

[Azure Blob Storage] Account kind of Storage (general purpose v1) doesn't support ServicePrincipal and MI auth

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

Contents

- [Issue](#)
- [Root Cause](#)
- [Resolution](#)
- [Additional Information:](#)

Issue

In dataflow, if customer use Azure Blob Storage (general purpose v1) with ServicePrincipal or MI auth, it get error message:

com.microsoft.dataflow.broker.InvalidOperationException: ServicePrincipal and MI auth are not supported if blob storage kind is Storage (general purpose v1)

Root Cause

When using Azure Blob linked service in data flow, managed identity or service principal authentication is not supported when account kind as empty or "Storage".

Image1: Account kind in Azure Blob Storage Linked Service

New linked service (Azure Blob Storage)

Name *

AzureBlobStorage12

Description

Connect via integration runtime *

AutoResolveIntegrationRuntime

Authentication method

Service Principal

Account selection method

☒ From Azure subscription ☐ Enter manually

Azure subscription

ADMS_ [REDACTED] RichTransform [REDACTED]

Storage account name *

[REDACTED]

Storage account kind

Storage

Tenant *

[REDACTED]

Service principal ID *

[REDACTED]

Service principal key

Azure Key Vault

Service principal key *

.....

Azure cloud type

Data Factory's cloud type

Test connection

☒ To linked service ☐ To file path

Annotations

[REDACTED]

Create

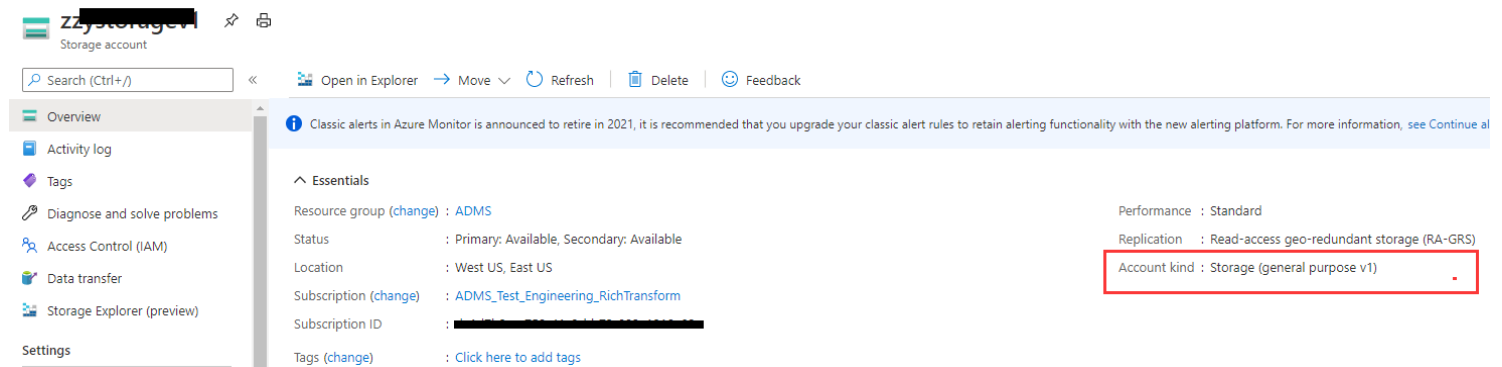
Back



Test connection

Cancel

Image2: Storage account page:



Resolution

- If account kind is None in Azure Blob linked service, specify the proper account kind.

Image3: Specify storage account kind in Azure Blob Storage Linked Service

Edit linked service (Azure Blob Storage)

Name *

AzureBlobStorage7

Description

Connect via integration runtime *

AutoResolveIntegrationRuntime

Authentication method

Service Principal

Account selection method

☐ From Azure subscription ☒ Enter manually

Service endpoint *

https://[REDACTED]blob.core.windows.net

Storage account kind

None

None

Storage

StorageV2

BlobStorage

BlockBlobStorage

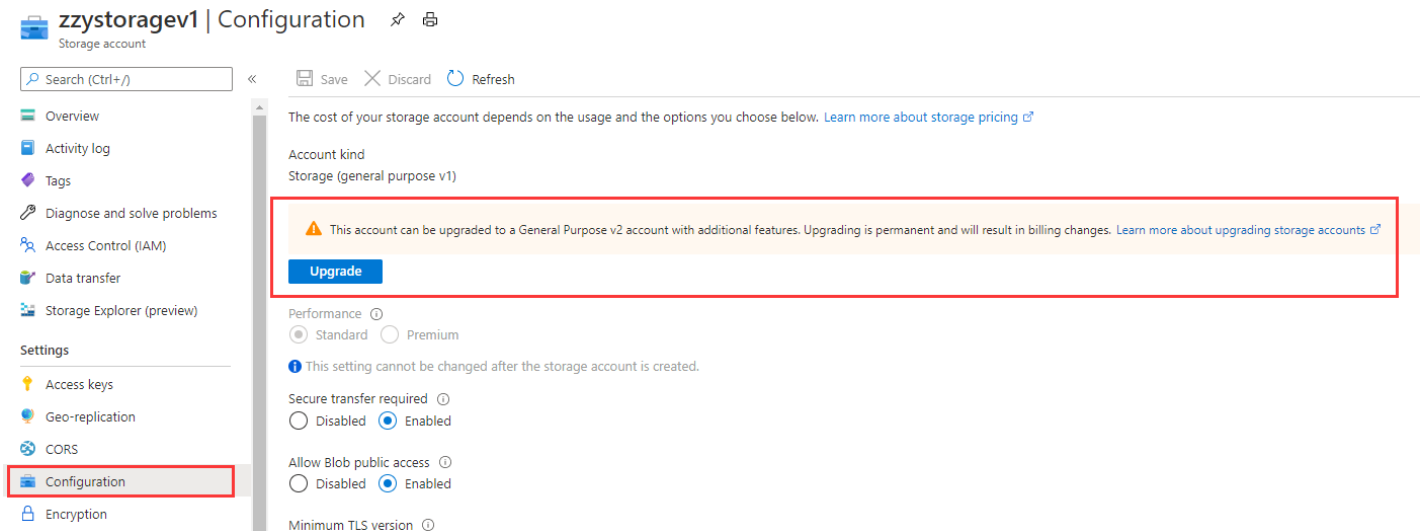
Service principal key *

You can refer to Image2 to get the account kind of storage account.

Check and confirm the account kind not Storage (general purpose v1).

- If account kind is Storage (general purpose v1), upgrade your storage account to general purpose v2 or choose a different authentication.

Image4: Upgrade storage account to general purpose v2



- Else, ping SME: zhuzhan to investigate.

Additional Information:

- Icm Reference: N/A
- Author: Zhuoyang Zhang
- Reviewer: Zhuoyang Zhang
- Keywords: Blob Storage; Account Kind;