

# Technical Document

**Technical Design Document:** Attachment Mover

**Application Name:** Approach 1- Moving Files from Azure to Dynamics

**Category:** Development/Enhancement

**Document Preparation**

Date	Version	Name	Role	Comments
21.12.2021	0.1	Sowmya Padmanabhuni	Developer	Initial draft version

**Document Review**

Date	Version	Name	Role	Comments
21-12-2021	0.1	Surya.NV		

**Document Approval**

Date	Version	Name	Role	Comments
21-12-2021	0.1	Appusamy.S		

**Requirements summary:**

Files from local drive will be moved to Azure Storage Container and from there the files will be moved to final destination i.e., Dynamics365

**Components Used:**

1. Console Application (.Net Framework 4.7.2)
2. Power Automate Flows
3. Model-Driven App
4. Connection Reference
  - a. MS Dynamics 365 (Microsoft Data verse) – Entities
  - b. Azure Storage Container

## **Console Application**

SDK's Used for Azure

1. Azure.Storage.Blobs
2. Azure.Storage.Common

Used Console Application to move Local Drive Files to Azure Storage Container

Connections for Azure will be configured in App.config with the ConnectionString from access keys, Container Name from the Azure Storage Account, and local drive path to move files to Azure

**Note:** Files should contain only 1 JSON in Azure

## **Power Automate Flows**

Flow Name: Moving Files from Azure to Dynamics

Used to Move files from Azure to Dynamics based on JSON File Metadata to the records based on Guid of an entity with a document under Notes (Annotation) entity.

Connections for Azure and Dynamics365 will be given in the Connection References by passing as

1. Azure Connection Reference
  - a. Storage Name
  - b. Access Key
2. Dynamics Connection Reference
  - a. User Name
  - b. Password

## **JSON File - Metadata:**

- a. FileName – Document name which is moved to Azure and Dynamics
- b. EntityName – Entity to which the document should get attached
- c. Guid – Based on Guid, the document will be attached to the notes (annotation)
- d. FileFieldName – Given the field name of an entity
- e. IsAnnotation – True/False,
  - a. If True, then the document will be attached to notes(annotation) based on the record Guid of an entity
  - b. If False, the FileFieldName key in the JSON will be given with the field name of an entity to pass the document content