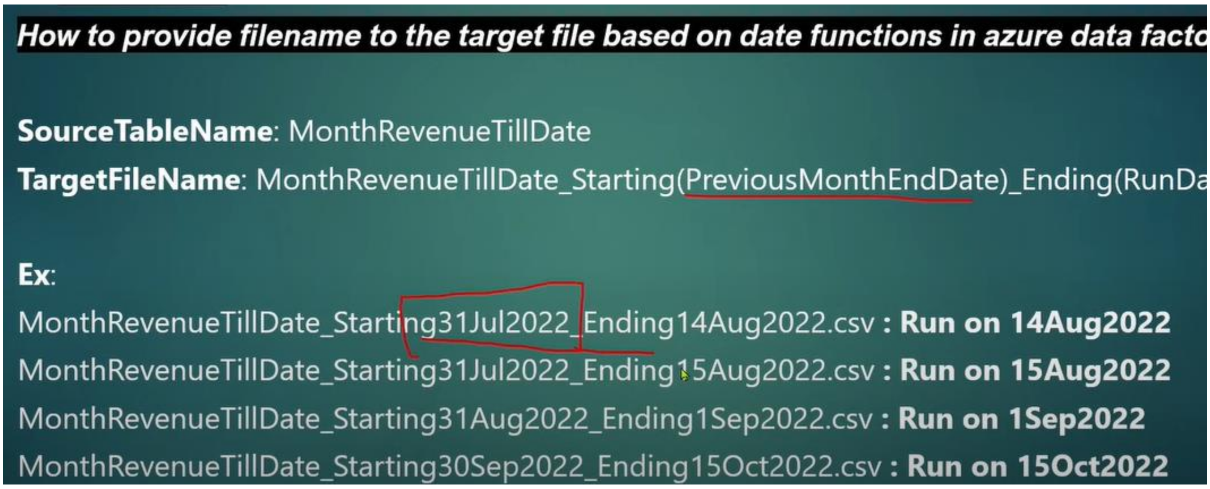
1. How to provide filename to the target file based on date function



How to provide filename to the target file based on date functions in azure data facto

SourceTableName: MonthRevenueTillDate

TargetFileName: MonthRevenueTillDate_Starting(PreviousMonthEndDate)_Ending(RunDa

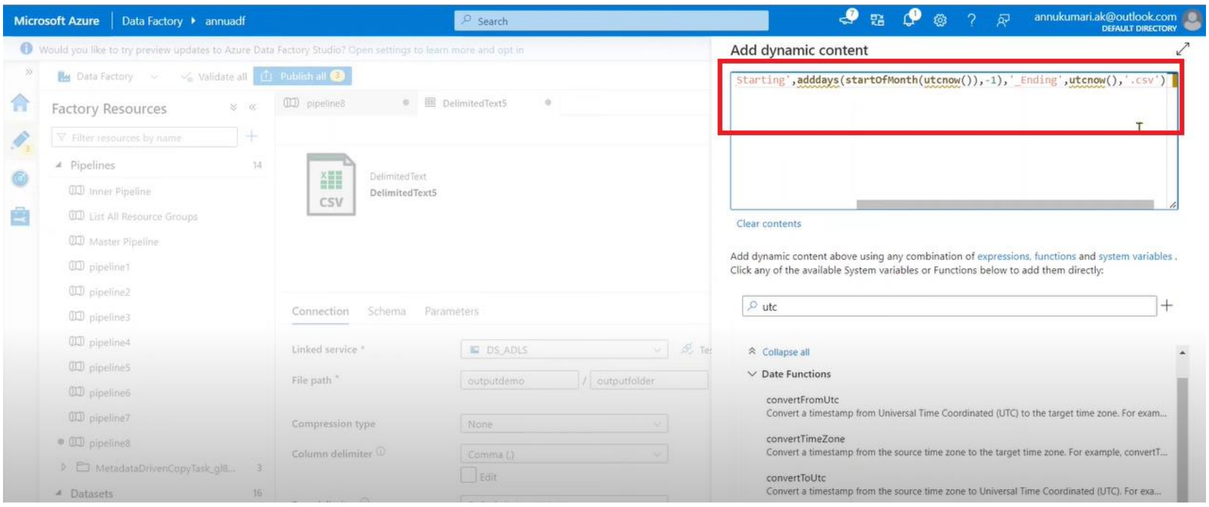
Ex:

MonthRevenueTillDate_Starting31Jul2022_Ending14Aug2022.csv **: Run on 14Aug2022**

MonthRevenueTillDate_Starting31Jul2022_Ending15Aug2022.csv **: Run on 15Aug2022**

MonthRevenueTillDate_Starting31Aug2022_Ending1Sep2022.csv **: Run on 1Sep2022**

MonthRevenueTillDate_Starting30Sep2022_Ending15Oct2022.csv **: Run on 15Oct2022**



Linked service * DS_ADLS

File path * outputdemo / outputfolder

Compression type None

Column delimiter Comma (,)

Add dynamic content

```
Starting',adddays(startOfMonth(utcnow()),-1),'_Ending',utcnow(),'.csv')
```

Clear contents

Add dynamic content above using any combination of expressions, functions and system variables . Click any of the available System variables or Functions below to add them directly:

utc

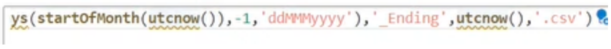
Collapse all

Date Functions

convertFromUtc
Convert a timestamp from Universal Time Coordinated (UTC) to the target time zone. For exam...

convertTimeZone
Convert a timestamp from the source time zone to the target time zone. For example, convertT...

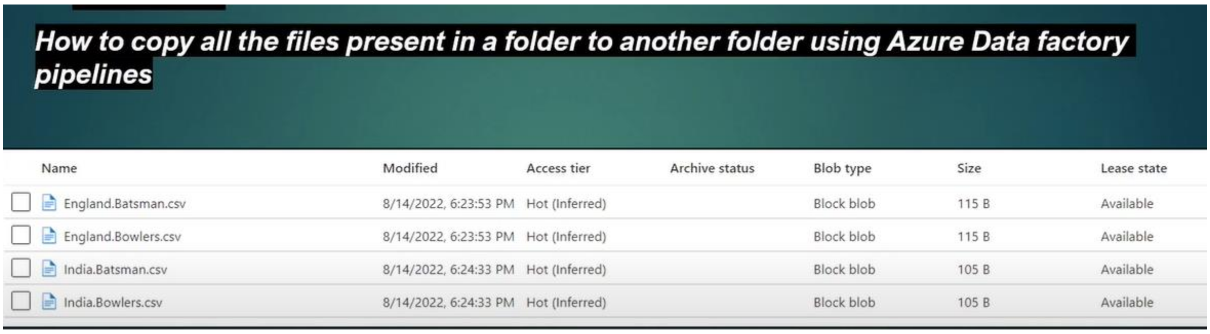
convertToUtc
Convert a timestamp from the source time zone to Universal Time Coordinated (UTC). For exa...



```
ys(startOfMonth(utcnow()),-1,'ddMMMyyyy'),'_Ending',utcnow(),'.csv')
```

@concat('monthStart', adddays('startofMonth', (utcnow()),'Ending', utcnow())

2. How to copy all the file present in folder to another folder using ADF

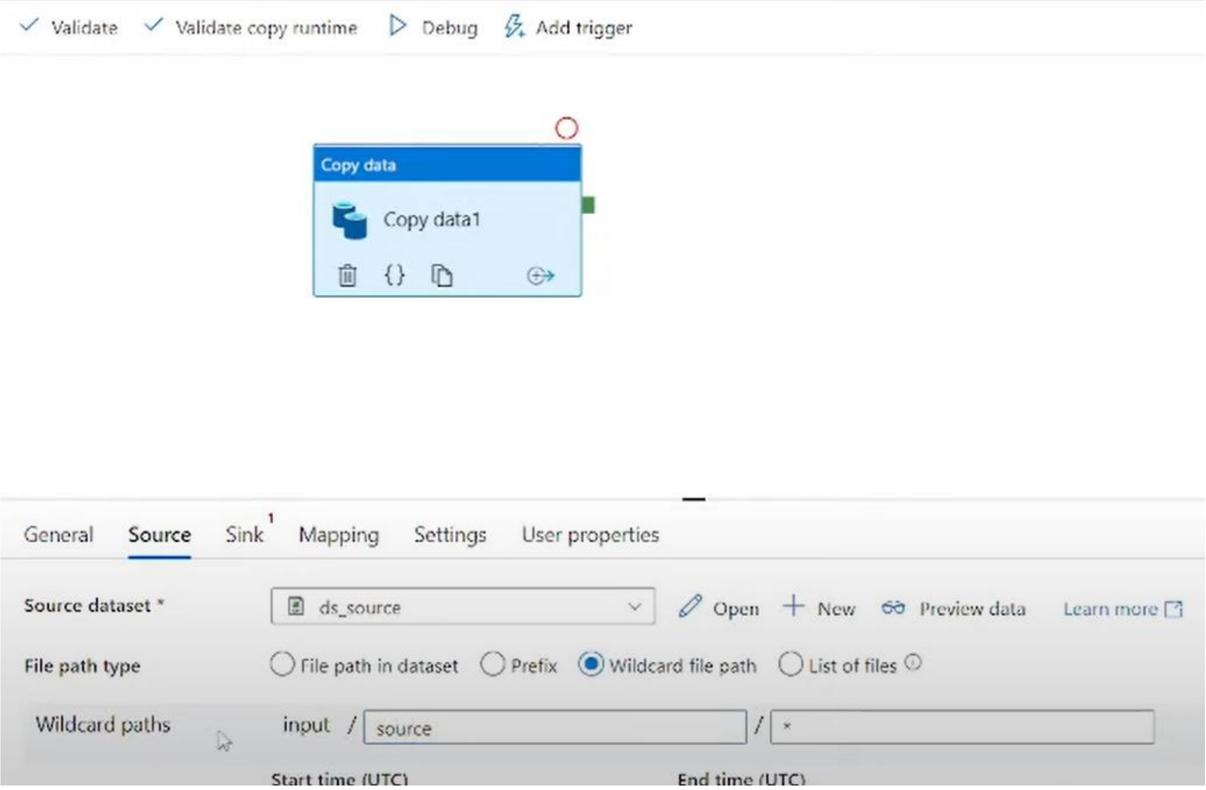


How to copy all the files present in a folder to another folder using Azure Data factory pipelines

	Name	Modified	Access tier	Archive status	Blob type	Size	Lease state
□	England.Batsman.csv	8/14/2022, 6:23:53 PM	Hot (Inferred)		Block blob	115 B	Available
□	England.Bowlers.csv	8/14/2022, 6:23:53 PM	Hot (Inferred)		Block blob	115 B	Available
□	India.Batsman.csv	8/14/2022, 6:24:33 PM	Hot (Inferred)		Block blob	105 B	Available
□	India.Bowlers.csv	8/14/2022, 6:24:33 PM	Hot (Inferred)		Block blob	105 B	Available

Method – 1

- **Configure Source Dataset Create a dataset for your source (e.g., Azure Blob Storage, ADLS). Use the Wildcard File Path option in the source settings to specify multiple files or folders. For example: Folder Path: demo/source/ Wildcard File Name: *.csv This will select all .csv files in the specified folder.**



Source dataset * ds_source

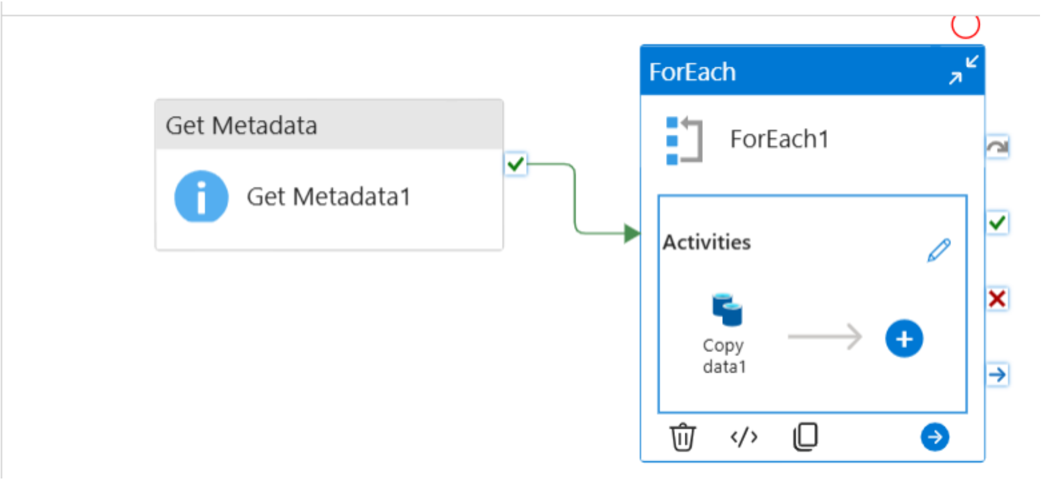
File path type ○ File path in dataset ○ Prefix ● Wildcard file path ○ List of files

Wildcard paths input / source / *

Start time (UTC) End time (UTC)

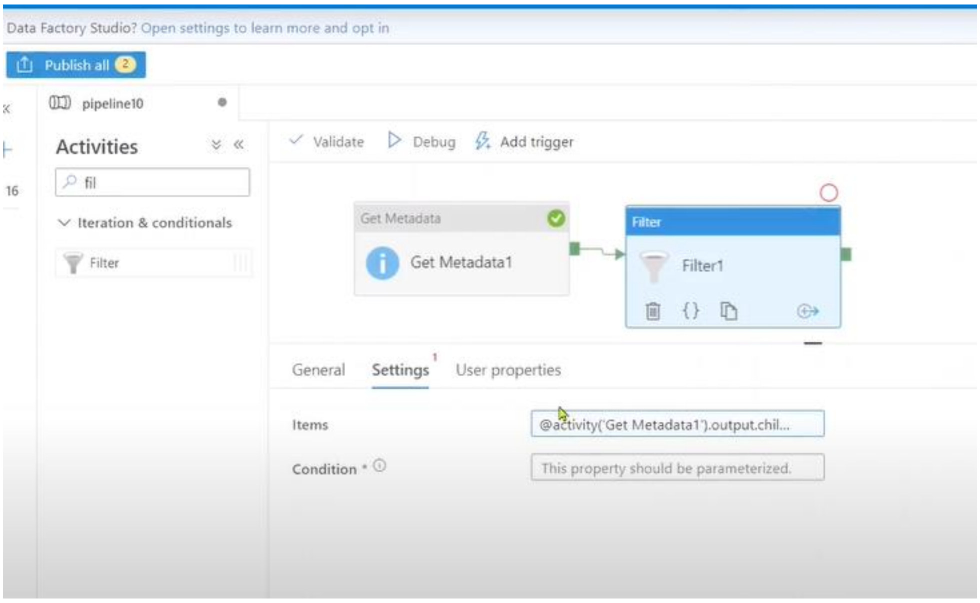
Method – 2 (dynamic copying)

- **Use ForEach Activity for Dynamic Copying If you need to copy files from multiple folders dynamically: Use a get metadata Activity to fetch folder/file paths. Pass the output of the get metadata (child item) to a ForEach Activity. Inside the ForEach loop, configure the Copy Activity with dynamic parameters for source and sink paths: Source Path: @item().SourcePath Sink Path: @item().DestinationPath**



3. **How to copy files of specific format from one ADLS folder to another using ADF pipeline**

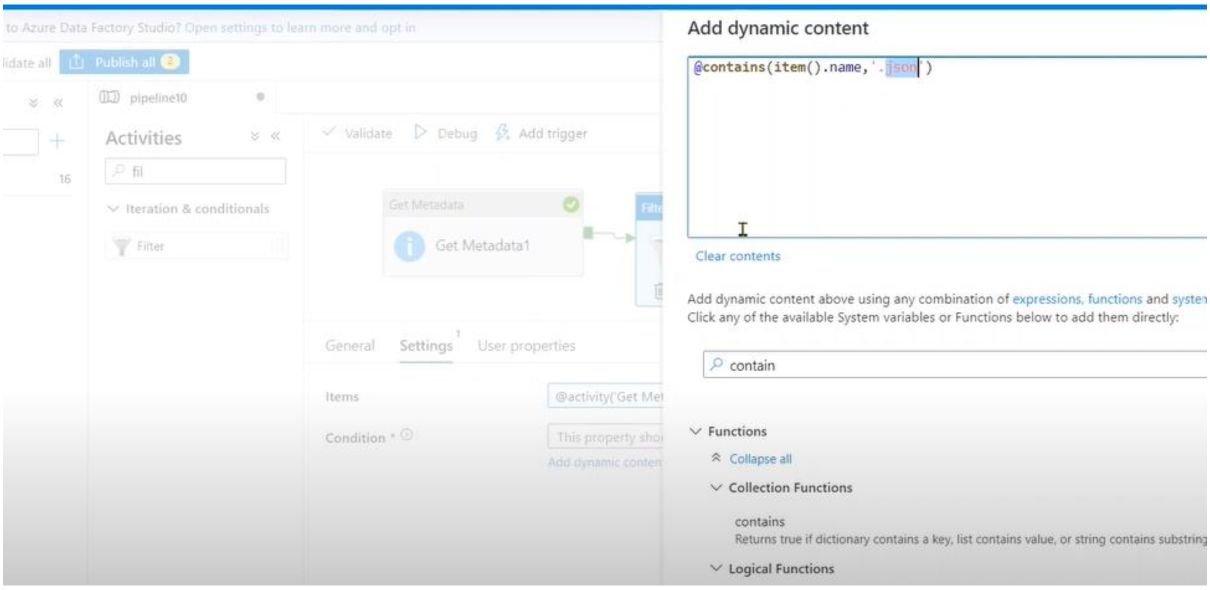
Step-1: get all file information using **Get Metadata activity** and the output to the **filter activity**



Items @activity('Get Metadata1').output.chil...

Condition * This property should be parameterized.

We can give dynamic file type also



Add dynamic content

```
@contains(item().name,'.json')
```

Clear contents

Add dynamic content above using any combination of expressions, functions and system
Click any of the available System variables or Functions below to add them directly:

contain

Functions

Collection Functions

contains
Returns true if dictionary contains a key, list contains value, or string contains substring

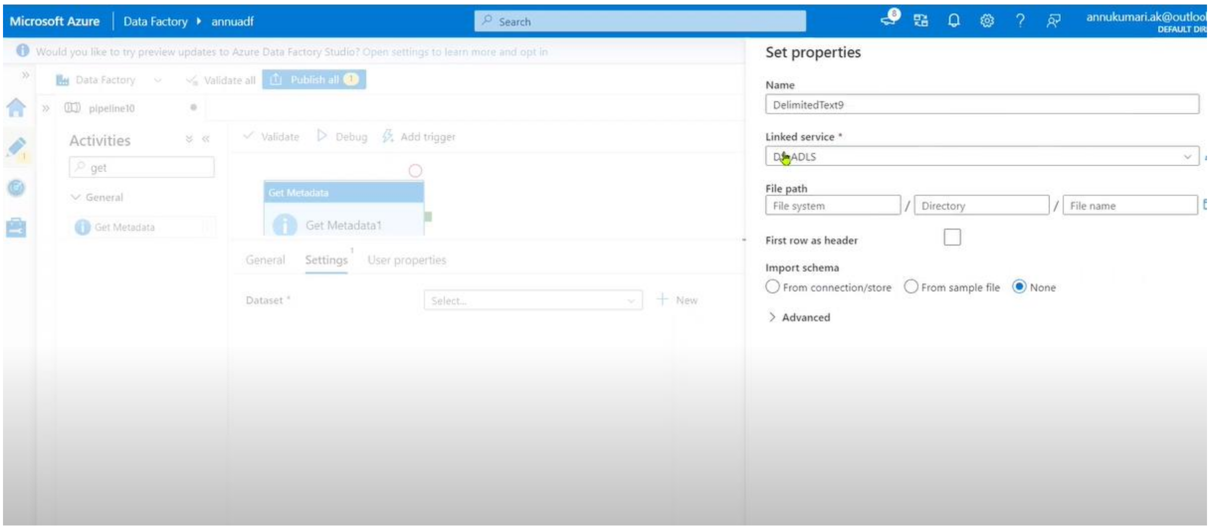
Logical Functions

Items: @activity('Get Met

Condition *: This property sho

4. **How to load all the ADLS foldername and count of files inside each folder into SQL table.**

Not given any file path



Set properties

Name: DelimitedText9

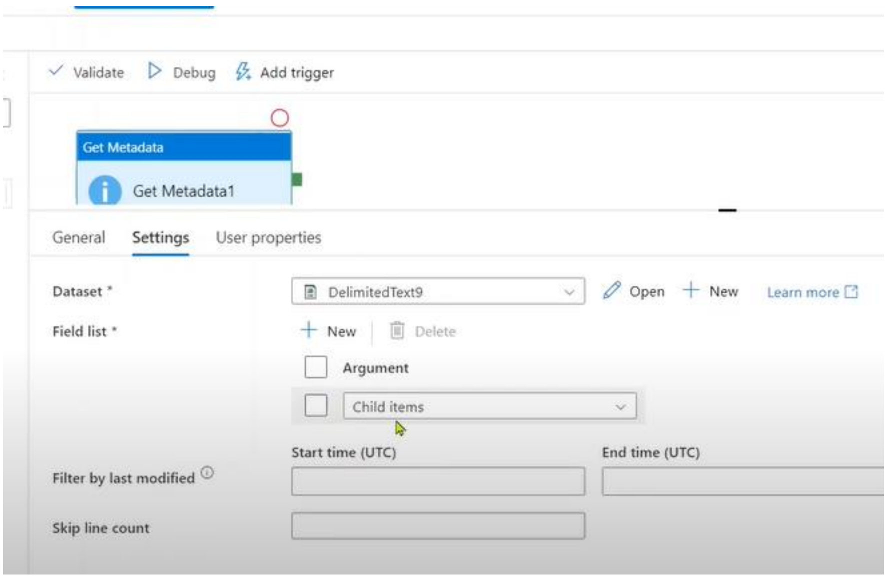
Linked service *: DL ADLS

File path: File system / Directory / File name

First row as header □

Import schema: ○ From connection/store ○ From sample file ● None

Advanced



Dataset * DelimitedText9 Open + New Learn more

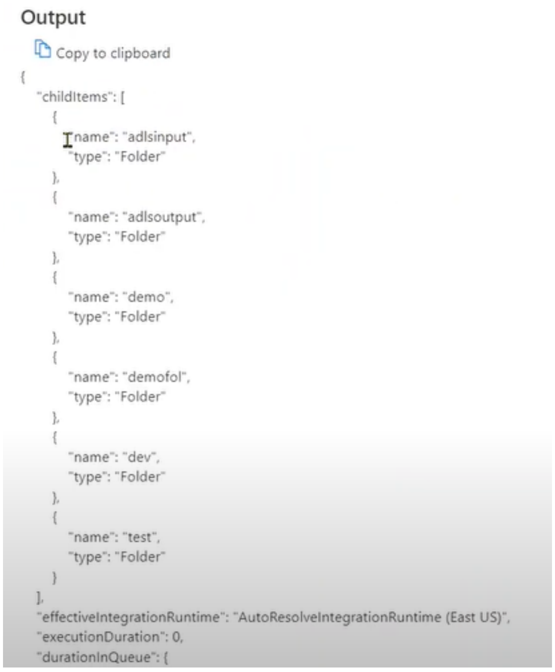
Field list * + New Delete

□ Argument

□ Child items

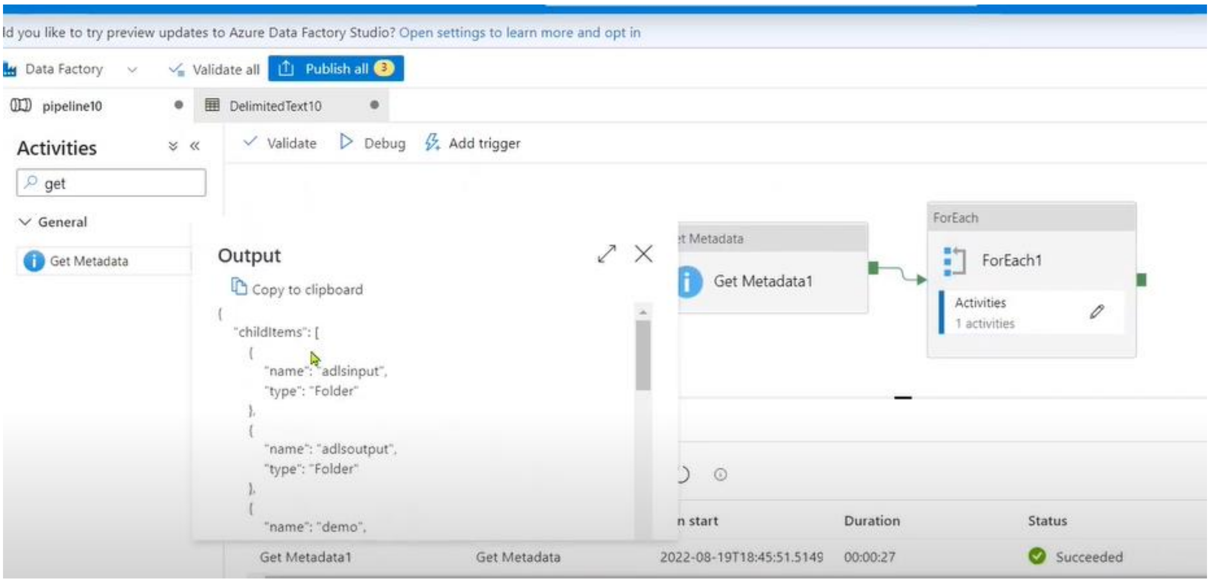
Filter by last modified Start time (UTC) End time (UTC)

Skip line count



```
{
   "childItems": [
      {
         "name": "adlsinput",
         "type": "Folder"
      },
      {
         "name": "adlsoutput",
         "type": "Folder"
      },
      {
         "name": "demo",
         "type": "Folder"
      },
      {
         "name": "demofol",
         "type": "Folder"
      },
      {
         "name": "dev",
         "type": "Folder"
      },
      {
         "name": "test",
         "type": "Folder"
      }
   ],
   "effectiveIntegrationRuntime": "AutoResolveIntegrationRuntime (East US)",
   "executionDuration": 0,
   "durationInQueue": {
```

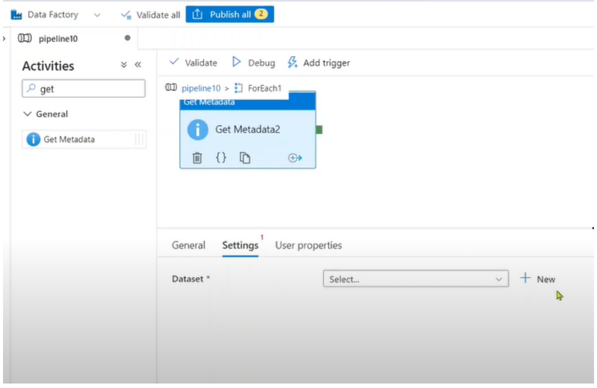
The ouput of get metadata 1 is given to For each activity



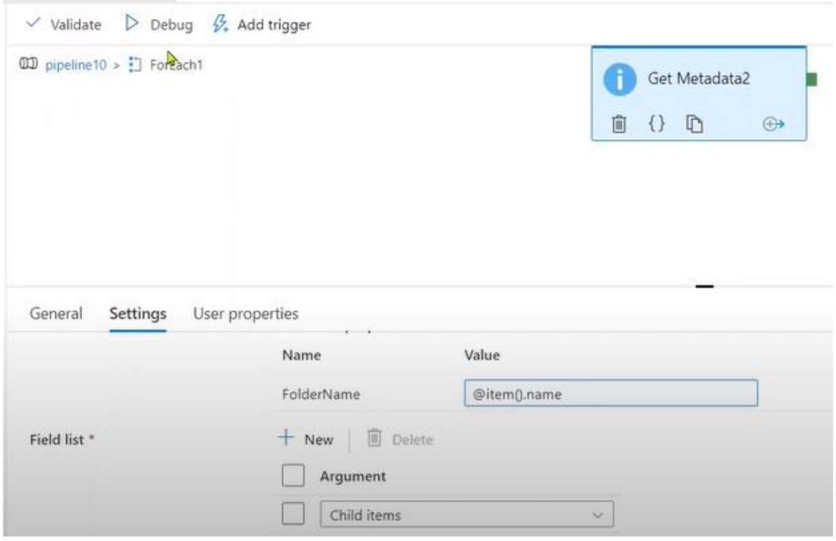
```
{
  "childItems": [
    {
      "name": "adlsinput",
      "type": "Folder"
    },
    {
      "name": "adlsoutput",
      "type": "Folder"
    },
    {
      "name": "demo",
```

		n start	Duration	Status
Get Metadata1	Get Metadata	2022-08-19T18:45:51.5149	00:00:27	Succeeded

Inside that another get metadata is called



Dataset * Select...

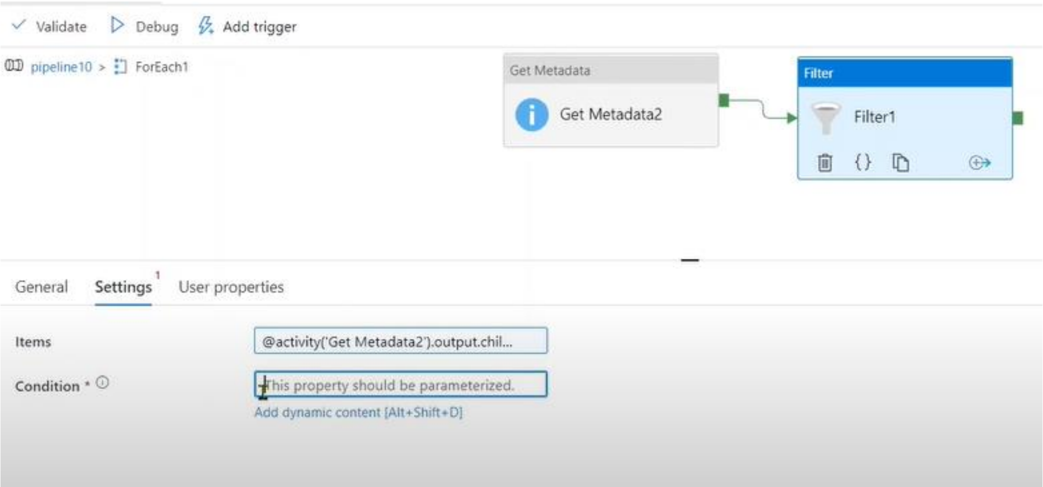


Name	Value
FolderName	@item().name

Field list *

□ Argument

□ Child items

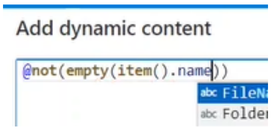


General | Settings | User properties

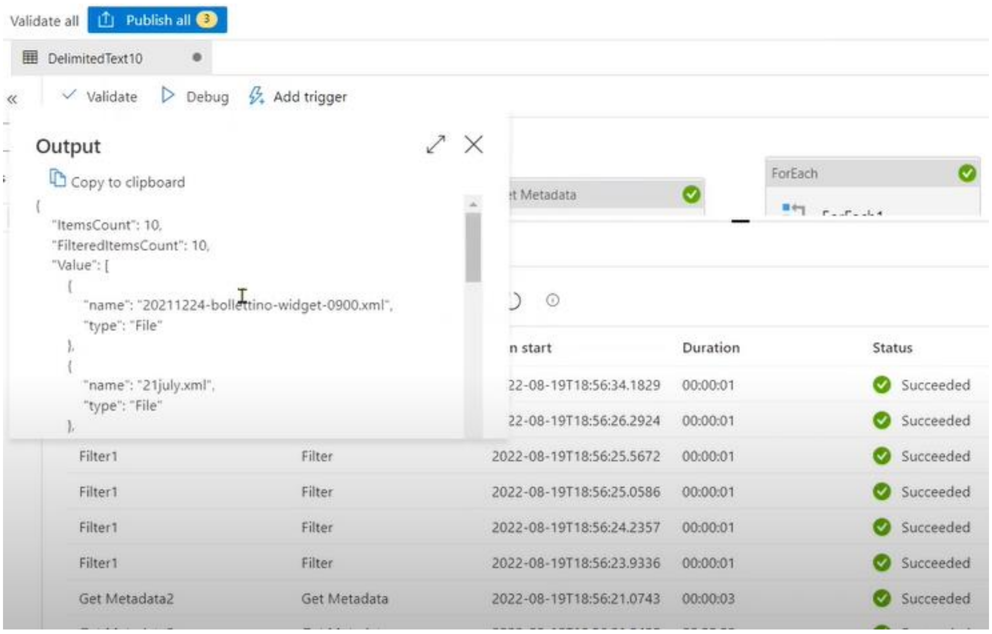
Items: @activity('Get Metadata2').output.chil...

Condition *: This property should be parameterized.

Add dynamic content [Alt+Shift+D]


Add dynamic content

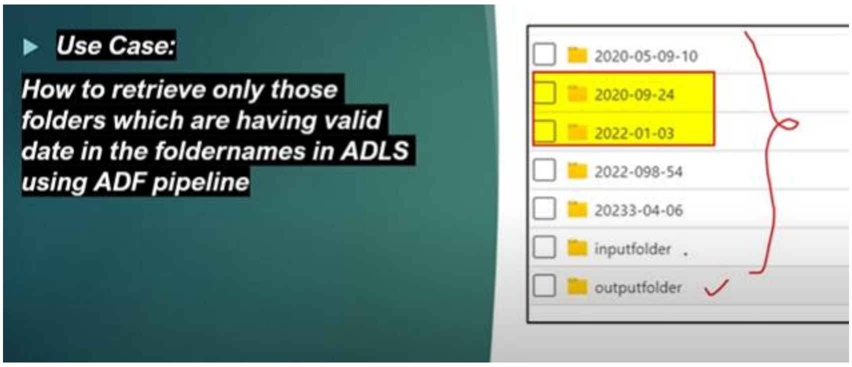
```
@not(empty(item().name))
```



```
{
  "ItemsCount": 10,
  "FilteredItemsCount": 10,
  "Value": [
    {
      "name": "20211224-bollettino-widget-0900.xml",
      "type": "File"
    },
    {
      "name": "21july.xml",
      "type": "File"
    },
```

		n start	Duration	Status
		22-08-19T18:56:34.1829	00:00:01	Succeeded
		22-08-19T18:56:26.2924	00:00:01	Succeeded
Filter1	Filter	2022-08-19T18:56:25.5672	00:00:01	Succeeded
Filter1	Filter	2022-08-19T18:56:25.0586	00:00:01	Succeeded
Filter1	Filter	2022-08-19T18:56:24.2357	00:00:01	Succeeded
Filter1	Filter	2022-08-19T18:56:23.9336	00:00:01	Succeeded
Get Metadata2	Get Metadata	2022-08-19T18:56:21.0743	00:00:03	Succeeded

5. How to retrieve folder having valid date in the FolderName


Use Case:

How to retrieve only those folders which are having valid date in the foldernames in ADLS using ADF pipeline

- □ 2020-05-09-10
- □ 2020-09-24
- □ 2022-01-03
- □ 2022-098-54
- □ 20233-04-06
- □ inputfolder
- □ outputfolder

1. Use Get Metadata on the parent container.
    - Field list → Child items.

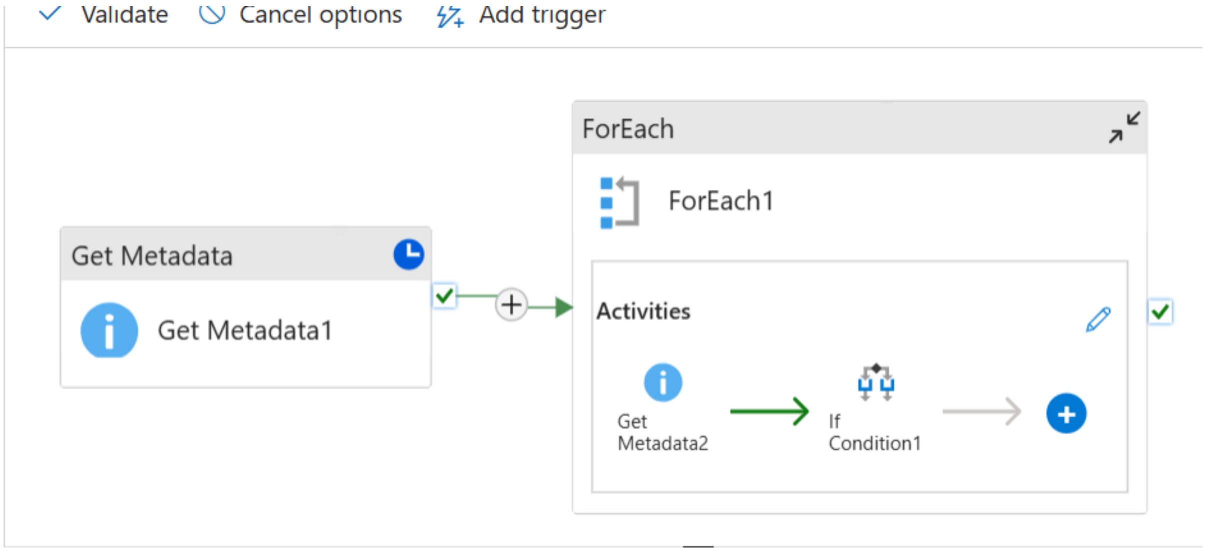
2. In a ForEach loop over @activity('Get Metadata1').output.childItems.
3. Inside ForEach add If Condition with an expression that checks if the folder name is a valid date.

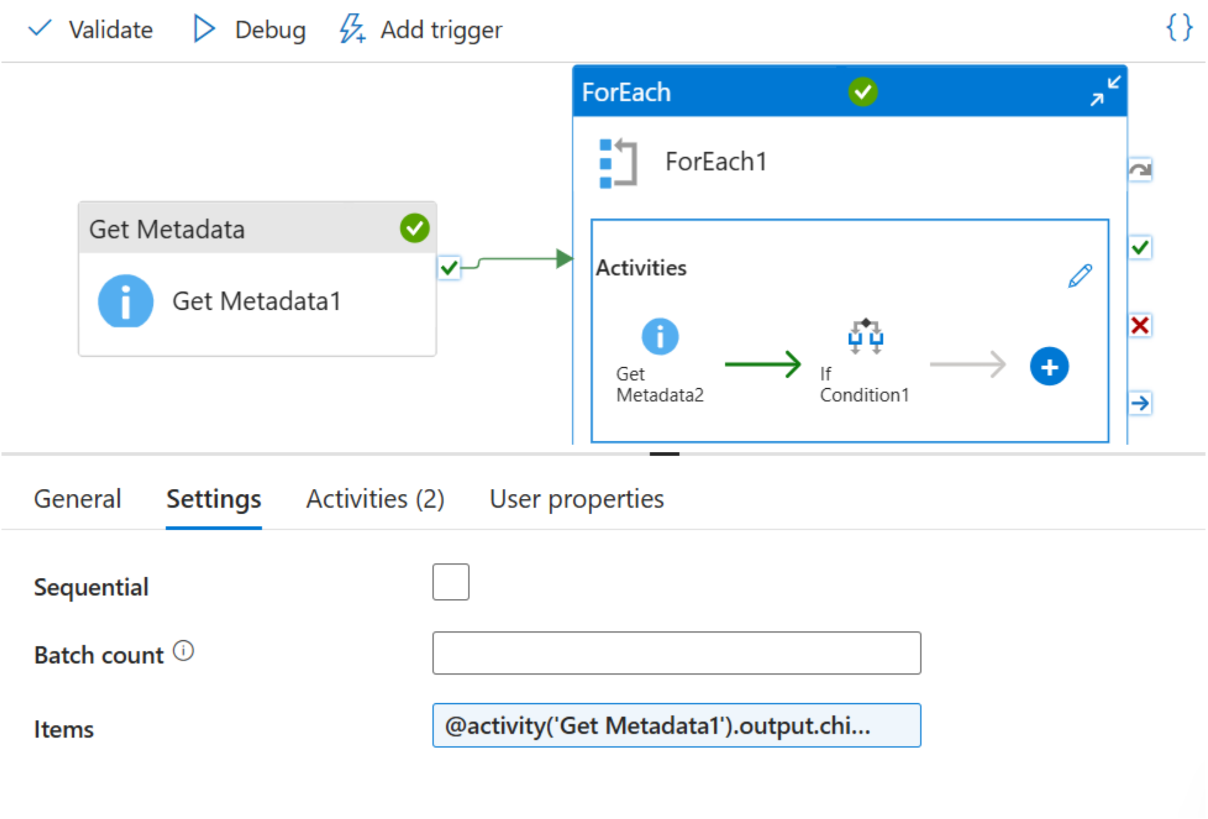
If your folders are yyyyMMdd: @not(empty(tryParseDateTime(item().name, 'yyyyMMdd')))

If your folders are yyyy-MM-dd: @not(empty(tryParseDateTime(item().name, 'yyyy-MM-dd')))

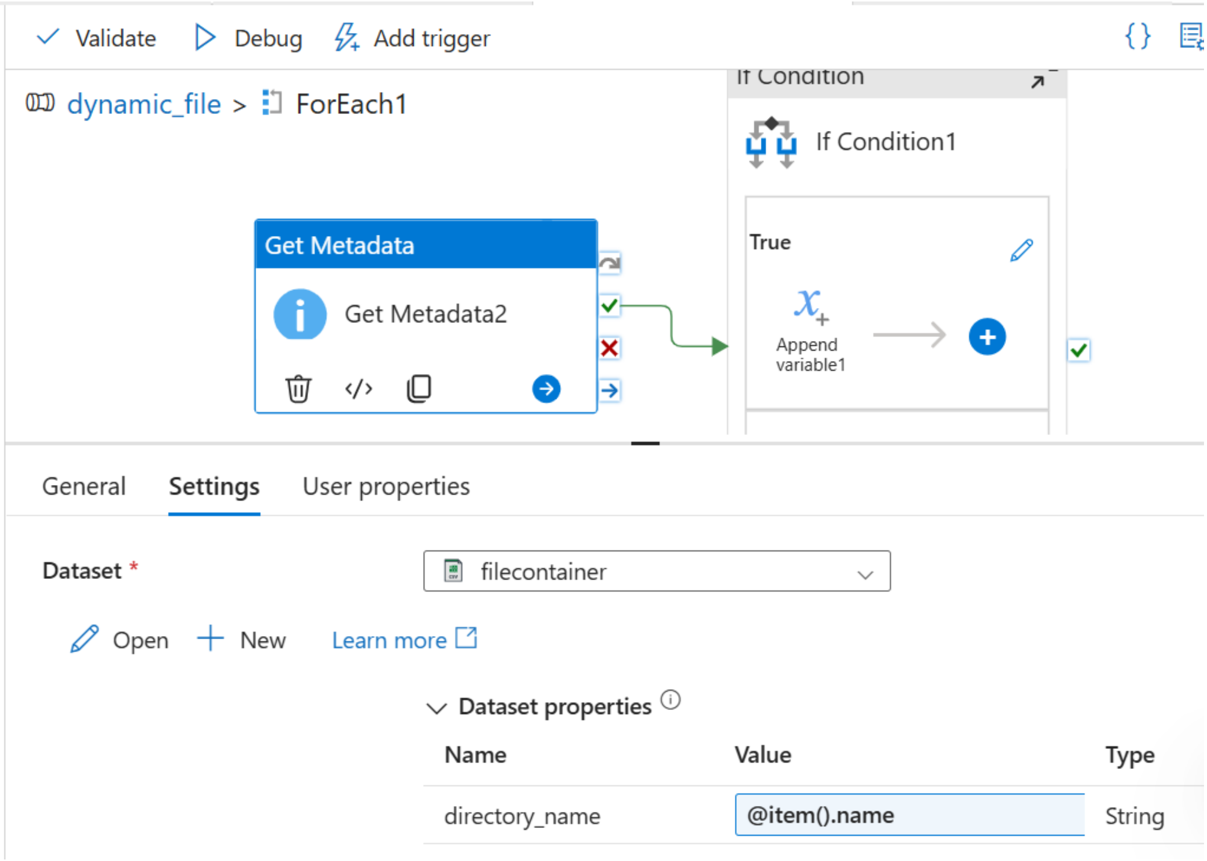
6. How to get the list of empty and non-empty ADLS folder.

Get metadata → for each → get metadata (directory) → IF (True) → append variable(file name) IF (false) → append variable(file name)





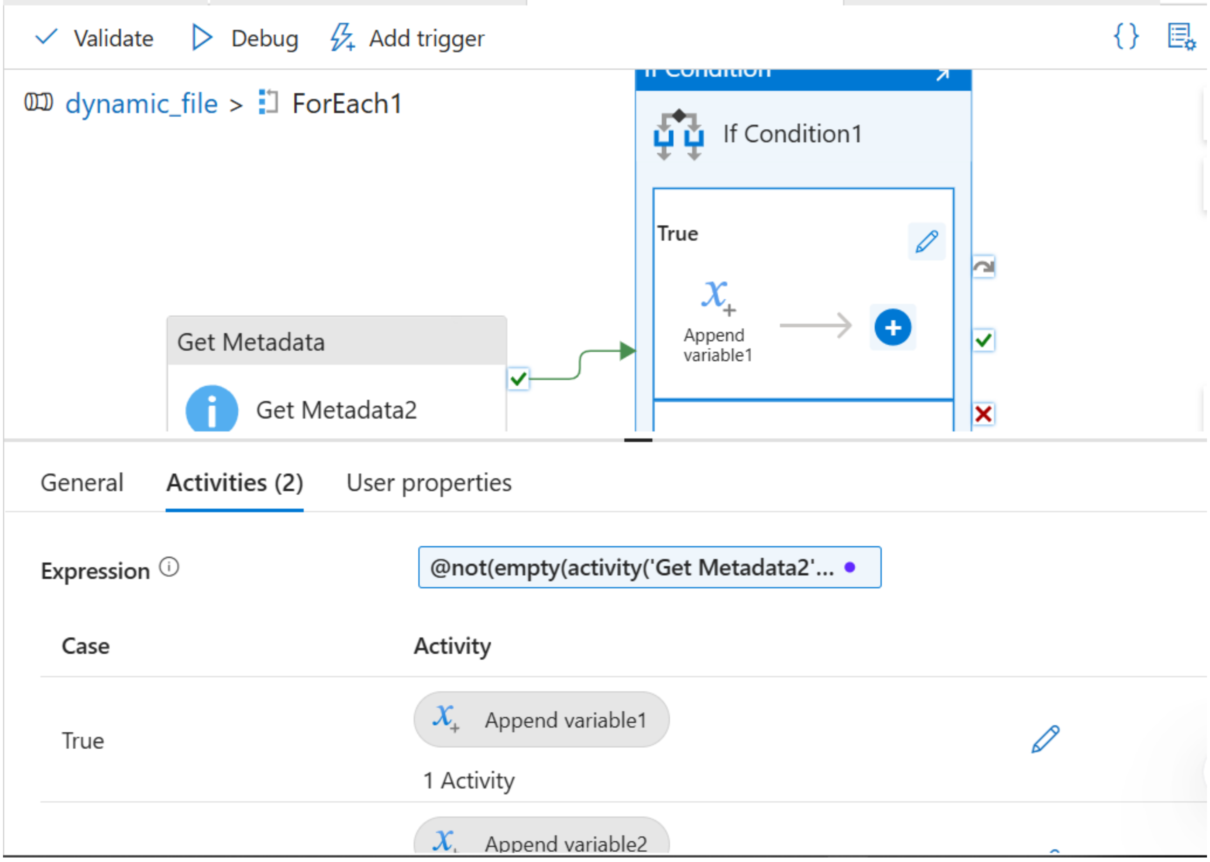
Sequential	□
Batch count ⓘ	
Items	@activity('Get Metadata1').output.chi...



Dataset * filecontainer

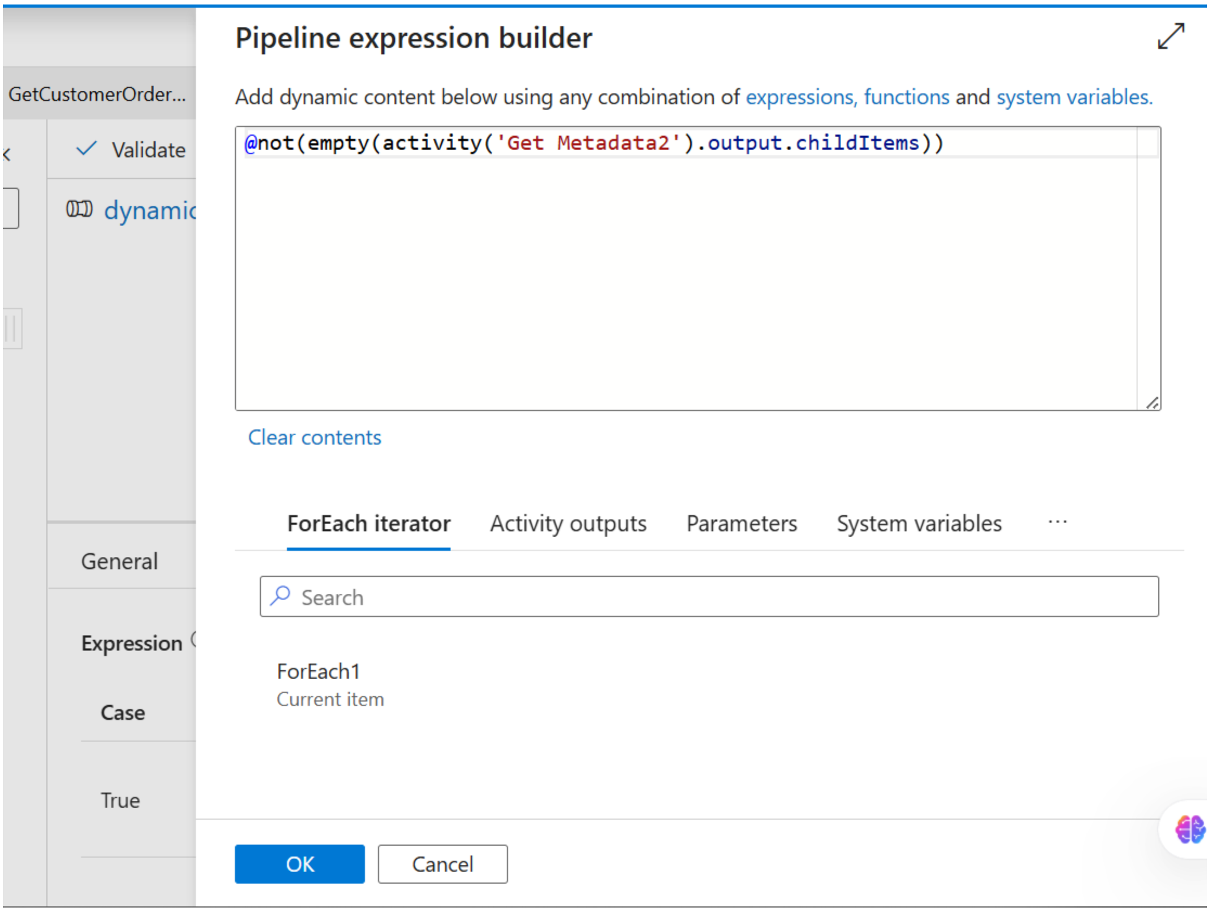
Dataset properties

Name	Value	Type
directory_name	@item().name	String



Expression @not(empty(activity('Get Metadata2'...

Case	Activity
True	Append variable1 1 Activity
	Append variable2



Expression

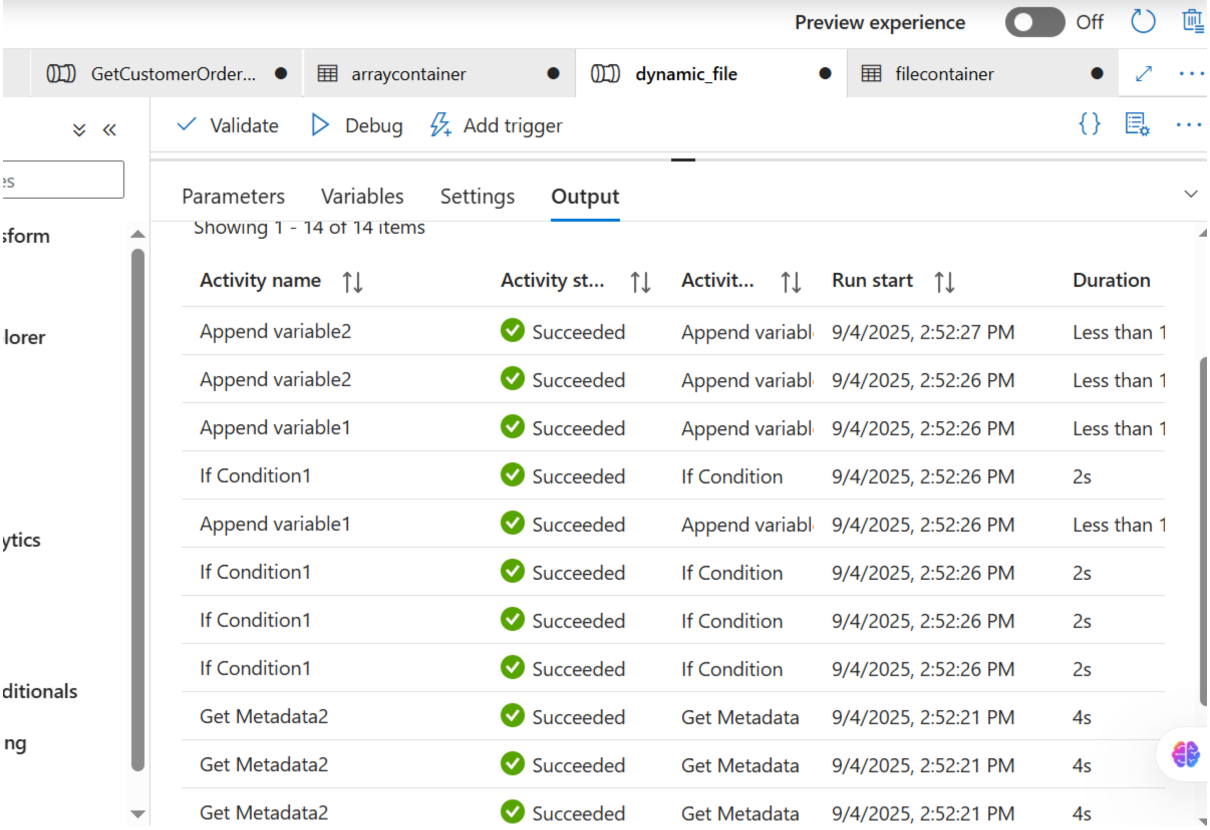
Case

True

Pipeline expression builder

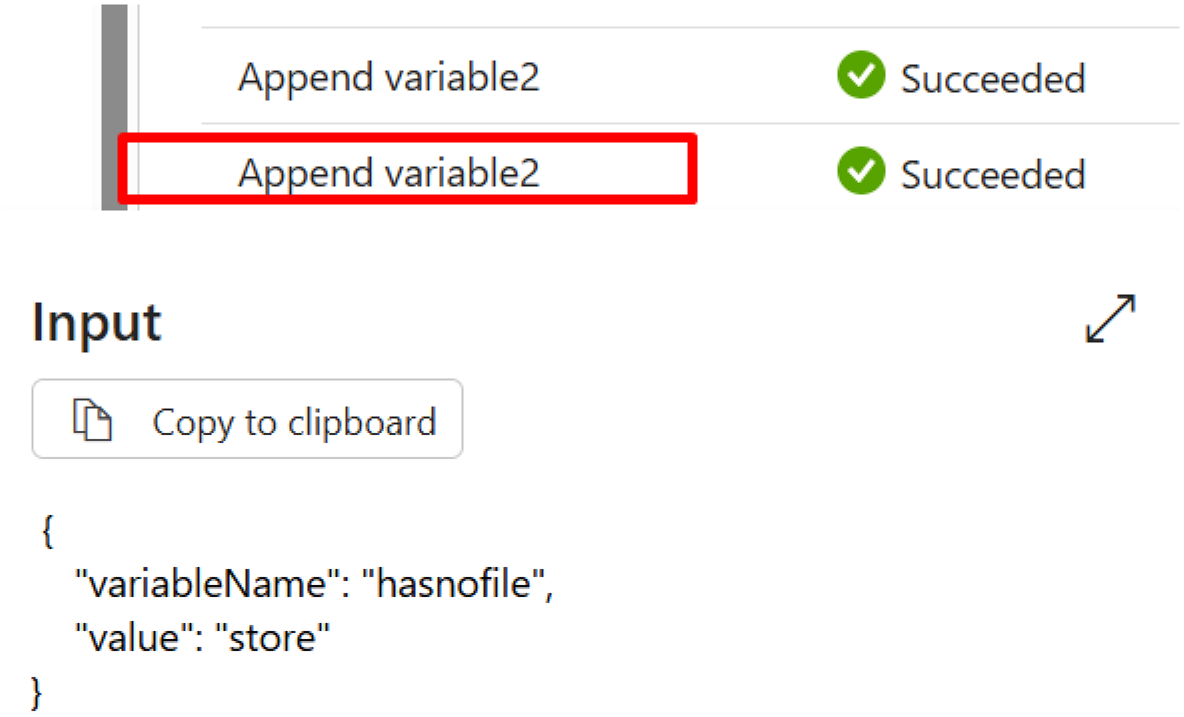
Add dynamic content below using any combination of expressions, functions and system variables.

```
@not(empty(activity('Get Metadata2').output.childItems))
```



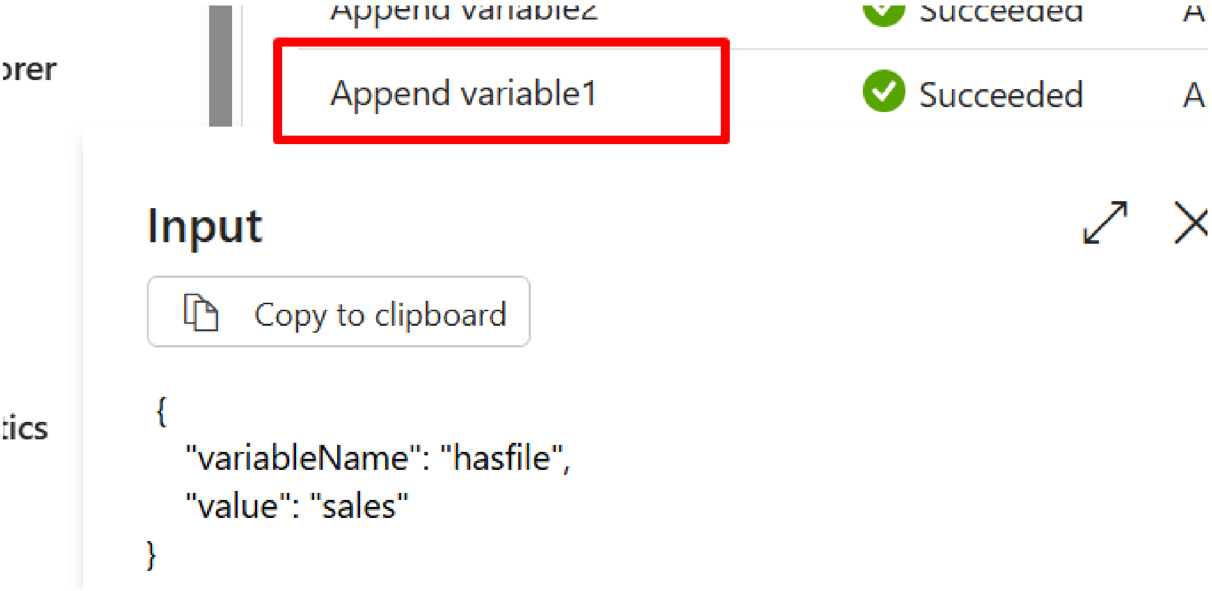
Showing 1 - 14 of 14 items

Activity name	Activity st...	Activit...	Run start	Duration
Append variable2	✓ Succeeded	Append variabl	9/4/2025, 2:52:27 PM	Less than 1
Append variable2	✓ Succeeded	Append variabl	9/4/2025, 2:52:26 PM	Less than 1
Append variable1	✓ Succeeded	Append variabl	9/4/2025, 2:52:26 PM	Less than 1
If Condition1	✓ Succeeded	If Condition	9/4/2025, 2:52:26 PM	2s
Append variable1	✓ Succeeded	Append variabl	9/4/2025, 2:52:26 PM	Less than 1
If Condition1	✓ Succeeded	If Condition	9/4/2025, 2:52:26 PM	2s
If Condition1	✓ Succeeded	If Condition	9/4/2025, 2:52:26 PM	2s
If Condition1	✓ Succeeded	If Condition	9/4/2025, 2:52:26 PM	2s
Get Metadata2	✓ Succeeded	Get Metadata	9/4/2025, 2:52:21 PM	4s
Get Metadata2	✓ Succeeded	Get Metadata	9/4/2025, 2:52:21 PM	4s
Get Metadata2	✓ Succeeded	Get Metadata	9/4/2025, 2:52:21 PM	4s



Append variable2	✓ Succeeded
Append variable2	✓ Succeeded

```
{
  "variableName": "hasnofile",
  "value": "store"
}
```



Append variable2	✓ Succeeded	A
Append variable1	✓ Succeeded	A

```
{
  "variableName": "hasfile",
  "value": "sales"
}
```