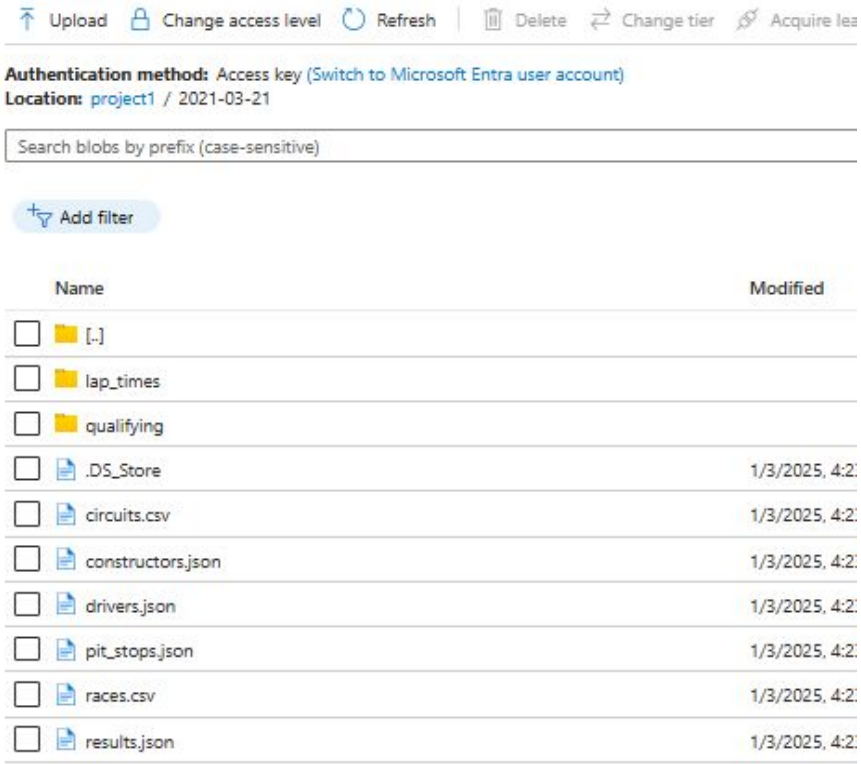
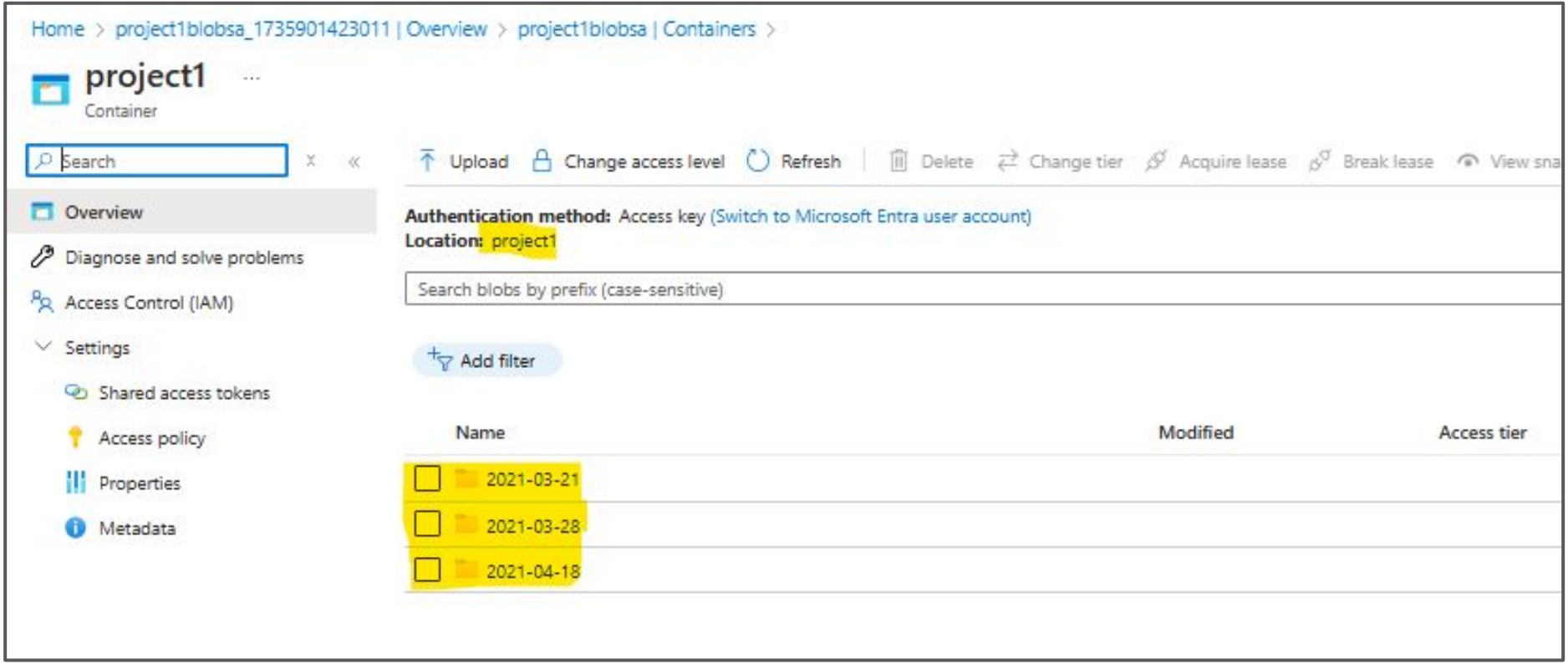
Copying latest folder from Blob to ADLS Gen2

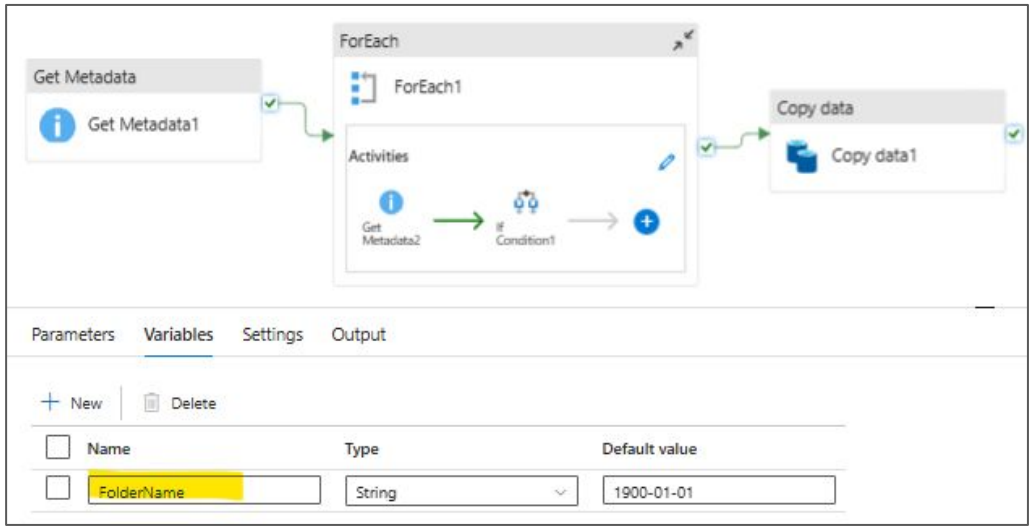
- Below is the folder structure, has subfolders and files

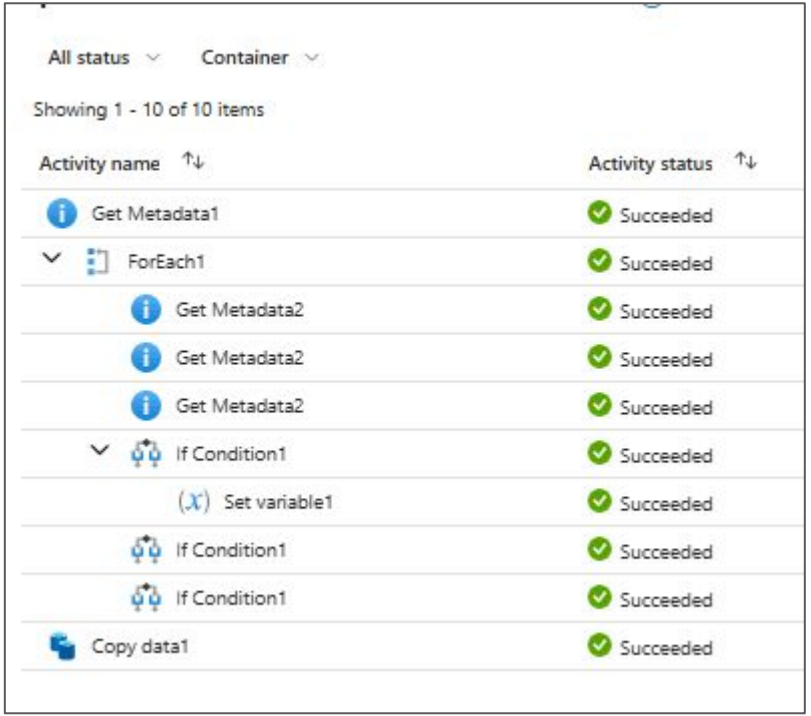


- Here we need to copy latest folder from blob to gen2



- Here is the pipeline activities





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:

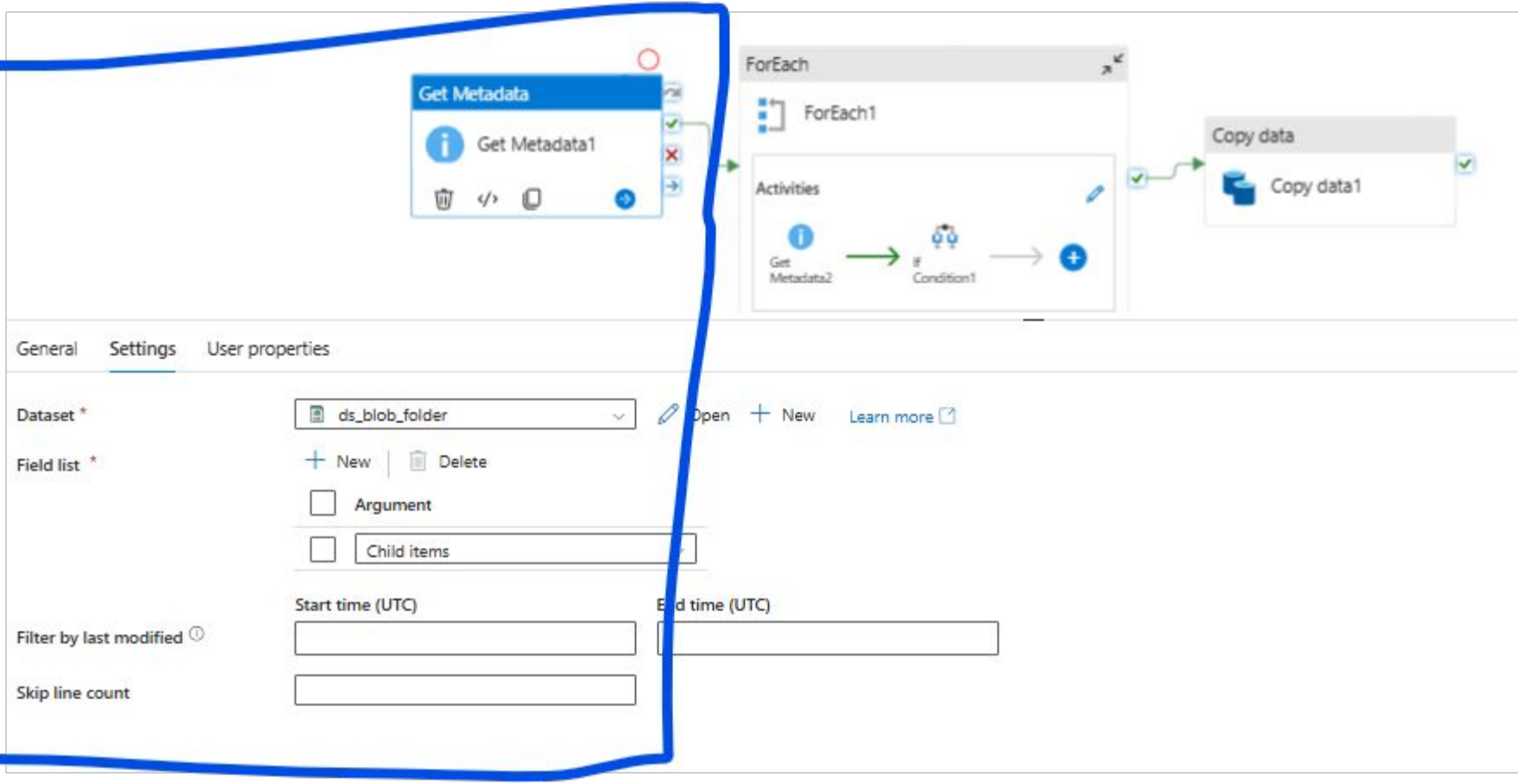
- **Purpose:** Iterates over each item retrieved by `Get Metadata1` (e.g., `2021-03-21` and `2021-03-28`).
- **Scope:** Inside the `ForEach` loop, multiple activities are executed for each folder.

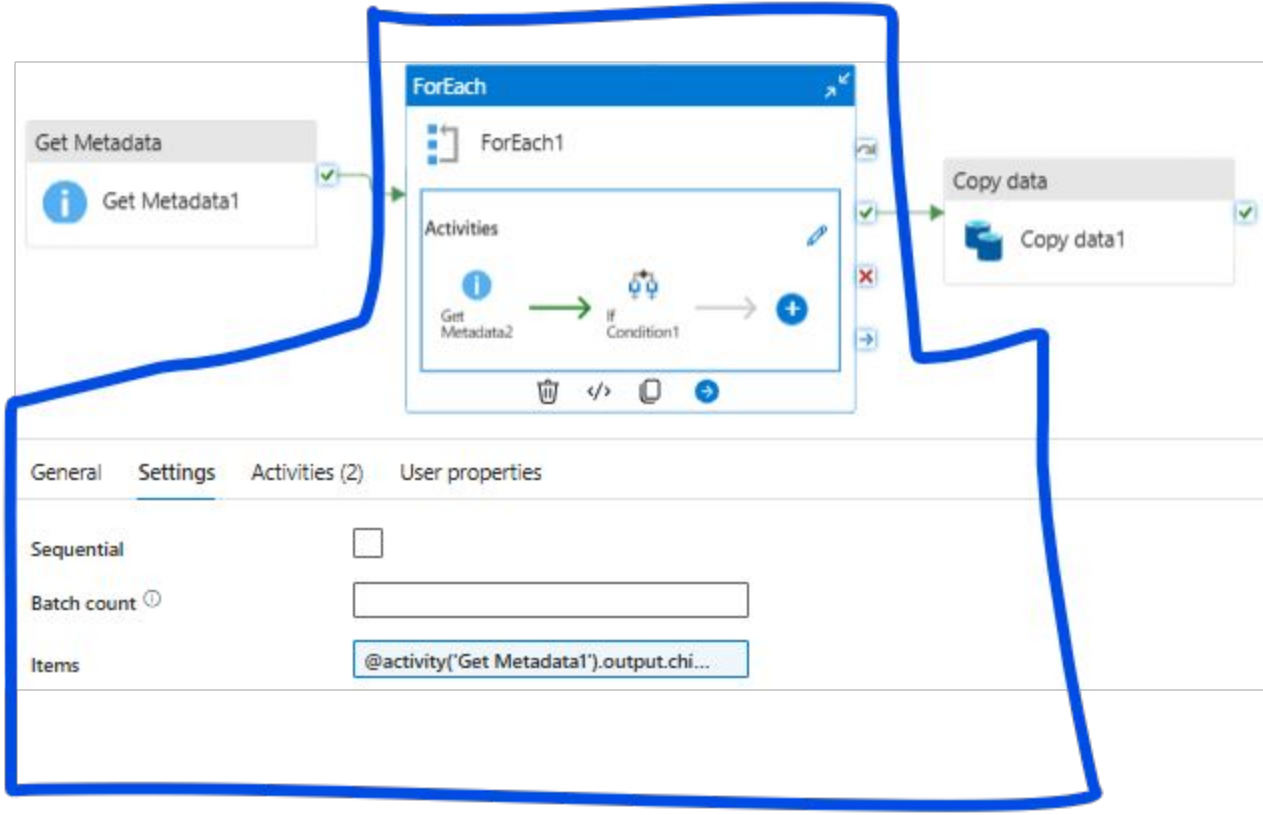
Inside `ForEach` Loop:

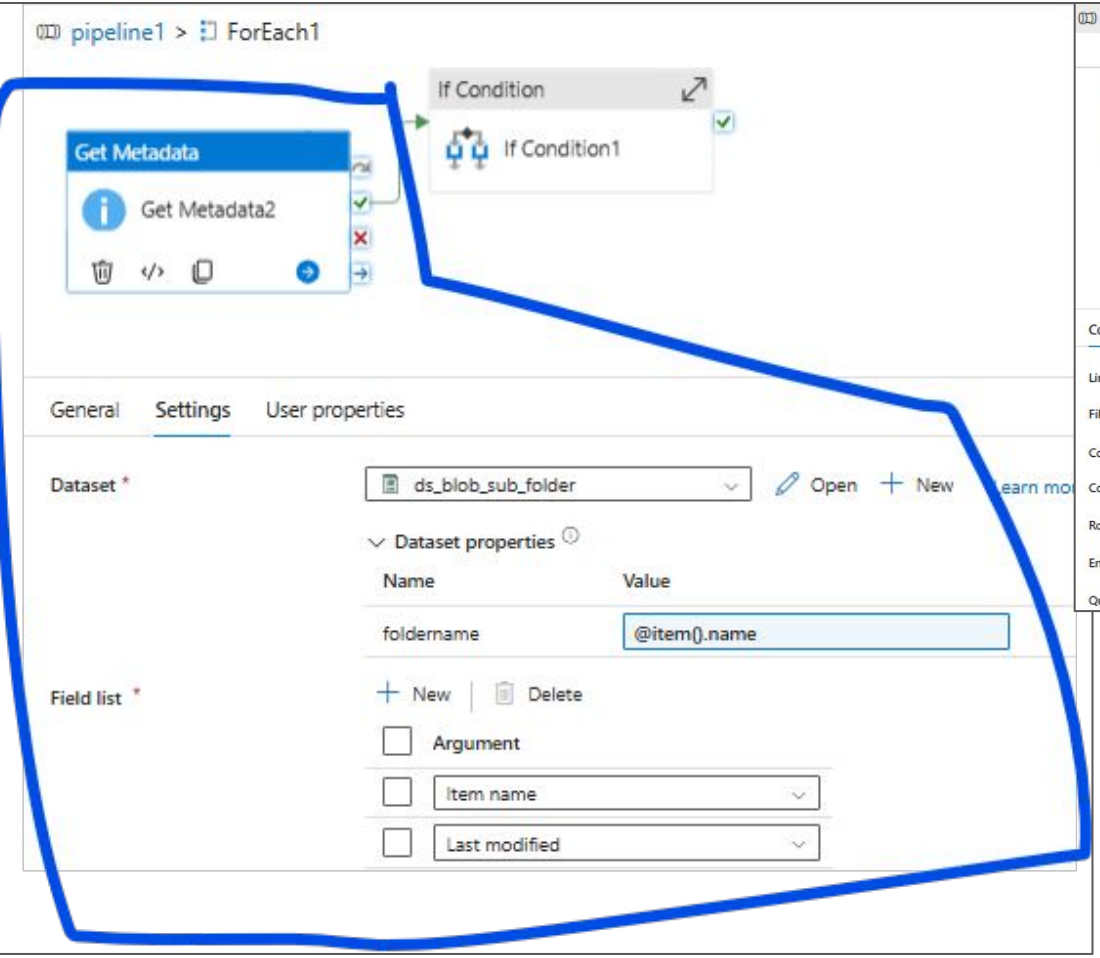
1. **`Get Metadata2`:**
   - **Purpose:** Fetches metadata for the specific folder being processed in the current iteration.
   - **Example Output:** Metadata for the folder `2021-03-21`.
2. **`If Condition1`:**
   - **Purpose:** Evaluates whether the folder or file satisfies a specific condition (e.g., 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.

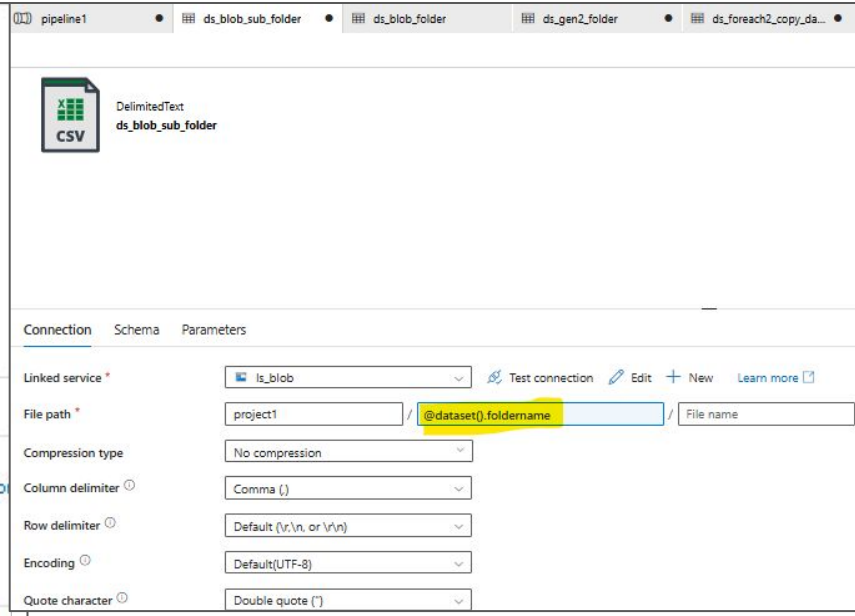
3. Final Processing Outside `ForEach`:

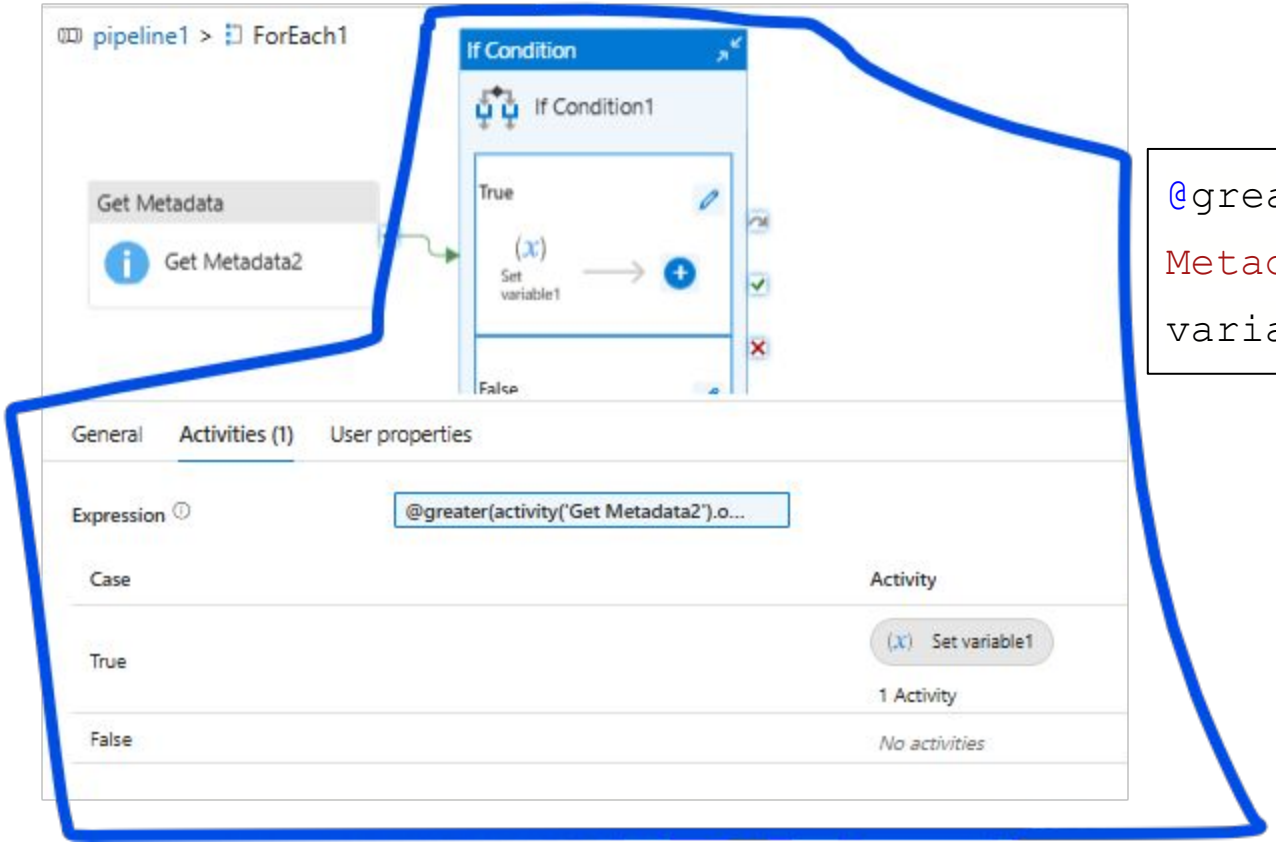
1. **`Copy Data1`:**
   - **Purpose:** Copies data from the selected folder (latest folder determined by the pipeline logic) to the destination Gen2 storage.
   - **Execution:** The `Copy Data` activity uses the variable set in the `ForEach` loop to determine the source folder


Get Metadata
Get Metadata1
ForEach
ForEach1
Activities
Get Metadata2
If Condition1
Copy data
Copy data1
General
Settings
User properties
Dataset *
ds_blob_folder
Open
New
Learn more
Field list *
New
Delete
Argument
Child items
Start time (UTC)
End time (UTC)
Filter by last modified
Skip line count

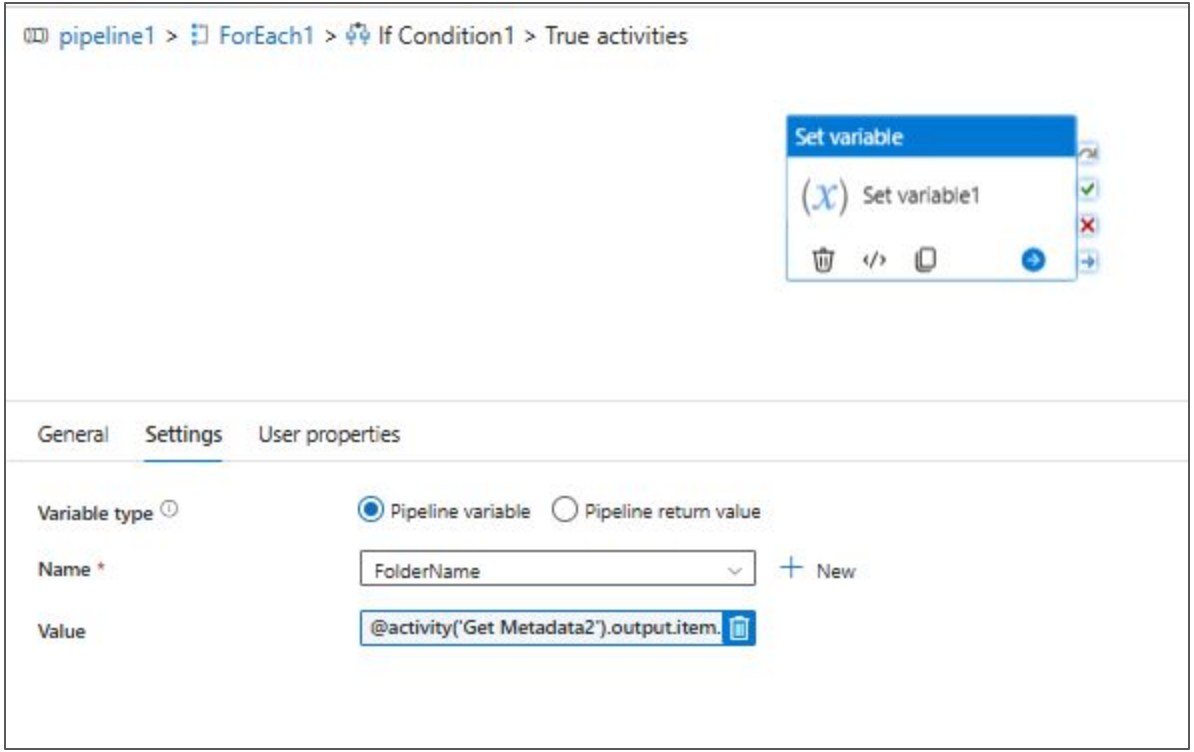

Get Metadata
Get Metadata1
ForEach
ForEach1
Activities
Get Metadata2
If Condition1
Copy data
Copy data1
General
Settings
Activities (2)
User properties
Sequential
Batch count
Items
@activity('Get Metadata1').output.chi...


pipeline1 > ForEach1
If Condition
If Condition1
Get Metadata
Get Metadata2
General
Settings
User properties
Dataset *
ds_blob_sub_folder
Open
New
Dataset properties
Name
Value
foldername
@item().name
Field list *
New
Delete
Argument
Item name
Last modified

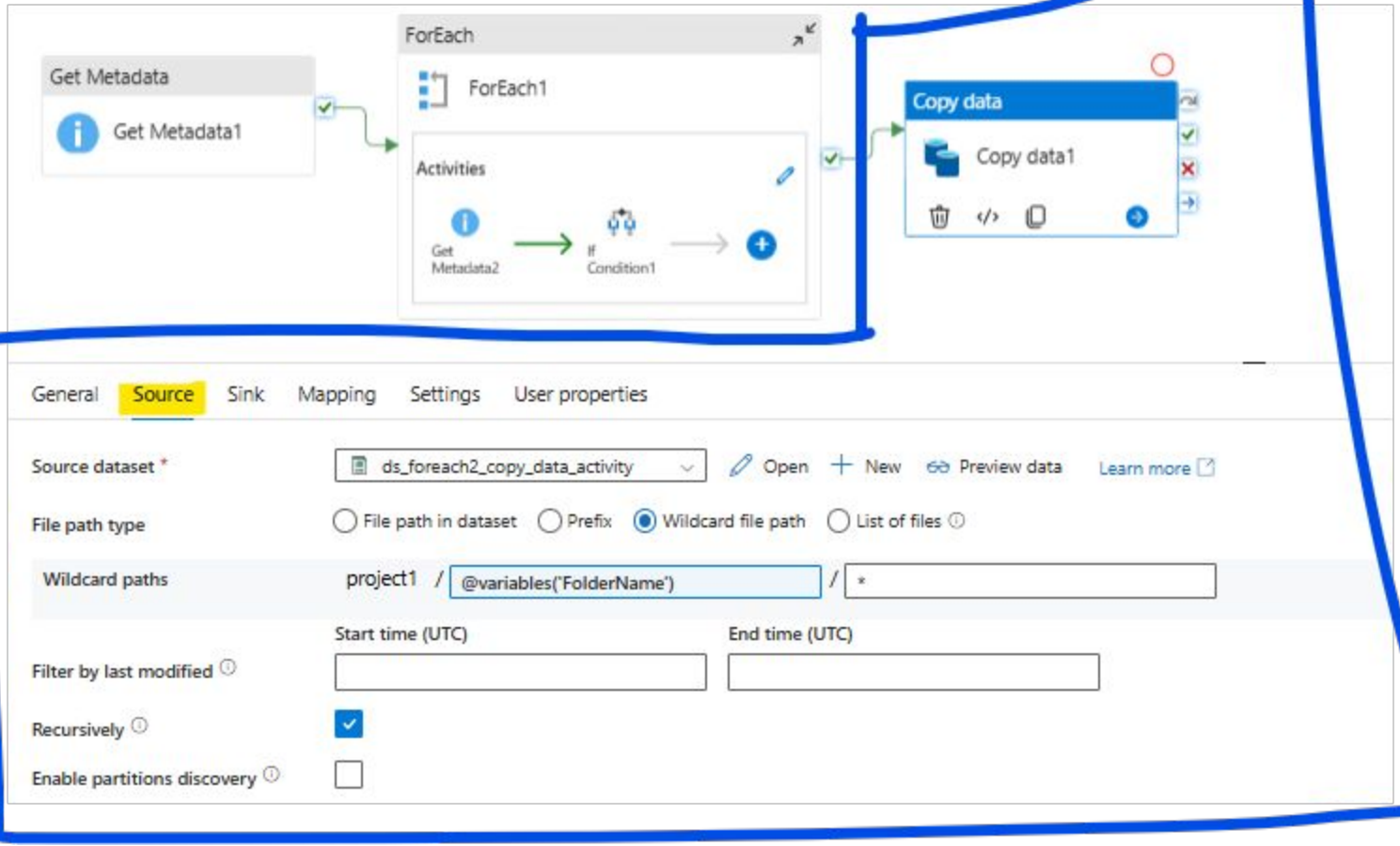

pipeline1
ds_blob_sub_folder
ds_blob_folder
ds_gen2_folder
ds_foreach2_copy_da...
CSV
DelimitedText
ds_blob_sub_folder
Connection
Schema
Parameters
Linked service *
ls_blob
Test connection
Edit
New
Learn more
File path *
project1
@dataset().foldername
File name
Compression type
No compression
Column delimiter
Comma (,)
Row delimiter
Default (\r,\n, or \r\n)
Encoding
Default(UTF-8)
Quote character
Double quote (")

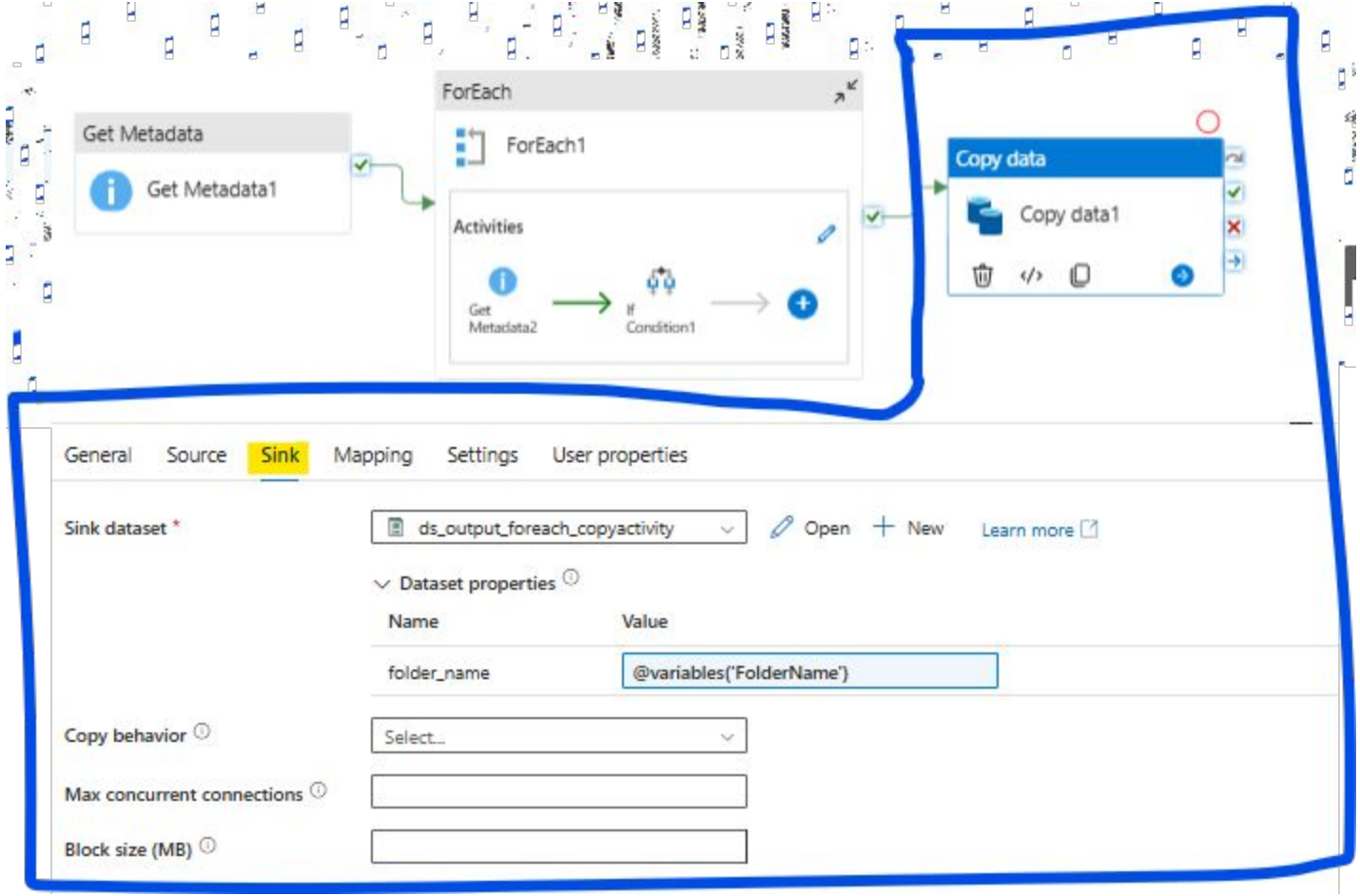



```
@greater(activity('Get Metadata2').output.itemName, variables('FolderName') )
```




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


Get Metadata
Get Metadata1
ForEach
ForEach1
Activities
Get Metadata2
If Condition1
Copy data
Copy data1
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)