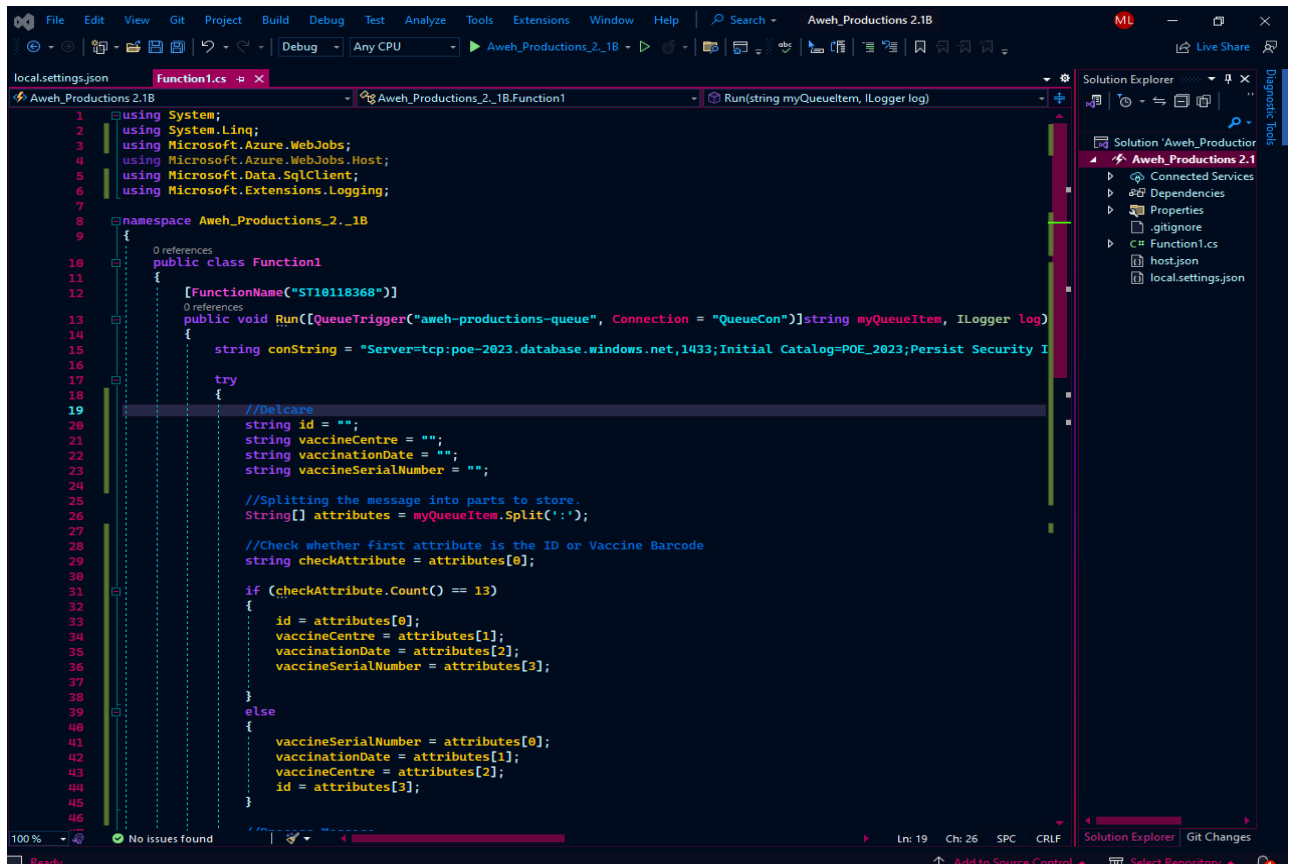
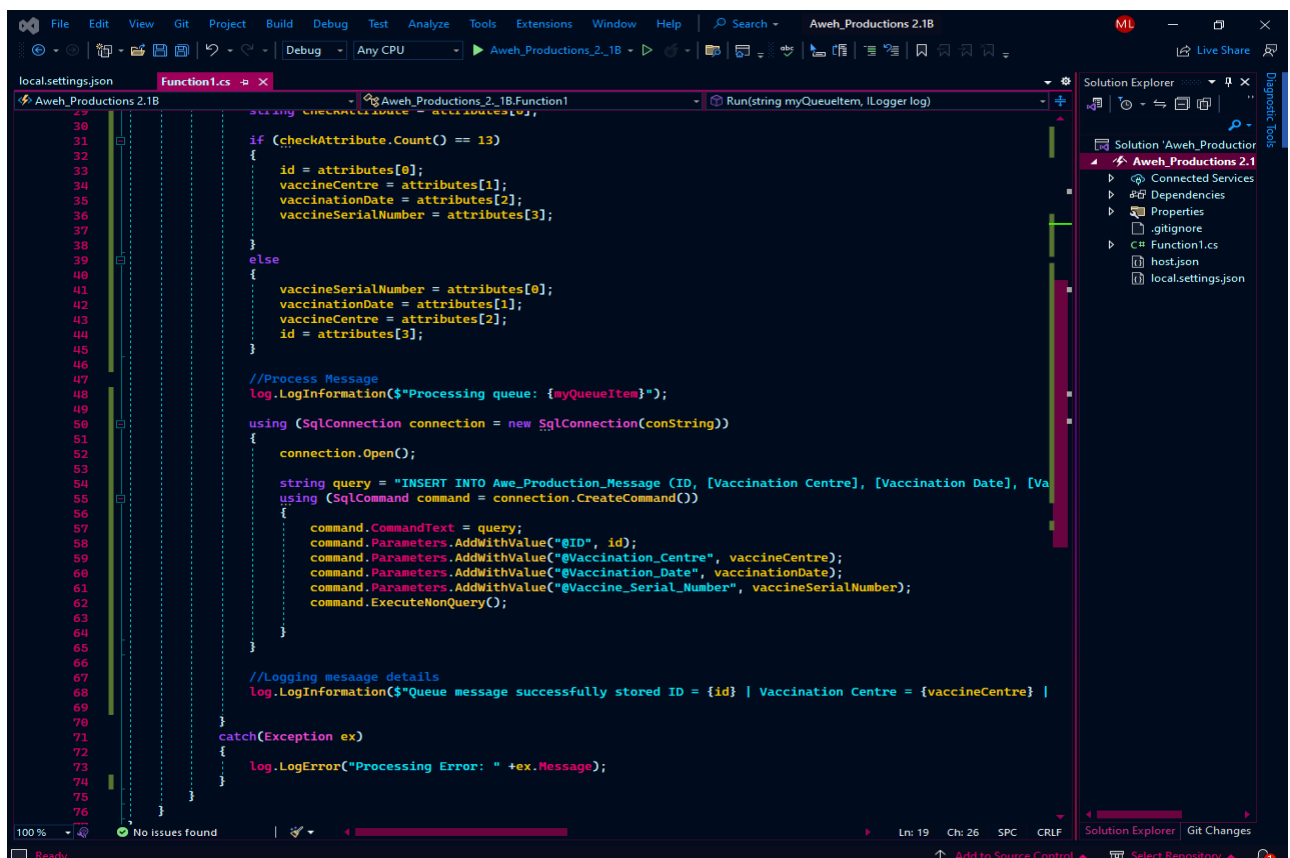


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Function Code



```
1 using System;
2 using System.Linq;
3 using Microsoft.Azure.WebJobs;
4 using Microsoft.Data.SqlClient;
5 using Microsoft.Extensions.Logging;
6
7 namespace Aweh_Productions_2_1B
8 {
9     public class Function1
10     {
11         [FunctionName("ST10118368")]
12         public void Run([QueueTrigger("aweh-productions-queue", Connection = "QueueCon")]string myQueueItem, ILogger log)
13         {
14             string conString = "Server=tcp:poe-2023.database.windows.net,1433;Initial Catalog=POE_2023;Persist Security I
15
16             try
17             {
18                 //Declare
19                 string id = "";
20                 string vaccineCentre = "";
21                 string vaccinationDate = "";
22                 string vaccineSerialNumber = "";
23
24                 //Splitting the message into parts to store.
25                 String[] attributes = myQueueItem.Split(':');
26
27                 //Check whether first attribute is the ID or Vaccine Barcode
28                 string checkAttribute = attributes[0];
29
30                 if (checkAttribute.Count() == 13)
31                 {
32                     id = attributes[0];
33                     vaccineCentre = attributes[1];
34                     vaccinationDate = attributes[2];
35                     vaccineSerialNumber = attributes[3];
36                 }
37                 else
38                 {
39                     vaccineSerialNumber = attributes[0];
40                     vaccinationDate = attributes[1];
41                     vaccineCentre = attributes[2];
42                     id = attributes[3];
43                 }
44             }
45         }
46     }
```



```
47         //Process Message
48         log.LogInformation($"Processing queue: {myQueueItem}");
49         using (SqlConnection connection = new SqlConnection(conString))
50         {
51             connection.Open();
52
53             string query = "INSERT INTO Awe_Production_Message (ID, [Vaccination Centre], [Vaccination Date], [Va
54             using (SqlCommand command = connection.CreateCommand)
55             {
56                 command.CommandText = query;
57                 command.Parameters.AddWithValue("@ID", id);
58                 command.Parameters.AddWithValue("@Vaccination_Centre", vaccineCentre);
59                 command.Parameters.AddWithValue("@Vaccination_Date", vaccinationDate);
60                 command.Parameters.AddWithValue("@Vaccine_Serial_Number", vaccineSerialNumber);
61                 command.ExecuteNonQuery();
62             }
63
64             //Logging message details
65             log.LogInformation($"Queue message successfully stored ID = {id} | Vaccination Centre = {vaccineCentre} |
66
67         catch (Exception ex)
68         {
69             log.LogError("Processing Error: " + ex.Message);
70         }
71     }
72 }
73
74
75
76
```

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Group1

```
local.setting C:\Users\User\AppData\Local\
Awch_Productions 2.1B
[2023-10-16T08:37:53.008Z] Queue message successfully stored ID = 0501014816083 | Vaccination Centre = Ackermans Pharmac
y | Vaccination Date = 01/01/2023 | Vaccine Serial Number = P29875495791458
[2023-10-16T08:37:53.013Z] Executed 'ST10118368' (Succeeded, Id=94d8208c-9a47-4f05-9cb0-08d4e6ddbe03, Duration=1054ms)
[2023-10-16T08:37:53.013Z] Executed 'ST10118368' (Succeeded, Id=18c62651-c7c3-4071-86f5-577c96cfff6e, Duration=1051ms)
[2023-10-16T08:37:53.018Z] Queue message successfully stored ID = 0101014815083 | Vaccination Centre = Botlalo Pharmacy
| Vaccination Date = 22/08/2023 | Vaccine Serial Number = J85967547649083
[2023-10-16T08:37:53.020Z] Executed 'ST10118368' (Succeeded, Id=ffb41ee6-3462-478d-8f35-5d99b99f2671, Duration=1070ms)
[2023-10-16T08:37:53.029Z] Queue message successfully stored ID = 9910125015083 | Vaccination Centre = San Ridge Health
Care | Vaccination Date = 03/06/2023 | Vaccine Serial Number = 1245789630
[2023-10-16T08:37:53.030Z] Executed 'ST10118368' (Succeeded, Id=5d0223ac-ec07-4014-86ce-8a9311e75d66, Duration=1083ms)
[2023-10-16T08:37:53.040Z] Queue message successfully stored ID = 0501014816083 | Vaccination Centre = Lily Pharmacy | V
accination Date = 27/02/2023 | Vaccine Serial Number = 3575789630
[2023-10-16T08:37:53.041Z] Executed 'ST10118368' (Succeeded, Id=b53092e0-68a3-498d-a014-7b3bc638baab, Duration=1084ms)
[2023-10-16T08:37:53.050Z] Queue message successfully stored ID = 8505288055081 | Vaccination Centre = Lily Pharmacy | V
accination Date = 03/05/2023 | Vaccine Serial Number = J09987547646351
[2023-10-16T08:37:53.052Z] Executed 'ST10118368' (Succeeded, Id=9a7212f4-8e9a-4764-bf7c-aad3700ac61b, Duration=1086ms)
[2023-10-16T08:37:53.071Z] Queue message successfully stored ID = 8505288055081 | Vaccination Centre = San Ridge Health
Care | Vaccination Date = 15/06/2023 | Vaccine Serial Number = 5985789630
[2023-10-16T08:37:53.078Z] Executed 'ST10118368' (Succeeded, Id=d165d28a-2845-4fc3-aa6b-e616b110bc74, Duration=1103ms)
[2023-10-16T08:37:53.083Z] Queue message successfully stored ID = 0005280015087 | Vaccination Centre = Waterfall Netcare
| Vaccination Date = 30/11/2023 | Vaccine Serial Number = J19987547648567
[2023-10-16T08:37:53.092Z] Executed 'ST10118368' (Succeeded, Id=f7e9f8d2-8ed8-4c90-97e8-14326a7160a2, Duration=1110ms)
[2023-10-16T08:37:53.101Z] Queue message successfully stored ID = 0005280015087 | Vaccination Centre = Ackermans Pharmac
y | Vaccination Date = 31/12/2023 | Vaccine Serial Number = 1025789630
[2023-10-16T08:37:53.107Z] Executed 'ST10118368' (Succeeded, Id=b4e42659-6b1a-4ed1-9f81-47549a8a4c05, Duration=1117ms)
[2023-10-16T08:37:53.331Z] Queue message successfully stored ID = 9910125015083 | Vaccination Centre = Waterfall Netcare
| Vaccination Date = 02/05/2023 | Vaccine Serial Number = P09987547649083
[2023-10-16T08:37:53.332Z] Executed 'ST10118368' (Succeeded, Id=7ff2d078-ce3b-4f55-be8d-d9ea8c315442, Duration=1463ms)
[2023-10-16T08:37:56.297Z] Host lock lease acquired by instance ID '0000000000000000000000002AB4FD61'.
command.Parameters.AddWithValue("@Vaccination_Date", vaccinationDate);
```

Console Code

```
Program.cs
using Azure.Storage.Queues;
using Azure.Storage.Queues.Models;

//Connection String
string connectionString = "DefaultEndpointsProtocol=https;AccountName=awchproduction;AccountKey=qypvKxtFnqAZdj0fPhmZn";

//Queue creation
string queueName = "awch-productions-queue";
QueueClient queueClient = new QueueClient(connectionString, queueName);

Console.WriteLine($"{queueName} is created.");
await queueClient.CreateIfNotExistsAsync();

//Insertion of Messages into Queue
Console.WriteLine($"Inserting messages into {queueName}...");

//Message duo 1
await queueClient.SendMessageAsync("9910125015083:Waterfall Netcare:02/05/2023:P09987547649083");
await queueClient.SendMessageAsync("1245789630:03/06/2023:San Ridge Health Care:9910125015083");

//Message duo 2
await queueClient.SendMessageAsync("0101014815083:Botlalo Pharmacy:22/08/2023:J85967547649083");
await queueClient.SendMessageAsync("0243549630:30/09/2023:Botlalo Pharmacy:0101014815083");

//Message duo 3
await queueClient.SendMessageAsync("0501014816083:Ackermans Pharmacy:01/01/2023:P29875495791458");
await queueClient.SendMessageAsync("3575789630:27/02/2023:Lily Pharmacy:0501014816083");

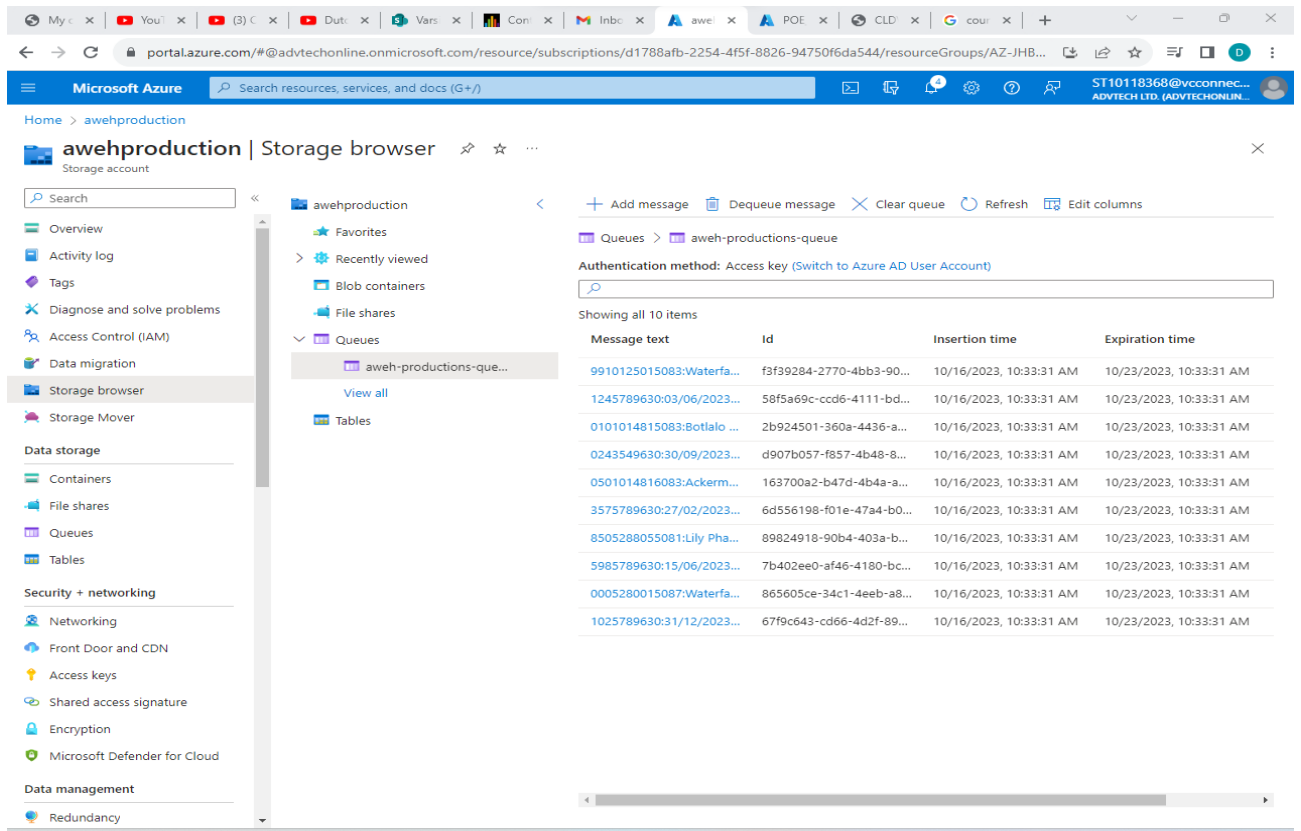
//Message duo 4
await queueClient.SendMessageAsync("8505288055081:Lily Pharmacy:03/05/2023:J09987547646351");
await queueClient.SendMessageAsync("5985789630:15/06/2023:San Ridge Health Care:8505288055081");

//Message duo 5
await queueClient.SendMessageAsync("0005280015087:Waterfall Netcare:30/11/2023:J19987547648567");
await queueClient.SendMessageAsync("1025789630:31/12/2023:Ackermans Pharmacy:0005280015087");

//Push messages into Queue
```

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Azure Queue Messages



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Home > awehiproduction | Storage browser

Storage account

Search

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Storage Mover
Data storage
Containers
File shares
Queues
Tables
Security + networking
Networking
Front Door and CDN
Access keys
Shared access signature
Encryption
Microsoft Defender for Cloud
Data management
Redundancy

awehiproduction

Favorites
Recently viewed
Blob containers
File shares
Queues
awehiproductions-queue...
View all
Tables

+ Add message Dequeue message Clear queue Refresh Edit columns

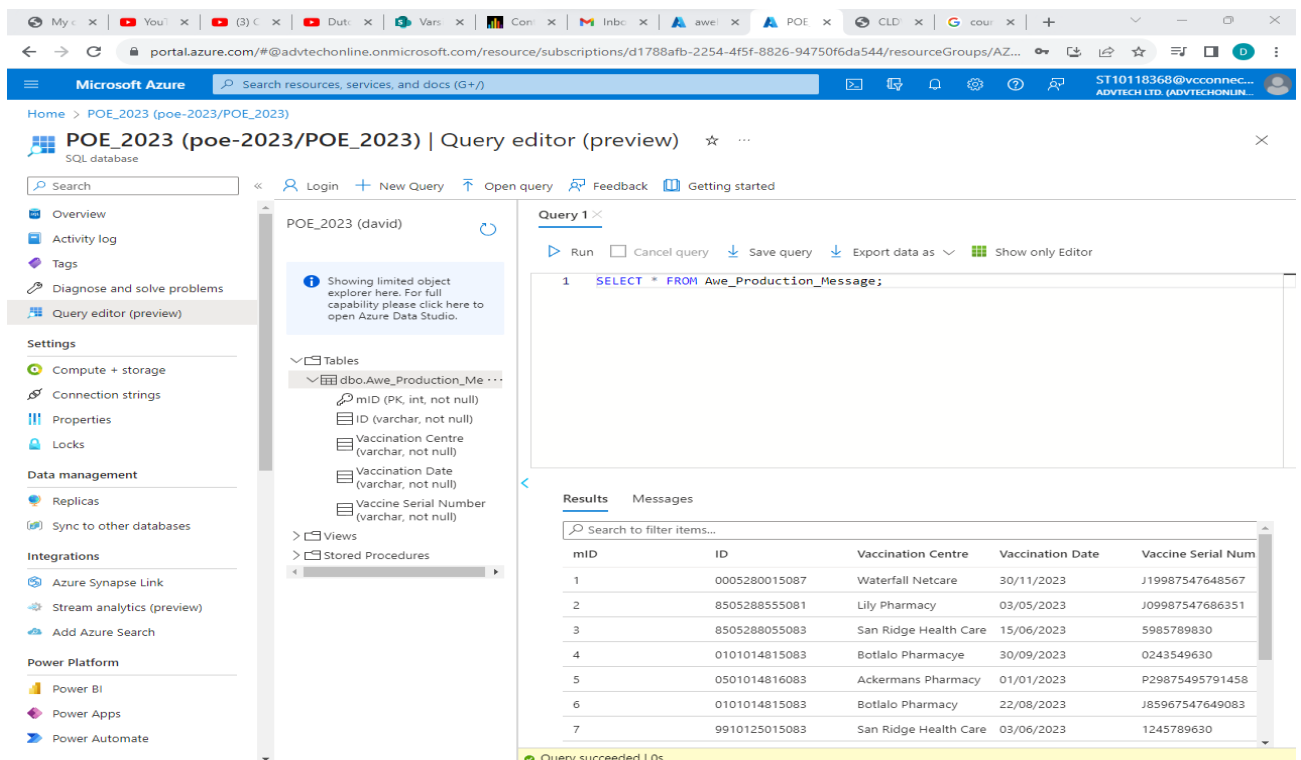
Queues > awehiproductions-queue

Authentication method: Access key (Switch to Azure AD User Account)

Showing all 10 items

Message text	Id	Insertion time	Expiration time
9910125015083:Waterfa...	f3f39284-2770-4bb3-90...	10/16/2023, 10:33:31 AM	10/23/2023, 10:33:31 AM
1245789630:03/06/2023...	58f5a69c-ccd6-4111-bd...	10/16/2023, 10:33:31 AM	10/23/2023, 10:33:31 AM
0101014815083:Botlalo ...	2b924501-360a-4436-a...	10/16/2023, 10:33:31 AM	10/23/2023, 10:33:31 AM
0243549630:30/09/2023...	d907b057-f857-4b48-8...	10/16/2023, 10:33:31 AM	10/23/2023, 10:33:31 AM
0501014816083:Ackerm...	163700a2-b47d-4b4a-a...	10/16/2023, 10:33:31 AM	10/23/2023, 10:33:31 AM
3575789630:27/02/2023...	6d556198-f01e-47a4-b0...	10/16/2023, 10:33:31 AM	10/23/2023, 10:33:31 AM
8505288055081:Lily Pha...	89824918-90b4-403a-b...	10/16/2023, 10:33:31 AM	10/23/2023, 10:33:31 AM
5985789630:15/06/2023...	7b402ee0-af46-4180-bc...	10/16/2023, 10:33:31 AM	10/23/2023, 10:33:31 AM
0005280015087:Waterfa...	865605ce-34c1-4eeb-a8...	10/16/2023, 10:33:31 AM	10/23/2023, 10:33:31 AM
1025789630:31/12/2023...	67f9c643-cd66-4d2f-89...	10/16/2023, 10:33:31 AM	10/23/2023, 10:33:31 AM

Azure Database



Microsoft Azure | Search resources, services, and docs (G+/I)

Home > POE_2023 (poe-2023/POE_2023) | Query editor (preview)

SQL database

Search

Overview
Activity log
Tags
Diagnose and solve problems
Query editor (preview)
Settings
Compute + storage
Connection strings
Properties
Locks
Data management
Replicas
Sync to other databases
Integrations
Azure Synapse Link
Stream analytics (preview)
Add Azure Search
Power Platform
Power BI
Power Apps
Power Automate

POE_2023 (david)

Showing limited object explorer here. For full capability please click here to open Azure Data Studio.

Tables
dbo.Awe_Production_Me...
mID (PK, int, not null)
ID (varchar, not null)
Vaccination Centre (varchar, not null)
Vaccination Date (varchar, not null)
Vaccine Serial Number (varchar, not null)

Views
Stored Procedures

Query 1

Run Cancel query Save query Export data as Show only Editor

1 SELECT * FROM Awe_Production_Message;

Results Messages

Search to filter items...

mID	ID	Vaccination Centre	Vaccination Date	Vaccine Serial Num
1	0005280015087	Waterfall Netcare	30/11/2023	J19987547648567
2	8505288555081	Lily Pharmacy	03/05/2023	J09987547686351
3	8505288055083	San Ridge Health Care	15/06/2023	5985789830
4	0101014815083	Botlalo Pharmacy	30/09/2023	0243549630
5	0501014816083	Ackermans Pharmacy	01/01/2023	P29875495791458
6	0101014815083	Botlalo Pharmacy	22/08/2023	J85967547649083
7	9910125015083	San Ridge Health Care	03/06/2023	1245789630

Query succeeded | 0s