Azure Data Lake Connected System
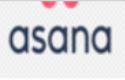
Overview

Azure Data Lake is a cloud-based data storage and analytics service provided by Microsoft. It allows users to store and process big data sets in a secure and scalable manner, using tools and frameworks like Hadoop, Spark, and Data Lake Analytics. With Azure Data Lake, users can easily manage and analyze large volumes of data from various sources, and derive valuable insights using advanced analytics and machine learning capabilities.To call Azure Storage API, a connected system must be authenticated with the Microsoft identity platform. The access token contains information about your app and the permissions it has to access the resources and APIs available through Azure Storage. To get an access token, our app must be registered with the Microsoft identity platform(Azure Portal) and be authorized by either a user or an administrator to access the Azure Storage resources it needs.

Connected System Configuration

Create Connected System

Search Connected Systems...

Amazon Machine Learning

Appian RPA

ASANA

Aurora MySQL Data Source

Aurora PostgreSQL Data Source

Azure Data Lake Connected System

Connect with Azure Data Lake

Azure Face Recognition

blue prism

Blue Prism

box

IBM **Db2**

docmosis

DocuSign

Box User Authentication

Db2 Data Source

Docmosis

DocuSign

CANCEL

Create Connected System

Azure Data Lake Connected System
Connect with Azure Data Lake
Version: 1

Name *

ADL_CS_AzureDataLakeConnectedSystem

Description

Connected System for Azure Data Lake.

Azure Data Lake Connected System Configuration

Tenant Id *

████████████████████████

Client Id *

███████████████████████

Client Secret *

....

> Connection successful

TEST CONNECTION

GO BACK   CANCEL   USE IN NEW INTEGRATION   CREATE

Steps to get Credentials:

1. Register your Azure App

2. Once registered, create Client Secret from App>Certificates & Secret>New Client Secret.

3. After secret creation, keep it at a safe place as you can't get it another time.
4. Get the Client Id, Tenant Id and Secret Key from the application which will be used in this connected system.
5. After registering the application, we need to provide the application with API permissions. Each operation or API request needs special permission to access the graph api.For Data Lake, storage operations requires **Azure Storage** permission

6. After adding the required permissions, we need to provide admin consent. This admin consent can be provided only by user who as admin access

Integrations

File System Integrations
- Create File System
- Delete File System
- List File System

Path Integrations
- Upload File
- Delete File
- List File
- Download File

File System Integrations

1. ## Create File System

Creates a File System as a container in Azure Storage

2. Delete File System

Deletes a File System in Azure Storage

3. List File System

Lists all the file systems available in the Storage Account

ADL_INT_listFileSystem

Connected System *
ADL_CS_AzureDataLakeConnectedS... ✕

Operation *
List File System ▼

Lists the available file systems.

Azure Storage Account Name *
▉▉▉▉▉▉▉

Enter name of the storage account you are using

TEST REQUEST

Time
558 ms
Prepare: < 1 ms - **Execute**: 558 ms (*Send/Wait/Receive*: 557 ms) - **Transform**: < 1 ms

Value: Result ❓
▾ Dictionary
  ▾ filesystems List of Dictionary - 9 items
    ▾ Dictionary
      name **"samplefilesystem"** (Text)
      etag **"0x8DA9FBFAC6225DF"** (Text)
      lastModified **"Mon, 26 Sep 2022 13:04:40 GMT"** (Text)
    ▾ Dictionary
      name **"teasdasd2e"** (Text)
      etag **"0x8DA9AEE4ADA3581"** (Text)
      lastModified **"Tue, 20 Sep 2022 09:55:47 GMT"** (Text)
    ▾ Dictionary
      name **"test"** (Text)
      etag **"0x8DA97A17E68AF29"** (Text)
      lastModified **"Fri, 16 Sep 2022 05:08:29 GMT"** (Text)
    ▾ Dictionary
      name **"test23"** (Text)
      etag **"0x8DA9ADEB5CCFF10"** (Text)
      lastModified **"Tue, 20 Sep 2022 08:04:14 GMT"** (Text)
    ▾ Dictionary
      name **"testazure"** (Text)
      etag **"0x8DA97A204319B1B"** (Text)
      lastModified **"Fri, 16 Sep 2022 05:12:13 GMT"** (Text)
    ▾ Dictionary
      name **"testblob1"** (Text)
      etag **"0x8DA96B5FBAD6F65"** (Text)
      lastModified **"Thu, 15 Sep 2022 01:02:38 GMT"** (Text)
    ▾ Dictionary
      name **"testcontainer"** (Text)
      etag **"0x8DA9BDFB95DFBF3"** (Text)
      lastModified **"Wed, 21 Sep 2022 14:44:01 GMT"** (Text)
    ▾ Dictionary
      name **"testd23f"** (Text)
      etag **"0x8DA9AEE1D05F3CE"** (Text)
      lastModified **"Tue, 20 Sep 2022 09:54:30 GMT"** (Text)
    ▾ Dictionary
      name **"testfs3"** (Text)
      etag **"0x8DA9983C952D341"** (Text)
      lastModified **"Sun, 18 Sep 2022 14:40:52 GMT"** (Text)

Path Integrations

1. Upload File

Uploads a file to the specified File System

2. Delete File

Deletes a file in the specified File System

3. List Files

Lists all the files that are available in the specified file system.

ADL_INT_listFiles

Connected System *
ADL_CS_AzureDataLakeConnectedS... ✕

Operation *
List Files ▾
List files in the file system

Azure Storage Account Name *
▨▨▨▨▨▨▨
Enter name of the storage account you are using

File System Name *
adl-test

TEST REQUEST

✓ Result   Request   Response

Success!

Time
537 ms
Prepare: < 1 ms - **Execute**: 537 ms (*Send/Wait/Receive*: 535 ms) - **Transform**: < 1 ms

Value: Result ❔
▾ Dictionary
  ▾ paths List of Dictionary - 6 items
    ▾ Dictionary
        owner **"$superuser"** (Text)
        permissions **"rw-r-----"** (Text)
        name **"sample-file-1.pdf"** (Text)
        contentLength **"3567"** (Text)
        etag **"0x8DAA058DD803010"** (Text)
        lastModified **"Tue, 27 Sep 2022 07:21:16 GMT"** (Text)
        group **"$superuser"** (Text)
    ▾ Dictionary
        owner **"$superuser"** (Text)
        permissions **"rw-r-----"** (Text)
        name **"sample-file-2.pdf"** (Text)
        contentLength **"10206"** (Text)
        etag **"0x8DAA058DD7F0B31"** (Text)
        lastModified **"Tue, 27 Sep 2022 07:21:16 GMT"** (Text)
        group **"$superuser"** (Text)
    ▾ Dictionary
        owner **"$superuser"** (Text)
        permissions **"rw-r-----"** (Text)
        name **"sample-file-3.pdf"** (Text)
        contentLength **"78883"** (Text)
        etag **"0x8DAA058DDA075C7"** (Text)
        lastModified **"Tue, 27 Sep 2022 07:21:16 GMT"** (Text)
        group **"$superuser"** (Text)
    ▾ Dictionary
        owner **"$superuser"** (Text)
        permissions **"rw-r-----"** (Text)
        name **"sample-file-4.pdf"** (Text)
        contentLength **"11"** (Text)
        etag **"0x8DAA058DD5DA650"** (Text)
        lastModified **"Tue, 27 Sep 2022 07:21:15 GMT"** (Text)
        group **"$superuser"** (Text)

4. Download File

Downloads a file from Azure Storage to Appian Folder.