

Unable to list blobs when creating Event Trigger

Last updated by | Jackie Huang | Jan 4, 2022 at 12:24 AM PST

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Issue

Customer is unable to list blobs when creating Event Trigger. Getting error:

1. Unable to list blobs. Please try again

Data preview

 Make sure you have specific filters. Configuring filters that are too broad can match a large number of files created/deleted and may significantly impact your cost.

Event Trigger Filters


Container name: **nhw-adls**

Starts with:

Ends with:

0 blobs matched in "nhw-adls"


 Refresh

 Unable to list blobs. Please try again

2. Unable to list files and show data preview. Please ensure that:


- Your storage account is not using a firewall
- You have the 'Storage Blob Data Reader' role, or, permission to list the storage access keys.

Unable to list files and show data preview. Please ensure that:



-  * Your storage account is not using a firewall
- * You have the 'Storage Blob Data Reader' role, or, permission to list the storage access keys.

Symptom

The issue can happen when the Storage is in a VNet and doesn't have "Allow trusted azure services" checked. Also ensure:

- Browser doesn't have ad blockers
- Storage is not premium. Storage Premium is not supported for this.
- Data Factory Managed Identity has "Storage Contributor" role access permission.
- Customer doesn't have any policies defined to block Microsoft.EventGrid/eventSubscriptions/write permission.
- Microsoft.EventGrid resource provider is [registered](#)  for the subscription.



Regarding the data preview is failing (Error [#2](#)), the issue could be because customer has some network rules causing the requests to failing (Since it seems is failing with status code 0, i.e., the request is never leaving the browser), so the potential reasons may be:

- The customer has firewall rules which blocks the outgoing UX requests.
- The customer has CORS rules enabled in their storage account which rejects the calls from [adf.azure.com](#)  website (data preview sends the requests from the UX). If so, refer the following ad-hoc steps to fix it:
 - Go to your storage account resource, in the left pane, under settings, look for **CORS**
 - Under **blob** service tab, in the **Allowed origins** column, add the following domain: <https://adf.azure.com> 
 - select **GET, POST** as allowed methods
 - Under **allowed headers** put this value: *
 - Under **exposed headers** put this value: *

Resolution

In order for the storage to work on a VNET customer needs to 'Allow trusted azure services' this is a setting on their VNet that allows ADF to talk to the storage account.

Additional Information:

- **Icm References:** [Icm Link](#)  [Icm Link](#) 
- **Author:** vimals
- **Reviewer:** vimals
- **Keywords:**

How good have you found this content?

