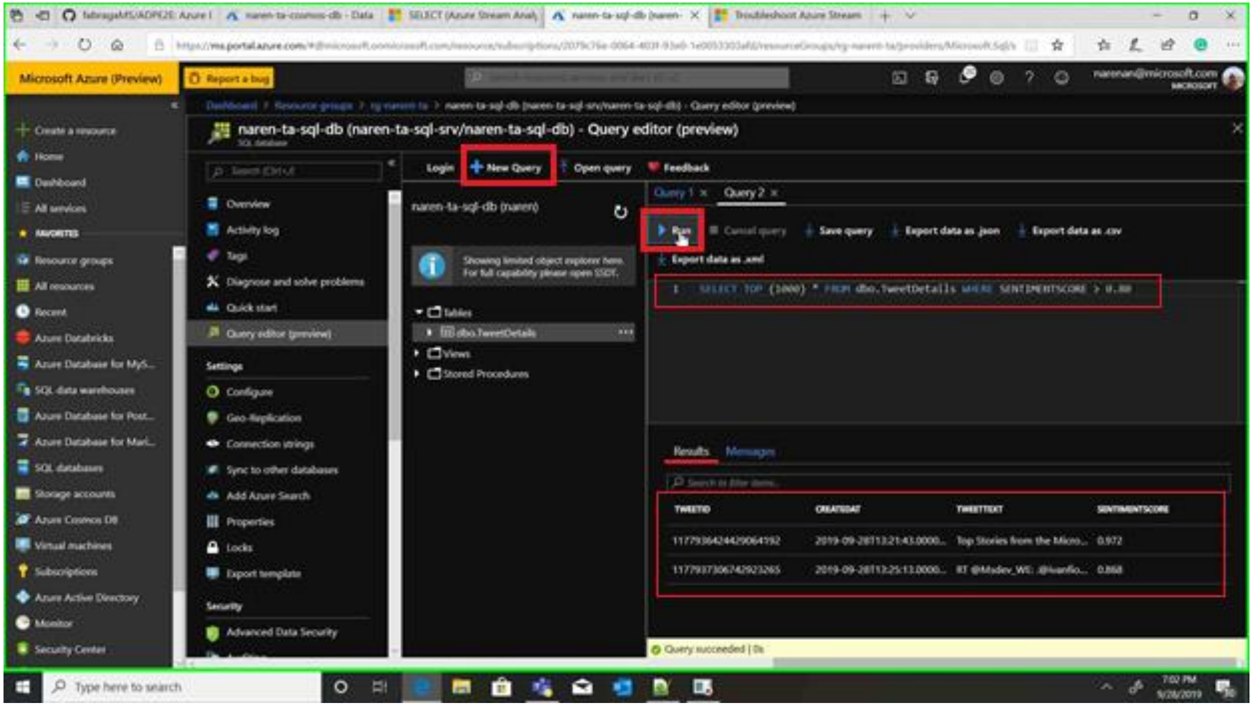
```
1   SELECT TOP (1000) * FROM dbo.TweetDetails
```

TWEETID	CREATEDAT	TWEETTEXT	SENTIMENTSCORE
1177936424429064192	2019-09-28T13:21:43.000...	Top Stories from the Micr...	0.972
1177936647133880320	2019-09-28T13:22:36.000...	Power BI ???????????????...	0.500
1177937306742923265	2019-09-28T13:25:13.000...	RT @Msdev_WE: @ivanfi...	0.868

Query succeeded | 0s

Step 33: Additionally, you can open the new query window and run the following query to view the tweet details where SentimentScore > 0.80. Now you can create application which use this container as a source, and you will enjoy the power of SQL Database.

SELECT TOP (1000) FROM dbo.TweetDetails WHERE SENTIMENTSCORE > 0.80



```
1   SELECT TOP (1000) * FROM dbo.TweetDetails WHERE SENTIMENTSCORE > 0.80
```

TWEETID	CREATEDAT	TWEETTEXT	SENTIMENTSCORE
1177936424429064192	2019-09-28T13:21:43.0000...	Top Stories from the Micro...	0.972
1177937306742923265	2019-09-28T13:25:13.0000...	RT @Msdev_WE: @ivanfio...	0.868

Query succeeded | 0s

Congratulations! Stream Analytics Job got executed successfully.