

Copying latest folder from Blob to ADLS Gen2

- Below is the folder structure, has subfolders and files

Upload Change access level Refresh | Delete Change tier Acquire lease


Authentication method: Access key ([Switch to Microsoft Entra user account](#))
Location: [project1](#) / 2021-03-21

Add filter









Name	Modified
<input type="checkbox"/> [..]	
<input type="checkbox"/> lap_times	
<input type="checkbox"/> qualifying	
<input type="checkbox"/> .DS_Store	1/3/2025, 4:2
<input type="checkbox"/> circuits.csv	1/3/2025, 4:2
<input type="checkbox"/> constructors.json	1/3/2025, 4:2
<input type="checkbox"/> drivers.json	1/3/2025, 4:2
<input type="checkbox"/> pit_stops.json	1/3/2025, 4:2
<input type="checkbox"/> races.csv	1/3/2025, 4:2
<input type="checkbox"/> results.json	1/3/2025, 4:2


- Here we need to copy latest folder from blob to gen2


Home > project1blobsa_1735901423011 | Overview > project1blobsa | Containers >


 **project1** ...
Container

x <<


 Upload  Change access level  Refresh |  Delete  Change tier  Acquire lease  Break lease  View snapshot


 Overview


 Diagnose and solve problems


 Access Control (IAM)

Settings

 Shared access tokens


 Access policy




 Properties

 Metadata

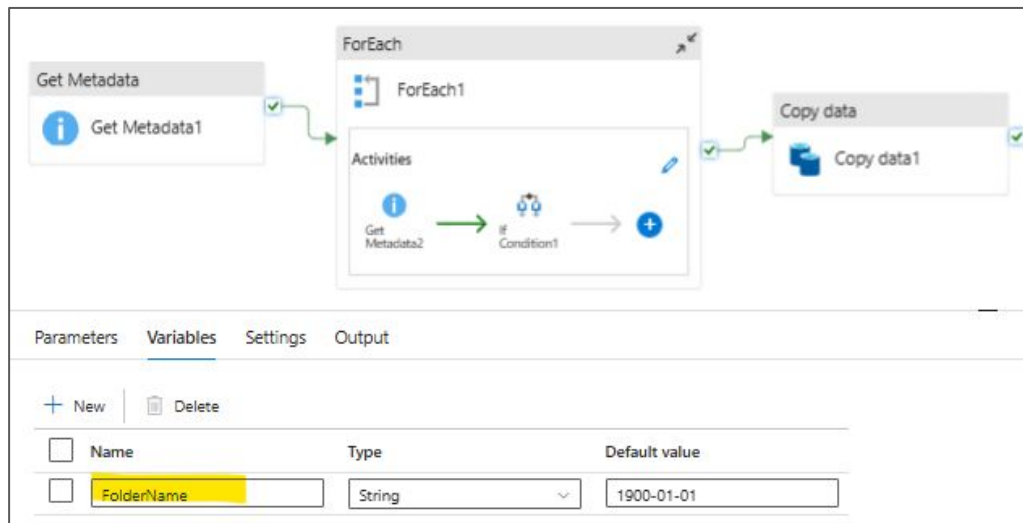
Authentication method: Access key (Switch to Microsoft Entra user account)

Location: project1

 Add filter

	Name	Modified	Access tier
<input type="checkbox"/>	 2021-03-21		
<input type="checkbox"/>	 2021-03-28		
<input type="checkbox"/>	 2021-04-18		

- Here is the pipeline activities



All status ▾ Container ▾

Showing 1 - 10 of 10 items

Activity name ↑↓	Activity status ↑↓
Get Metadata1	✓ Succeeded
ForEach1	✓ Succeeded
Get Metadata2	✓ Succeeded
Get Metadata2	✓ Succeeded
Get Metadata2	✓ Succeeded
If Condition1	✓ Succeeded
(.X) Set variable1	✓ Succeeded
If Condition1	✓ Succeeded
If Condition1	✓ Succeeded
Copy data1	✓ Succeeded

1. **Get Metadata1:**

- **Purpose:** Retrieves metadata information about the source container or folder in the Blob Storage.
- **Output:** A list of child items (folders or files) in the specified directory (e.g., 2021-03-21 and 2021-03-28).

2. **ForEach Activity:**

- **Purpose:** Iterates over each item retrieved by **Get Metadata1** (e.g., 2021-03-21 and 2021-03-28).
- **Scope:** Inside the **ForEach** loop, multiple activities are executed for each folder.

Inside **ForEach** Loop:

1. **Get Metadata2:**

- **Purpose:** Fetches metadata for the specific folder being processed in the current iteration.
- **Example Output:** Metadata for the folder 2021-03-21.

2. **If Condition1:**

- **Purpose:** Evaluates whether the folder or file satisfies a specific condition (e.g., whether the folder is the latest based on its name or timestamp).
- **Condition:** Likely checks if the folder is the "latest" folder.

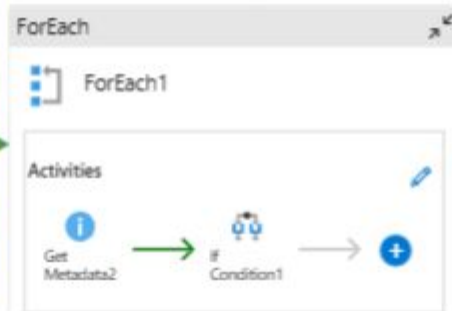
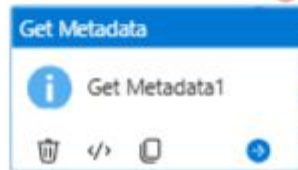
3. **Set Variable1:**

- **Purpose:** Assigns the latest folder name or path to a variable. This variable is used downstream for further processing.

3. **Final Processing Outside ForEach:**

1. **Copy Data1:**

- **Purpose:** Copies data from the selected folder (latest folder determined by the pipeline logic) to the destination Gen2 storage.
- **Execution:** The **Copy Data** activity uses the variable set in the **ForEach** loop to determine the source folder



General Settings User properties

Dataset * [Open](#) [New](#) [Learn more](#)

Field list * [New](#) [Delete](#)

☐ Argument

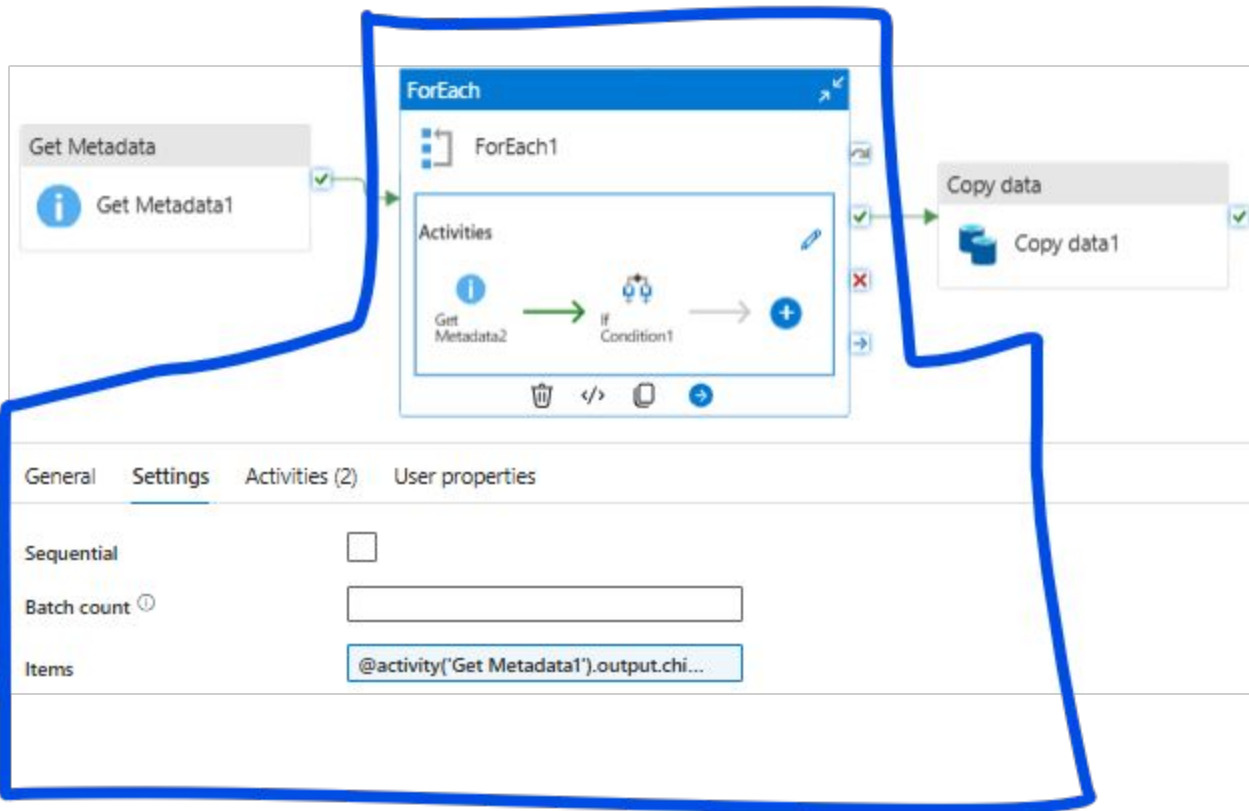
☐ Child items

Filter by last modified ⓘ

Start time (UTC)

End time (UTC)

Skip line count



pipeline1 > ForEach1

Get Metadata

Get Metadata2

If Condition

If Condition1

General Settings User properties

Dataset *

ds_blob_sub_folder

Open

+ New

Learn more

Dataset properties

Name

Value

foldername

@item().name

Field list *

+ New

Delete

☐ Argument

☐ Item name

☐ Last modified

pipeline1

ds_blob_sub_folder

ds_blob_folder

ds_gen2_folder

ds_foreach2_copy_da...



DelimitedText
ds_blob_sub_folder

Connection Schema Parameters

Linked service *

Is_blob

Test connection

Edit

+ New

Learn more

File path *

project1

@dataset().foldername

File name

Compression type

No compression

Column delimiter

Comma (,)

Row delimiter

Default (\r\n, or \r\n)

Encoding

Default(UTF-8)

Quote character

Double quote (")

pipeline1 > ForEach1

Get Metadata

Get Metadata2

If Condition

If Condition1

True

(X) Set variable1

False

General Activities (1) User properties

Expression ⓘ

@greater(activity("Get Metadata2").o...

Case	Activity
True	(X) Set variable1 1 Activity
False	No activities

```
@greater(activity('Get  
Metadata2').output.itemName,  
variables('FolderName'))
```


pipeline1 > ForEach1 > If Condition1 > True activities



General Settings User properties

Variable type ⓘ

☒ Pipeline variable ☐ Pipeline return value

Name *

FolderName

+ New

Value

@activity('Get Metadata2').output.itemName

```
@activity('Get  
Metadata2').output.itemNam  
e
```



General **Source** Sink Mapping Settings User properties

Source dataset *

ds_foreach2_copy_data_activity

Open

+ New

Preview data

Learn more

File path type



File path in dataset



Prefix



Wildcard file path



List of files

Wildcard paths

project1 / @variables('FolderName')

/

*

Start time (UTC)

End time (UTC)

Filter by last modified

Recursively



Enable partitions discovery



Get Metadata

Get Metadata1

ForEach

ForEach1

Activities

Get Metadata2

If Condition1

Copy data

Copy data1

General Source Sink Mapping Settings User properties

Sink dataset *

ds_output_foreach_copyactivity

Open

+ New

Learn more

Dataset properties

Name

Value

folder_name

@variables('FolderName')

Copy behavior

Select...

Max concurrent connections

Block size (MB)



pipeline1



ds_output_foreach_c...



DelimitedText

ds_output_foreach_copyactivity

Connection

Schema

Parameters

Linked service *

ls_gen2



Test connection



Edit



New

[Learn more](#)

File path

bronze

/

@dataset().folder_name

/

File name



Compression type

No compression



Column delimiter ⓘ

Comma (,)



Row delimiter ⓘ

Default (\r,\n, or \r\n)

