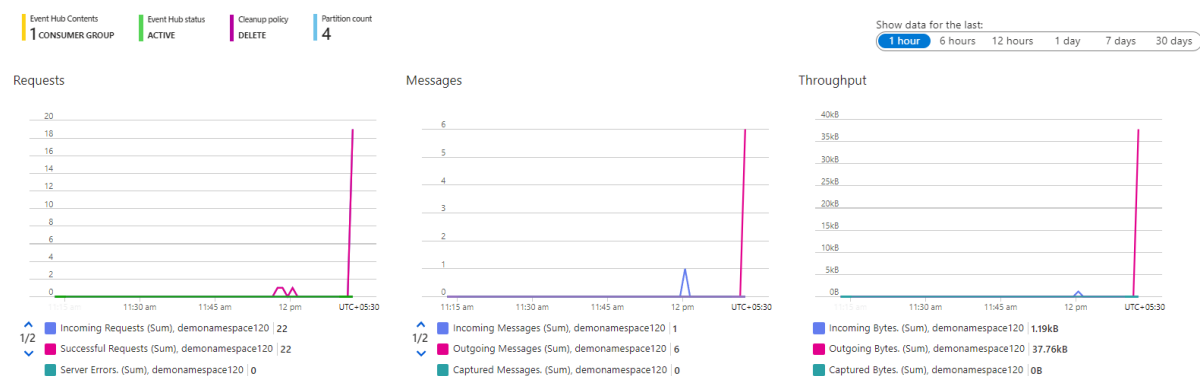




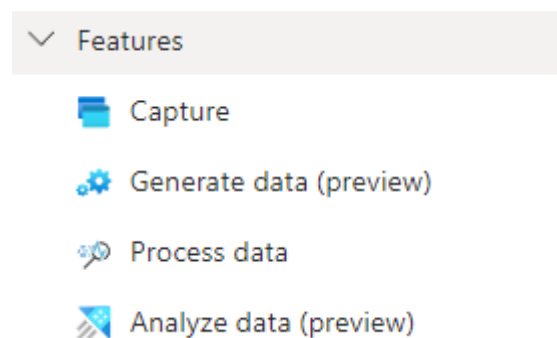
Azure Event Hub Capture

In this guide, you're configuring Azure Event Hub Capture, a feature that enables you to capture and store data from Event Hubs onto either Azure Blob Storage or Data Lake Store. The end goal is to set up the Capture feature to seamlessly capture and store data in a specified storage container for further analysis, archival, or integration with other systems. By enabling Capture, you ensure that data ingested into Event Hubs is reliably persisted for downstream processing or long-term storage.

1. Now go to event hubs and open your blob hub event. Then scroll down and you will see some activity in terms of requests, messages, throughput, etc.



2. Now we are going to use a feature called Capture.
3. In your event hub instance from the left pane expand features tab and choose capture.



4. This feature allows you to send your data or stream your data from Azure Event Hubs onto either Azure Blob Storage or your Data Lake Store.
5. But you will see that this feature is disabled because of the pricing tier we choose while creating our event hub namespace.



Azure Event Hubs Capture enables you to automatically deliver the streaming data in Event Hubs to an Azure Blob storage or Azure Data Lake Store account of your choice, with the added flexibility of specifying a time or size interval. Setting up Capture is fast, there are no administrative costs to run it, and it scales automatically with Event Hubs throughput units. Event Hubs Capture is the easiest way to load streaming data into Azure, and enables you to focus on data processing rather than on data capture. [Learn more about capture.](#)

Output event serialization format ⓘ

Capture ⓘ

On Off

- Now if you go back to your namespace, you will see that the pricing tier is basic. Click on it to change the pricing tier.

Essentials

Resource group (move) : [demo-grp](#)

Status : Active

Location : North Europe

Subscription (move) : [Azure Pass - Sponsorship](#)

Subscription ID : 3541d15a-44aa-4f6e-a120-1b7a6d5925bf

Host name : demonamespace120.servicebus.windows.net

Created : Thursday, 9 May, 2024 at 15:26:10 IST

Updated : Thursday, 9 May, 2024 at 15:26:39 IST

Zone Redundancy : Enabled

Pricing tier : **Basic**

Throughput Units : [1 unit](#)

Auto-inflate throughput ... : [Not Supported](#)

Local Authentication : [Enabled](#)

- Now you are going to standard as your pricing tier.

Choose your pricing tier



Browse the available plans and their features

★ Recommended | View all


Basic	Standard
1 Consumer group	20 Consumer groups
100 Brokered connections	1000 Brokered connections
Ingress events \$0.028 per million	Ingress events \$0.028 per million
Message retention 1 day	Message retention Up to 7 days
	Schema Registry
	Capture \$73/month
928.45 INR/MONTH/TU (ESTIMATED)	1,856.90 INR/MONTH/TU (ESTIMATED)

- Below you can see that our pricing tier has been changed to standard.

+ Event Hub Delete Refresh Give feedback	
Essentials	
Resource group (move) : demo-grp	Created : Thursday, 9 May, 2024 at 15:26:10 IST
Status : Active	Updated : Friday, 10 May, 2024 at 12:24:43 IST
Location : North Europe	Zone Redundancy : Enabled
Subscription (move) : Azure Pass - Sponsorship	Pricing tier : Standard
Subscription ID : 3541d15a-44aa-4f6e-a120-1b7a6d5925bf	Throughput Units : 1 unit
Host name : demonamespace120.servicebus.windows.net	Auto-inflate throughput ... : Disabled
	Local Authentication : Enabled

- Now come back to the Capture feature in your event hub. Then you will see that now it is available for use.

[Save changes](#)
[Discard](#)
[Give feedback](#)



Azure Event Hubs Capture enables you to automatically deliver the streaming data in Event Hubs to an Azure Blob storage or Azure Data Lake Store account of your choice, with the added flexibility of specifying a time or size interval. Setting up Capture is fast, there are no administrative costs to run it, and it scales automatically with Event Hubs throughput units. Event Hubs Capture is the easiest way to load streaming data into Azure, and enables you to focus on data processing rather than on data capture. [Learn more about capture.](#)

Output event serialization format ⓘ

Avro

Capture

On
Off

- Now in terms of output event serialization, we have 3 formats. Keep it to Avro.

Output event serialization format ⓘ

Avro

Avro
Parquet
Delta Lake (preview)

- Then you need to turn on the Capture feature.
- After that in a new tab open your storage account and create a container for the event hub.
- Then come back to the capture feature and here you need to keep things to default and just provide the azure storage container.

Capture
On Off

Note: Enabling Capture will result in additional charges to this account. [Learn more about our pricing.](#)

Time window (minutes)
5



Size window (MB)
300

☐ Do not emit empty files when no events occur during the Capture time window

Capture Provider
Azure Storage Account

Azure Storage Container *
eventhubcontainer ✓ [Select Container](#)



14. Then just click on save. Then wait for some time until your container has some data.

 **Event Hub update** 

Successfully updated Event Hub blobhub

a few seconds ago

15. Now an important note if you are getting any error with saving the capture as shown below. Then go back to your storage account and then to IAM then add the permission for Storage Blob Data Contributor. Then everything will start working as expected.

 **Error: 400** 

SubCode=40000. Generic: Linked access check failed for capture storage destination /subscriptions/3541d15a-44aa-4f6e-a120-1b7a6d5925bf/resourceGroups/demo-grp/providers/Microsoft.Storage/storageAccounts/appstorage120. User or the application with object id 2bbfb4f9-1da5-46a5-b04c-6d96cf575474 making the request doesn't have the required data plane write permissions. Please enable Microsoft.Storage/storageAccounts/blobServices/containers/write, Microsoft.Storage/storageAccounts/blobServices/containers/blobs/wr... permission(s) on above resource for the user or the application and retry. TrackingId:17d0b408-abca-4a12-a724-30eb493fa9df_G40, SystemTracker:demonamespace120.servicebus.windows.net:blobhub, Timestamp:2024-05-10T07:03:09 [See less](#) ^






4 minutes ago

16. So, after waiting for 10-15 minutes we went to see our container and here you can see the a folder has been created.

Home > Resource groups > demo-grp > appstorage120 | Containers >


eventhubcontainer ...

Container

 Upload  Add Directory  Refresh |  Rename  Delete  Change tier

 Overview

 Diagnose and solve problems

 Access Control (IAM)



> Settings

Authentication method: Access key ([Switch to Microsoft Entra user account](#))

Location: eventhubcontainer

Name		Modified
<input type="checkbox"/>	 demonamespace120	

17. Now if you go inside this folder you will see multiple layers of folders.

 Upload  Add Directory  Refresh |  Rename  Delete

Authentication method: Access key ([Switch to Microsoft Entra user account](#))

Location: [eventhubcontainer](#) / [demonamespace120](#) / blobhub

Name

☐  [..]

☐  0

☐  1

☐  2

☐  3