

# [CosmosDB] How to use CosmosDbSqlApi v3

Last updated by | Anil K B | Mar 31, 2023 at 4:51 AM PDT

## Contents

- [How to use CosmosDbSqlApi v3?](#)
- [Use case:](#)

ADMS CosmosDB SQL API connector has 2 implementations, and by default it binds with the linked service authentication type.

Authentication Type	Approach	Driver
Account Key	Old	Microsoft.Azure.DocumentDB 2.5.1
SPN/SAMI/UAMI	New	Microsoft.Azure.Cosmos 3.20.0

## How to use CosmosDbSqlApi v3?

**Option 1:** As above, the simplest way is changing to use SPN/SAMI/UAMI authentication types.

**Option 2:** Use v3 with account key authentication.

If the customer wants to use the new approach and doesn't want to use AAD related authentication types, please follow this.

1. Create a CosmosDbSqlApi linked service.
2. Update the linked service with the following template.

```
{
  "name": "<CosmosDbV3>",
  "type": "Microsoft.DataFactory/factories/linkedservices",
  "properties": {
    "annotations": [],
    "type": "CosmosDb",
    "typeProperties": {
      "useV3": true,
      "accountEndpoint": "<https://sample.documents.azure.com:443/>",
      "database": "<db>",
      "accountKey": {
        "type": "SecureString",
        "value": "<account key>"
      }
    }
  }
}
```

## Use case:

Cosmos DB copy activity fails with the message:

- Update the linked service with the following template.

Failure happened on 'Sink' side. ErrorCode=UserErrorDocumentDBWriteError,'Type=Microsoft.DataTransfer.Common.S



1. Please check with the CosmosDB team to understand if the error is coming from the Cosmos DB Product.
2. You can ask the customer to configure the below linked service as described and test again the copy activity.

```
{
  "name": "<CosmosDbV3>",
  "type": "Microsoft.DataFactory/factories/linkedservices",
  "properties": {
    "annotations": [],
    "type": "CosmosDb",
    "typeProperties": {
      "useV3": true,
      "accountEndpoint": "https://sample.documents.azure.com:443/",
      "database": "<db>",
      "accountKey": {
        "type": "SecureString",
        "value": "<account key>"
      }
    }
  }
}
```