

## Introduction To Azure Storage-3

Do the following:

1. Create two storage accounts and create a container inside it.
2. Upload some data to the first Blob service.
3. Using Data Factory, copy data to the second storage service's container.

So, We have already created a storage account and created container and uploaded data in blob service.

Let us create another storage account.

The screenshot shows the 'Storage accounts' page in the Microsoft Azure portal. The page header includes the Microsoft Azure logo, an 'Upgrade' button, and a search bar. Below the header, there are tabs for 'Create', 'Restore', 'Manage view', 'Refresh', 'Export to CSV', 'Open query', 'Assign tags', and 'Delete'. A filter bar shows 'Subscription equals all', 'Resource group equals all', and 'Location equals all'. The table below lists two storage accounts:

| Name               | Type            | Kind      | Resource group                   | Location      | Subscription |
|--------------------|-----------------|-----------|----------------------------------|---------------|--------------|
| cs9100320027d7240f | Storage account | StorageV2 | cloud-shell-storage-centralindia | Central India | Free Trial   |
| forassignment      | Storage account | StorageV2 | ForAssignments                   | East US       | Free Trial   |

Name it. Click on review and create.

The screenshot shows the 'Create a storage account' wizard in the Microsoft Azure portal. The wizard has tabs for 'Basics', 'Advanced', 'Networking', 'Data protection', 'Encryption', 'Tags', and 'Review'. The 'Basics' tab is selected. The 'Project details' section shows 'Subscription' as 'Free Trial' and 'Resource group' as 'ForAssignments'. The 'Instance details' section shows 'Storage account name' as 'forassignment2', 'Region' as '(US) East US', 'Performance' as 'Standard: Recommended for most scenarios (general-purpose v2 account)', and 'Redundancy' as 'Geo-redundant storage (GRS)'. The 'Review' button is highlighted at the bottom.

Deployment is complete. Goto resource.

The screenshot shows the 'Your deployment is complete' message in the Microsoft Azure portal. The message includes the deployment name 'forassignment2\_1681457781915', the subscription 'Free Trial', and the resource group 'ForAssignments'. It also shows the start time '4/14/2023, 1:06:33 PM' and the correlation ID 'e336f6b-554c-4e8d-9873-2a8d9042c493'. A 'Go to resource' button is provided. On the right, there is a 'Cost Management' section with a 'Set up cost alerts' link.

Now let us create a data factory. Fill in the basic details. Then, review and create.

Microsoft Azure Upgrade Search resources, services, and docs (G+Y)

Home > Data factories >

## Create Data Factory

Changes on this step may reset later selections you have made. Review all options prior to deployment.

Basics Git configuration Networking Advanced Tags Review + create

One-click to create data factory with sample pipeline and datasets. [Try it](#)

**Project details**

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription \*

Resource group \*  [Create new](#)

**Instance details**

Name \*

Region \*

Version \*

[Review + create](#) < Previous Next : Git configuration > [Give feedback](#)

After going to resource, click on Launch studio.

Microsoft Azure Upgrade Search resources, services, and docs (G+Y)

Home >

## forassignment

Data factory (V2)

Search Delete

Overview

- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems

Settings

- Networking
- Managed identities
- Properties
- Locks

Getting started

- Quick start

Monitoring

- Alerts
- Metrics
- Diagnostic settings
- Logs

Automation

- Tasks (preview)

Support + troubleshooting

- Resource health
- New Support Request

Essentials

Resource group [\(move\)](#) : [ForAssignments](#)

Status : Succeeded

Location : East US

Subscription [\(move\)](#) : [Free Trial](#)

Subscription ID : 5b06583f-9e72-4b4d-9c6b-70f40d89ba0b

Type : Data factory (V2)

Getting started : [Quick start](#)

[JSON View](#)

### Azure Data Factory Studio

[Launch studio](#)

Quick Starts Tutorials Template Gallery Training Modules

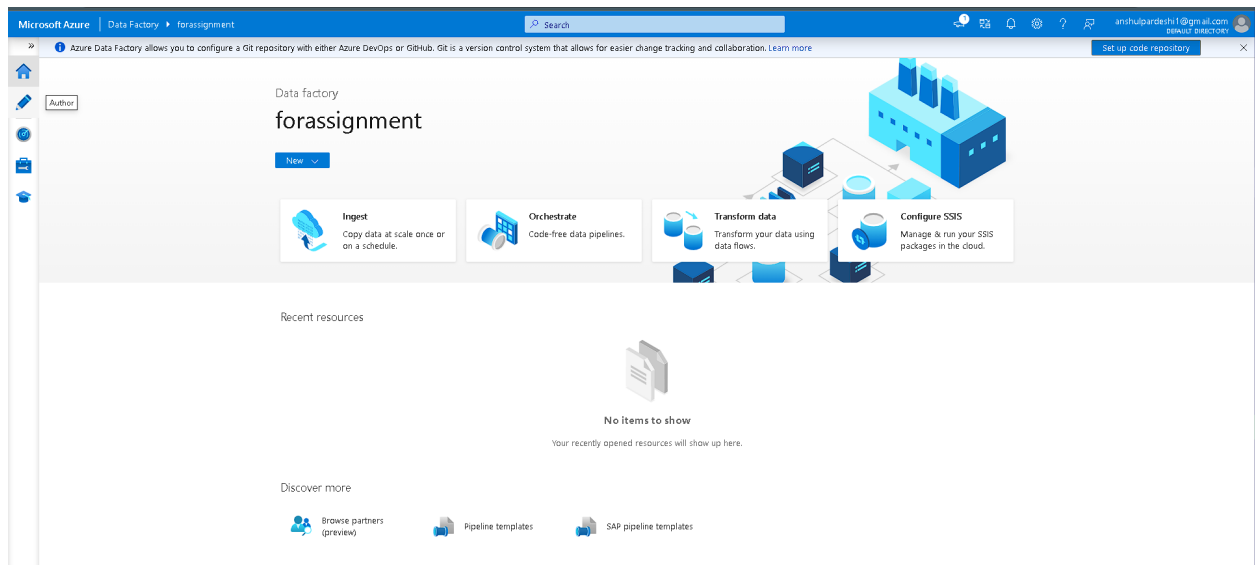
Monitoring

PipelineRuns ActivityRuns TriggerRuns

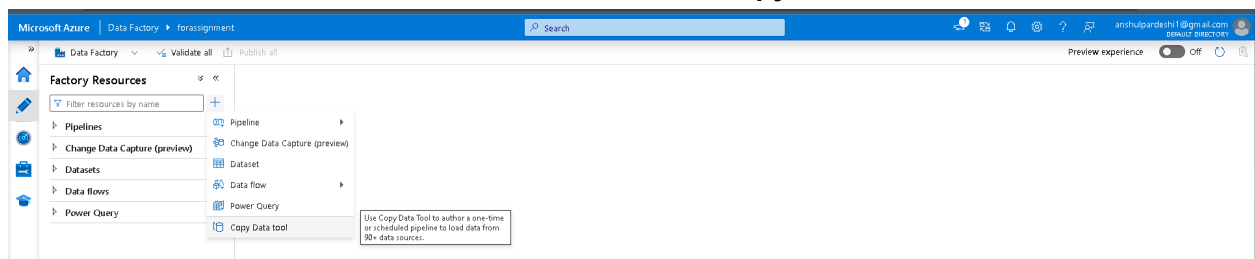
[http://portal.azure.com/#@anishulpardeshi1@gmail.com/microsoft/resource/subscriptions/5b06583f-9e72-4b4d-9c...](#)

YouTube-Music D...exe Show all

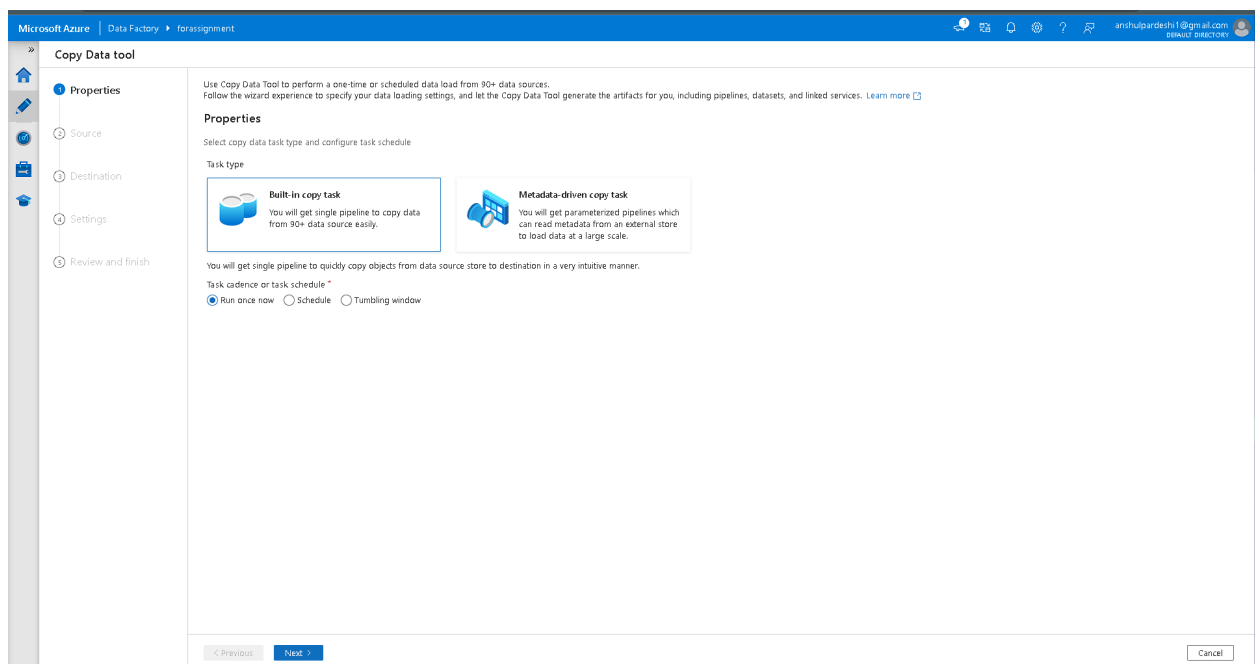
Click on Author option in left sidebar.



Click on + icon and click on copy data tool.



Click on next.



Here we need to give all the source blob and storage account details. Click on create and next.

Microsoft Azure | Data Factory | forassignment

Copy Data tool

Properties

Source

Dataset

Configuration

Destination

Settings

Review and finish

Source data store

Specify the source data store for the copy task. You can use an existing data store connection or specify a new data store.

Source type: Azure Blob Storage

Connection: Select... + New connection

New connection

Azure Blob Storage Learn more

Name: forassignmentblob

Description

Connect via integration runtime: AutoResolveIntegrationRuntime

Authentication type: Account key

Connection string: Azure Key Vault

Account selection method: From Azure subscription

Azure subscription: Free Trial (3b06383f-9e72-4b4d-9c8b-7d040d85ba0b)

Storage account name: forassignment

Additional connection properties

+ New

Test connection: To linked service

Annotations

+ New

Parameters

Advanced

Create Cancel Test connection

Here enter blob name as shown as path, Click on next.

Microsoft Azure | Data Factory | forassignment

Copy Data tool

Properties

Source

Dataset

Configuration

Destination

Settings

Review and finish

Source data store

Specify the source data store for the copy task. You can use an existing data store connection or specify a new data store.

Source type: Azure Blob Storage

Connection: forassignmentblob Edit + New connection

File or folder

If the identity you use to access the data store only has permission to subdirectory instead of the entire account, specify the path to browse.

forassignmentblob/ Browse

Options

Binary copy

Recursively

Enable partition discovery

Max concurrent connections

Filter by last modified

Start time (UTC) End time (UTC)

Next Cancel

Here enter destination storage account details. The storage account you created recently.  
Click on create.

Microsoft Azure | Data Factory | forassignment

Copy Data tool

Properties  
Source  
Destination  
Dataset  
Configuration  
Settings  
Review and finish

**Destination data store**

Specify the destination data store for the copy task. You can use an existing data store connection or specify a new data store.

Destination type: Azure Blob Storage

Connection: Select... + New connection

**New connection**

Azure Blob Storage Learn more

Name: AzureBlobStorage1

Description:

Connect via integration runtime: AutoResolveIntegrationRuntime

Authentication type: Account key

Connection string: Azure Key Vault

Account selection method: From Azure subscription (selected) Enter manually

Azure subscription: Free Trial (3b06383f-9e72-4b4d-9c8b-7d40d818ba0b)

Storage account name: forassignment2

Additional connection properties: + New

Test connection: To linked service (selected) To file path

Annotations: + New

Parameters: > Parameters

Advanced: > Advanced

Create Cancel Test connection

Now select container you created in destination storage account. Click on next.

Microsoft Azure | Data Factory | forassignment

Copy Data tool

Properties  
Source  
Destination  
Dataset  
Configuration  
Settings  
Review and finish

**Destination data store**

Specify the destination data store for the copy task. You can use an existing data store connection or specify a new data store.

Destination type: Azure Blob Storage

Connection: AzureBlobStorage1 Edit + New connection

Folder path: destinationforassignment Browse

If the identity you use to access the data store only has permission to subdirectory instead of the entire account, specify the path to browse.

File name:

Copy behavior: None

Max concurrent connections:

Block size (MB):

Metadata: + New

< Previous Next > Cancel

Enter the name for your pipeline click on next.

The screenshot shows the 'Copy Data tool' configuration page in the Microsoft Azure Data Factory portal. The left sidebar contains a navigation pane with steps: Properties, Source, Destination, Settings, Review and finish, and Deployment. The 'Settings' step is currently selected. The main area is titled 'Settings' and includes a description: 'Enter name and description for the copy data task, more options for data movement'. The 'Task name' field is populated with 'CopyPipeline\_forassignment'. Below it is a 'Task description' text box. Further down are checkboxes for 'Data consistency verification', 'Enable logging', and 'Enable staging', all of which are currently unchecked. A 'Fault tolerance' dropdown menu is also visible. At the bottom of the settings section is an expandable 'Advanced' section. Navigation buttons at the bottom include '< Previous', 'Next >', and 'Cancel'.

Review and create.

The screenshot shows the 'Review and create' step of the 'Copy Data tool' configuration. The left sidebar shows the 'Review and finish' step as the active one. The main area is titled 'Summary' and contains a visual representation of the data flow: 'Azure Blob Storage' (source) pointing to 'Azure Blob Storage' (destination). Below this, the 'Properties' section lists the task name 'CopyPipeline\_forassignment'. The 'Source' section details the connection 'forassignmentblob', dataset 'SourceDataset\_rde', and various formatting options like column and row delimiters. The 'Destination' section details the connection 'AzureBlobStorage1', dataset 'DestinationDataset\_rde', and similar formatting options. Each section has an 'Edit' link. At the bottom, there are navigation buttons: '< Previous', 'Next >', and 'Cancel'.

# Deployment is complete.

Microsoft Azure | Data Factory | forassignment

### Copy Data tool

Azure Blob Storage → Azure Blob Storage

## Deployment complete

| Deployment step                     | Status    |
|-------------------------------------|-----------|
| Validating copy runtime environment | Succeeded |
| > Creating datasets                 | Succeeded |
| > Creating pipelines                | Succeeded |
| > Running pipelines                 | Succeeded |

Datasets and pipelines have been created. You can now monitor and edit the copy pipelines or click finish to close Copy Data Tool.

[Finish](#) [Edit pipeline](#) [Monitor](#)

Pipeline Activity has been succeeded and data is copied and is visible in the destination path.

Showing 1 - 1 items

| Status    | Activity type | Run start             | Duration | Log | Integration runtime      | User properties | Destination              | Source                | Run ID               |
|-----------|---------------|-----------------------|----------|-----|--------------------------|-----------------|--------------------------|-----------------------|----------------------|
| Succeeded | Copy data     | 4/14/2023, 2:37:07 PM | 00:00:11 |     | AutoResolveIntegrationRt |                 | destinationforassignment | forassignmentblob/Sam | 56935df1-3d26-4055-a |

Microsoft Azure | Upgrade | Search resources, services, and docs (5+)

### destinationforassignment

Container

Upload | Change access level | Refresh | Delete | Change tier | Acquire lease | Break lease | View snapshots | Create snapshot | Give feedback

Authentication method: Access key (Switch to Azure AD User Account)  
Location: destinationforassignment

Search blobs by prefix (case-sensitive)  ☐ Show deleted blobs

Add filter

| Name                | Modified              | Access tier    | Archive status | Blob type  | Size     | Lease state |
|---------------------|-----------------------|----------------|----------------|------------|----------|-------------|
| SampleData.xlsx.txt | 4/14/2023, 2:37:16 PM | Hot (inferred) |                | Block blob | 2.61 KiB | Available   |