

Create Data Factory



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 * ⓘ

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Databricks

Notebook ingest_circuits_file

+

Properties General Related

Name * pl_ingest_formula1_data

Description

Annotations New

General Azure Databricks 1 Settings 1 User properties

Name * ingest_circuits_file Learn more

Description

Activity state (preview) Active Inactive

Timeout 0.12:00:00

Retry 0

Retry interval (sec) 30

Secure output

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pl_ingest_formula1... •

Validate Add trigger

Notebook ingest_circuits_file

✓ Validate ▶ Debug ⚡ Add trigger

New linked service

Azure Databricks Learn more

From Azure subscription Enter manually

Azure subscription * ⓘ

Azure for Students (50381b31-77bb-4cc2-a6f1-156c0ef3f834)

Databricks workspace * ⓘ

dbkcourse_ws

Select cluster

New job cluster Existing interactive cluster Existing instance pool

Databrick Workspace URL * ⓘ

https://adb-4375995990155053.13.azuredatabricks.net

Authentication type *

Managed service identity

Workspace resource ID * ⓘ

/subscriptions/50381b31-77bb-4cc2-a6f1-156c0ef3f834/resourceGroups/dbkcourse_rg/pr

Managed identity name: erdbkcourse-adf
Managed identity object ID: 06ea5c65-c604-4996-84c0-aa098d43311c
Grant Data Factory service managed identity access to your Resources.

Existing cluster ID * ⓘ

Add workspace and access token to list options

Annotations

+ New

> Parameters

> Advanced ⓘ

Create Cancel Test connection

The screenshot illustrates the process of integrating Azure Data Factory with Azure Databricks. On the left, the 'Author' section of the Data Factory interface is visible, showing a list of factory resources like Pipelines, Datasets, and Power Query. The 'pl_ingest_formula1...' pipeline is currently selected. The main workspace on the right is focused on configuring a 'Databricks linked service'. Key configuration parameters include the workspace ('dbkcourse_ws'), the workspace URL ('https://adb-4375995990155053.13.azuredatabricks.net'), and the authentication method ('Managed service identity'). The 'Azure Databricks' tab is active, showing a preview of a Databricks notebook named 'ingest_circuits_file'. At the bottom, there are buttons for 'Create' and 'Cancel', along with a 'Test connection' link.

Add role assignment



Role **Members** Review + assign

Selected role Contributor

Assign access to User, group, or service principal
 Managed identity

Members [+ Select members](#)

Name	Object ID	Type
erdbkcourse-adf	06ea5c65-c604-4996-84c0-aa098d4331...	App

Description Optional

[Review + assign](#)

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pl_ingest_formula1... ●

Validate Debug Add trigger

Notebook ingest_circuits_file

trash icon copy icon refresh icon

New linked service

Azure Databricks Learn more

From Azure subscription Enter manually

Azure subscription * Azure for Students (50381b31-77bb-4cc2-a6f1-156c0ef3f834)

Databricks workspace * dbkcourse_ws

Select cluster New job cluster Existing interactive cluster Existing instance pool

Databrick Workspace URL * https://adb-4375995990155053.13.azuredatabricks.net

Authentication type * Managed service identity

Workspace resource ID * /subscriptions/50381b31-77bb-4cc2-a6f1-156c0ef3f834/resourceGroups/dbkcourse_rg/pr

Managed identity name: erdbkcourse-adf
Managed identity object ID: 06ea5c65-c604-4996-84c0-aa098d43311c
Grant Data Factory service managed identity access to your Resources.

Choose from existing clusters * dbkcourse_cluster

Annotations

+ New

> Parameters

Connection successful

Test connection

Create Cancel

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pl_ingest_formula1...

Validate

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Notebook

ingest_circuits_file

General

Azure Databricks

Settings

User preferences

Notebook path *

/Formula1_Project_Solutions/End of Course/ingestion

Browse

Select a file or folder.

... > Formula1-Project-Solutions > End of Course > ingestion

0.ingest_all_files

1.ingest_circuits_file

2.ingest_races_file

3.ingest_constructors_file

4.ingest_drivers_file

5.ingest_results_file

6.ingest_pit_stops_file

7.ingest_lap_times_file

8.ingest_qualifying_file

9.create_processed_database

Showing 1 - 10 of 10 items

OK

Cancel

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Preview experience Off

pl_ingest_formula1...

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Notebook ingest_circuits_file

Validate Debug Add trigger

Properties

General Related

Name * pl_ingest_formula1_data

Description

Annotations

New

Parameters Variables Settings Output

+ New Delete

Name	Type	Default value
v_data_source	String	Ergast

This screenshot shows the Microsoft Azure Data Factory authoring interface. On the left, the navigation bar includes Home, Author (selected), Monitor, Manage, and Learning Center. The main workspace displays a pipeline named 'pl_ingest_formula1...'. The 'Activities' pane on the left lists various options like Move & transform, Synapse, Azure Data Explorer, Azure Function, Batch Service, and Databricks, with 'Notebook' selected. A sub-pane for 'Notebook' shows an item named 'ingest_circuits_file'. The central area shows the configuration for this activity, with tabs for Parameters, Variables (selected), Settings, and Output. Under 'Variables', there is a table with one row: 'v_data_source' of type String with a default value of 'Ergast'. The right side features a 'Properties' panel with tabs for General (selected) and Related, showing fields for Name (*pl_ingest_formula1_data) and Description. Annotations and a 'New' button are also present.

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Data Factory > pl_ingest_formula1... ●

Activities <<

Search activities

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> Azure Function

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> Databricks

Notebook

ingest_circuits_file

trash icon | copy icon | checkmark icon | close icon | refresh icon

General Azure Databricks Settings User properties

Notebook path * /Formula1_Import/Formula1-Project-Sol...

+ New | Delete

Name Value

p_data_source Value

Add dynamic content [Alt+Shift+D]

> Append libraries

Validate all Publish all 2

Validate Debug Add trigger

Pipeline expression builder

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

```
@variables('v_data_source')
```

Clear contents

Parameters System variables Functions Variables

Search

v_data_source

OK Cancel

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Notebook

ingest_circuits_file

Validate Debug Add trigger

Properties

General Related

Name * pl_ingest_formula1_data

Description

Annotations

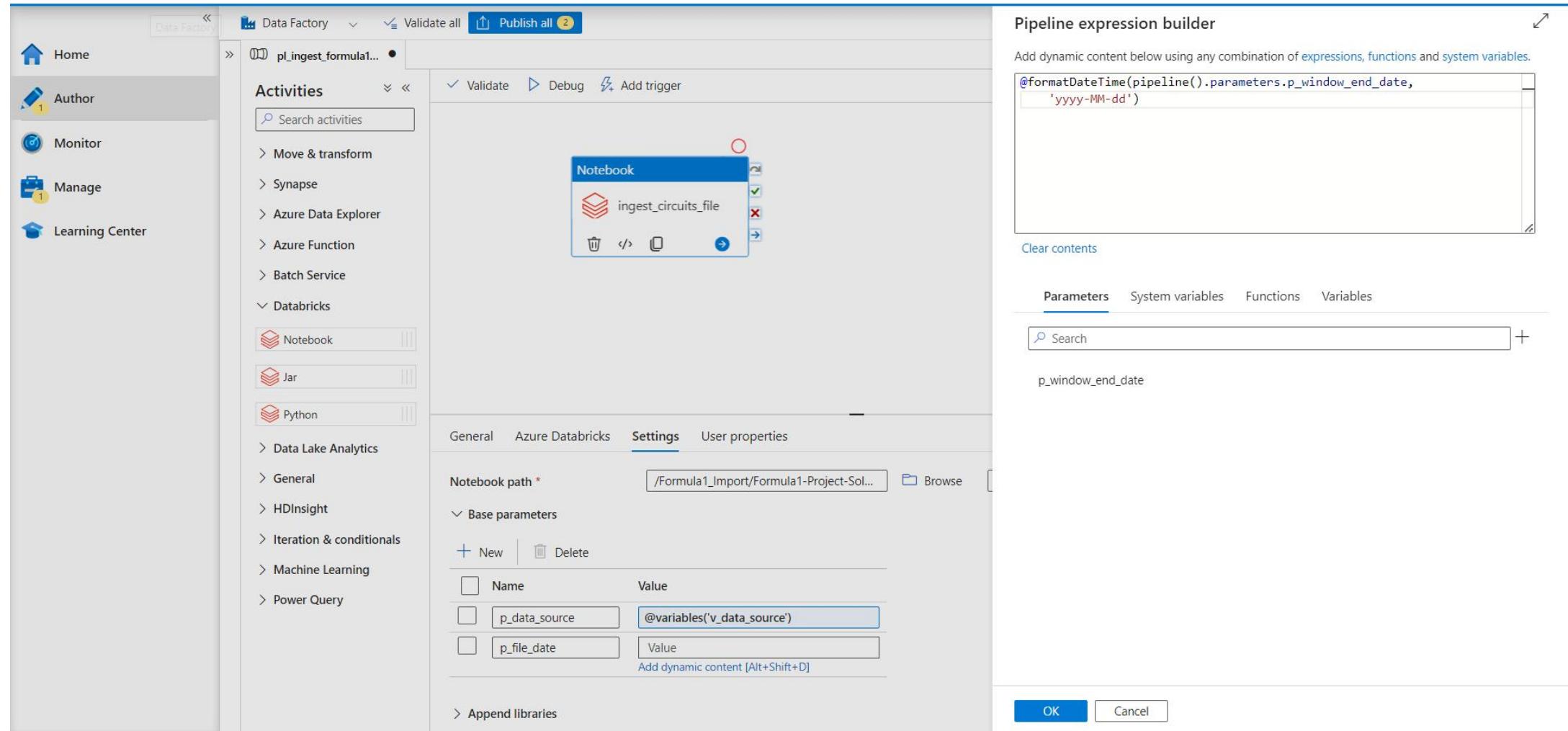
New

Parameters Variables Settings Output

+ New | Delete

Name	Type	Default value
p_window_end_date	String	

This screenshot shows the Azure Data Factory Author interface. On the left, there's a navigation bar with Home, Author, Monitor, Manage, and Learning Center. The main area is titled 'pl_ingest_formula1...' and shows an 'Activities' section. Under 'Databricks', a 'Notebook' activity named 'ingest_circuits_file' is selected. The 'Properties' pane on the right shows the activity's name as 'pl_ingest_formula1_data'. Below the notebook, the 'Parameters' tab is active, displaying a single parameter 'p_window_end_date' of type String with an empty default value. The interface includes standard UI elements like validate, debug, and add trigger buttons at the top.

The screenshot shows the Azure Data Factory pipeline editor. On the left, the navigation bar includes Home, Author (selected), Monitor, Manage, and Learning Center. The main area shows a pipeline named "pl_ingest_formula1...". The "Activities" section lists various options like Move & transform, Synapse, Azure Data Explorer, Azure Function, Batch Service, Databricks (Notebook, Jar, Python), Data Lake Analytics, General, HDInsight, Iteration & conditionals, Machine Learning, and Power Query. A specific "Notebook" activity is selected, showing its configuration details. The "Settings" tab is active, displaying the "Notebook path" as "/Formula1_Import/Formula1-Project-Sol..." and a "Base parameters" section with two entries: "p_data_source" set to "@variables('v_data_source')", and "p_file_date" set to "Value". To the right, the "Pipeline expression builder" pane is open, containing a code editor with the expression "@formatDateTime(pipeline().parameters.p_window_end_date, 'yyyy-MM-dd')". Below the code editor are tabs for Parameters, System variables, Functions, and Variables, and a search bar.

Pipeline expression builder

Add dynamic content below using any combination of [expressions](#), [functions](#) and [system variables](#).

```
@formatDateTime(pipeline().parameters.p_window_end_date, 'yyyy-MM-dd')
```

Clear contents

Parameters System variables Functions Variables

Search

p_window_end_date

OK Cancel

« Data Factory Validate all Publish all 2

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Activities > Move & transform > Synapse > Azure Data Explorer > Azure Function > Batch Service > Databricks > Notebook > Jar > Python > Data Lake Analytics > General > HDInsight > Iteration & conditionals > Machine Learning > Power Query

Validating... Debug Add trigger

Notebook
ingest_circuits_file

General Azure Databricks Settings User properties

Notebook path * /Formula1_Import/Formula1-Project-Sol... Browse

Base parameters

New Delete

Name	Value
p_data_source	@variables('v_data_source')
p_file_date	@formatDateTime(pipeline().parame...

Append libraries

OK Cancel

Pipeline run

Parameters

Name	Type	Value
p_window_end_date	string	2021-03-21

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Collaborate Data Factory Validate all Publish all 2

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pl_ingest_formula1_data

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- Notebook ingest_circuits_file
- Notebook ingest_races_file
- Notebook ingest_constructo...
- Notebook ingest_drivers_file

- Notebook ingest_results_file
- Notebook ingest_pitstops_file
- Notebook ingest_laptimes_file
- Notebook ingest_qualifying...

Add trigger

Properties

General Related

Name * pl_ingest_formula1_data

Description

Annotations

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Parameters Variables Settings Output

Pipeline run ID: 6771c1a1-99cc-4719-929d-2a6b23474100 [@] View debug run consumption

All status Export to CSV

Showing 1 - 1 of 1 items

Activity name	Status	Activity type	Run start	Duration	Log
ingest_circuits_file	Succeeded	Notebook	7/17/2023, 2:26:55 PM	5m 40s	

Pipeline run

Parameters

Name	Type	Value
p_window_end_date	string	2021-03-21

Activities

Search activities

- > Move & transform
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Validating... Debug Add trigger

Notebook ingest_circuits_file Notebook ingest_races_file Notebook ingest_constructo...
Notebook ingest_results_file Notebook ingest_pitstops_file Notebook ingest_laptimes_file

Parameters Variables Settings Output

Pipeline run ID: 6771c1a1-99cc-4719-929d-2a6b23474100 [@] ⏪ ⏴

All status ▾

Showing 1 - 1 of 1 items

Activity name	Status	Activity type	Run start
ingest_circuits_file	Succeeded	Notebook	7/17/2023, 2:26:5

OK Cancel

The screenshot shows the Microsoft Data Factory pipeline editor interface. On the left, the navigation bar includes Home, Author (selected), Monitor, Manage, and Learning Center. The main workspace displays a pipeline named 'pl_ingest_formula1...' with a status of 'Validating...'. The pipeline consists of six activities, all of which have completed successfully ('Succeeded' status). The activities are: 'ingest_circuits_file', 'ingest_races_file', 'ingest_constructo...', 'ingest_results_file', 'ingest_pitstops_file', and 'ingest_laptimes_file'. Below the activities, the 'Output' tab is selected, showing one item in the pipeline run. The pipeline run ID is 6771c1a1-99cc-4719-929d-2a6b23474100. The run started at 7/17/2023, 2:26:5. The status is 'Succeeded'. The activity type is 'Notebook'. The output table has columns: Activity name, Status, Activity type, and Run start. The status column shows a green checkmark icon. The activity type column shows 'Notebook'. The run start column shows the timestamp 7/17/2023, 2:26:5.

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Name * pl_ingest_formula1_data

Description

Annotations

+ New

Activities

Notebook ingest_circuits_file

Notebook ingest_races_file

Notebook ingest_constructors_file

Notebook ingest_drivers_file

Notebook ingest_results_file

Notebook ingest_pitstops_file

Notebook ingest_laptimes_file

Notebook ingest_qualifying_file

Parameters Variables Settings Output

Activity name	Status	Activity type	Run start	Duration	Log
ingest_races_file	Succeeded	Notebook	7/17/2023, 3:02:42 PM	51s	
ingest_results_file	Succeeded	Notebook	7/17/2023, 3:02:42 PM	3m 27s	
ingest_drivers_file	Succeeded	Notebook	7/17/2023, 3:02:42 PM	1m 5s	
ingest_circuits_file	Succeeded	Notebook	7/17/2023, 3:02:42 PM	35s	
ingest_laptimes_file	Succeeded	Notebook	7/17/2023, 3:02:42 PM	2m 3s	
ingest_pitstops_file	Succeeded	Notebook	7/17/2023, 3:02:42 PM	1m 37s	
ingest_qualifying_file	Succeeded	Notebook	7/17/2023, 3:02:42 PM	2m 39s	
ingest_constructors_file	Succeeded	Notebook	7/17/2023, 3:02:42 PM	50s	

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- Notebook
- Jar
- Python

Data Lake Analytics

General

- Append variable
- Delete
- Execute Pipeline
- Execute SSIS package
- Fail
- Get Metadata
- Lookup

pl_ingest_formula1...

Validate Add trigger

Get Metadata

Get folder details

Notebook ingest_circuits_file

Notebook ingest_races_file

Notebook ingest_constructo...

Notebook ingest_drivers_file

Notebook ingest_results_file

Notebook ingest_pitstops_file

Notebook ingest_laptimes_file

Notebook ingest_qualifying...

Properties

General Related

Name * pl_ingest_formula1_data

Description

Annotations New

General Settings User properties

Name * Get folder details

Description

Activity state (preview) Active

Timeout 0:12:00:00

Retry 0

Retry interval (sec) 30

Secure output

```
graph LR; subgraph Pipeline [pl_ingest_formula1...]; direction LR; A[Get Metadata: Get folder details] --> B[Notebook: ingest_circuits_file]; B --> C[Notebook: ingest_races_file]; C --> D[Notebook: ingest_constructo...]; D --> E[Notebook: ingest_drivers_file]; E --> F[Notebook: ingest_results_file]; F --> G[Notebook: ingest_pitstops_file]; G --> H[Notebook: ingest_laptimes_file]; H --> I[Notebook: ingest_qualifying...]; end; Pipeline --- General[General]; Pipeline --- Settings[Settings]; Pipeline --- UserProperties[User properties]
```

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pl_ingest_formula1...

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> Data Lake Analytics

> General

- Append variable
- Delete
- Execute Pipeline
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- Get Metadata
- Lookup

Get Metadata

Get folder details

Notebook ingest_circuits_file

Notebook ingest_races_file

Notebook ingest_results_file

Notebook ingest_pitstops_file

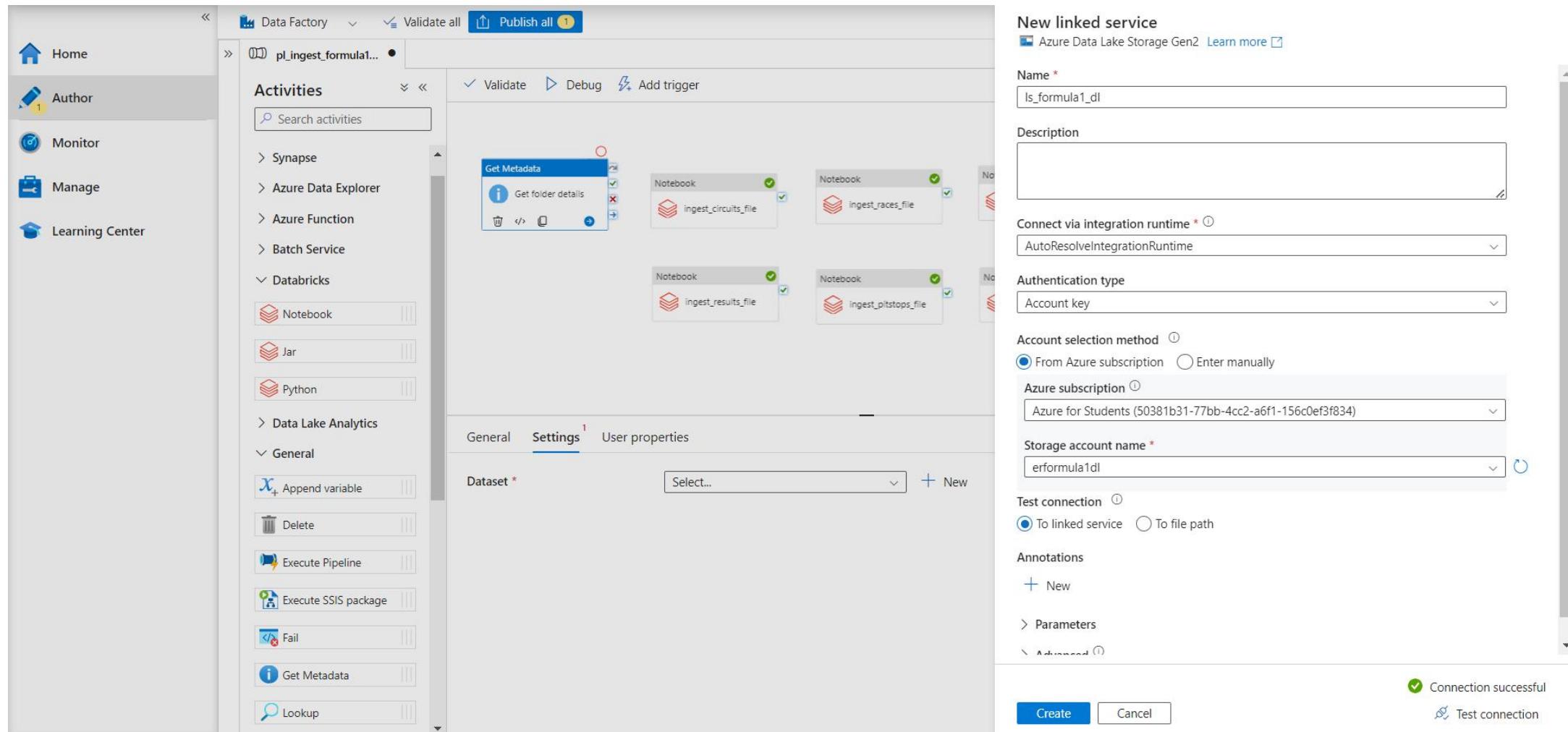
Validate Settings User properties

Name ds_formula1_raw

Linked service * Select...

OK Back Cancel

The screenshot shows the Azure Data Factory Author interface. A pipeline named 'pl_ingest_formula1...' is being edited. The pipeline consists of a 'Get Metadata' activity followed by four 'Notebook' activities: 'ingest_circuits_file', 'ingest_races_file', 'ingest_results_file', and 'ingest_pitstops_file'. The 'Settings' tab is currently selected. On the right, a 'Set properties' dialog is open, allowing the user to define the dataset name as 'ds_formula1_raw' and select a linked service.

The screenshot shows the Azure Data Factory Author interface. On the left, the navigation bar includes Home, Author (selected), Monitor, Manage, and Learning Center. The main workspace displays a pipeline named 'pl_ingest_formula1...'. The pipeline activities include a 'Get Metadata' activity followed by four 'Notebook' activities: 'ingest_circuits_file', 'ingest_races_file', 'ingest_results_file', and 'ingest_pitstops_file'. Below the pipeline, there are tabs for General, Settings (selected), and User properties. In the Settings tab, there is a 'Dataset *' dropdown set to 'Select...', a '+ New' button, and a 'General' section. To the right, a 'New linked service' dialog is open for 'Azure Data Lake Storage Gen2'. The dialog fields are: Name * (ls_formula1_dl), Description (empty), Connect via integration runtime * (AutoResolveIntegrationRuntime), Authentication type (Account key), Account selection method (From Azure subscription selected), Azure subscription (Azure for Students (50381b31-77bb-4cc2-a6f1-156c0ef3f834)), Storage account name * (erformula1dl), Test connection (radio button selected for 'To linked service'), Annotations (+ New), Parameters, and Advanced. At the bottom are 'Create' and 'Cancel' buttons. A success message 'Connection successful' with a green checkmark is visible.

New linked service

Azure Data Lake Storage Gen2 [Learn more](#)

Name *

ls_formula1_dl

Description

Connect via integration runtime * [①](#)

AutoResolveIntegrationRuntime

Authentication type

Account key

Account selection method [①](#)

From Azure subscription Enter manually

Azure subscription [①](#)

Azure for Students (50381b31-77bb-4cc2-a6f1-156c0ef3f834)

Storage account name * [①](#)

erformula1dl

Test connection [①](#)

To linked service To file path

Annotations

+ New

Parameters

Advanced [①](#)

✓ Connection successful

🔗 Test connection

Create Cancel

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pl_ingest_formula1... Activities

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General

- Append variable
- Delete
- Execute Pipeline
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- Get Metadata
- Lookup

Get Metadata Get folder details Notebook ingest_circuits_file Notebook ingest_races_file Notebook ingest_results_file Notebook ingest_pitstops_file

General Settings 1 User properties

Dataset * Select... + New

Set properties

Name ds_formula1_raw

Linked service * ls_formula1_dl

File path raw / Directory / File name

Import schema

From connection/store From sample file None

Advanced Open this dataset for more advanced configuration with parameterization.

OK Back Cancel

The screenshot shows the Microsoft Azure Data Factory Author interface. On the left, there's a navigation bar with links for Home, Author (which is selected), Monitor, Manage, and Learning Center. Below that is a toolbar with icons for Data Factory, Validate all, Publish all (with a yellow notification badge), and other pipeline management options. The main workspace is titled 'pl_ingest_formula1...' and shows a list of activities under the 'Activities' tab. One activity, 'Get Metadata', is currently selected. To the right of the activities, a 'Set properties' panel is open, allowing configuration of the dataset. The 'Name' field is set to 'ds_formula1_raw'. The 'Linked service' dropdown is set to 'ls_formula1_dl'. The 'File path' section shows 'raw' as the root directory. Under 'Import schema', the 'From connection/store' option is selected. A note at the bottom of the panel says 'Open this dataset for more advanced configuration with parameterization.' At the bottom right of the interface are 'OK', 'Back', and 'Cancel' buttons.

« Data Factory Validate all Publish all

Preview experience: Off

Home Author (2) Monitor Manage Learning Center

» pl_ingest_formula1... ds_formula1_raw

Properties

General Related (1)

Name * ds_formula1_raw

Description

Annotations

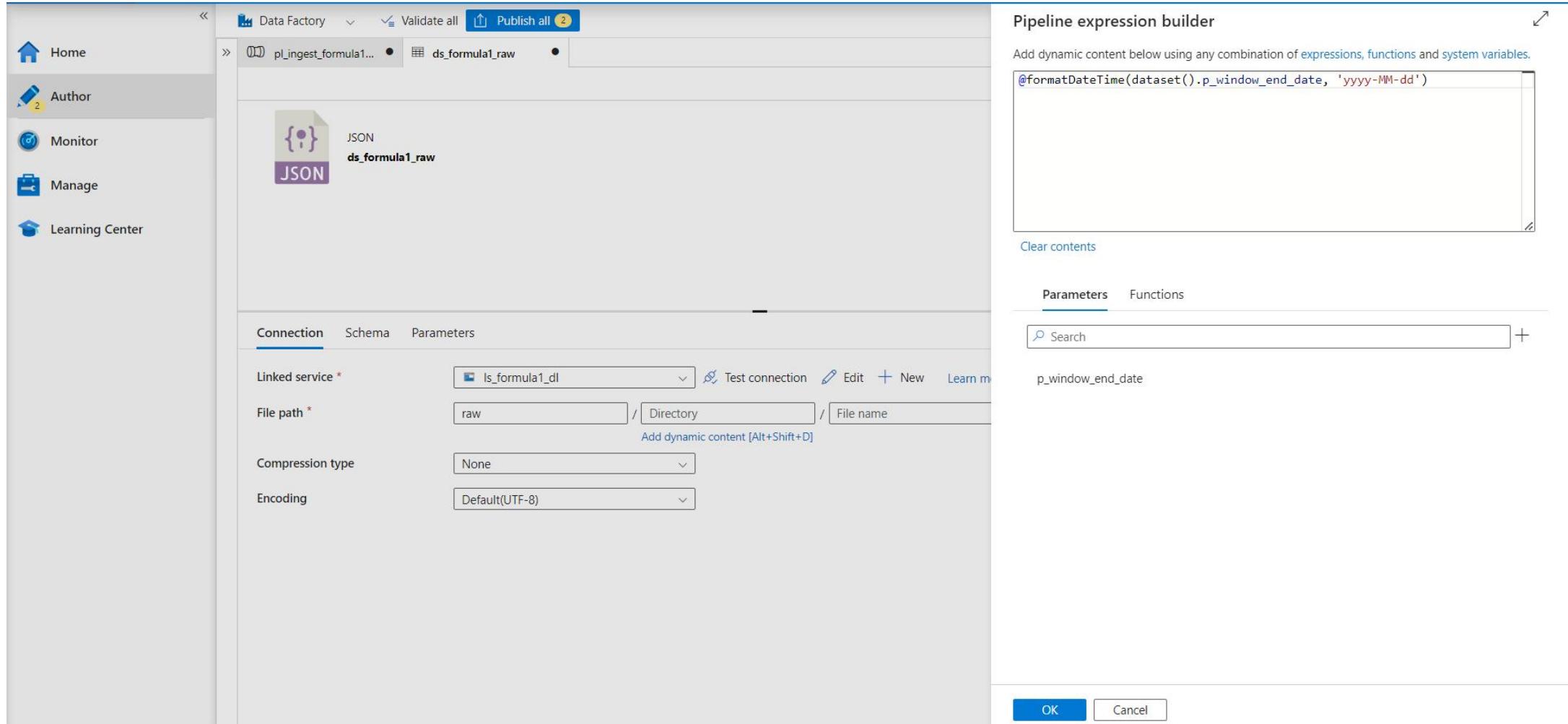
JSON

ds_formula1_raw

Connection Schema **Parameters**

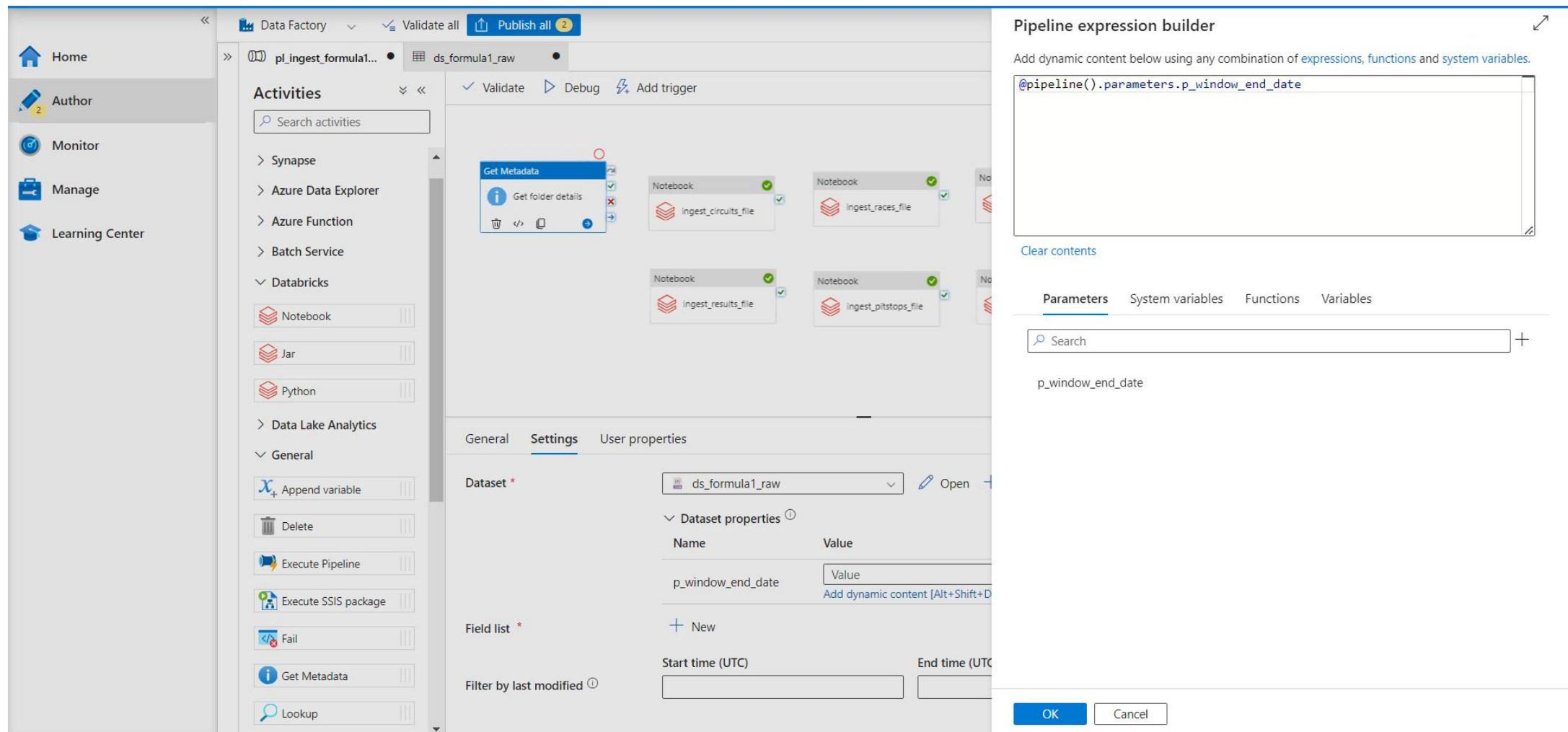
+ New Delete

Name	Type	Default value
p_window_end_date	String	Value

The screenshot shows the Azure Data Factory pipeline editor. On the left, the navigation bar includes Home, Author (selected), Monitor, Manage, and Learning Center. The main workspace displays a pipeline named 'pl_ingest_formula1...' with a single stage 'ds_formula1_raw'. The stage is configured as a JSON dataset with the following parameters:

Parameter	Value
Linked service *	ls_formula1_dl
File path *	raw
Compression type	None
Encoding	Default(UTF-8)

The right side of the screen is the "Pipeline expression builder" pane, which allows adding dynamic content using expressions, functions, and system variables. A sample expression is shown: `@formatDateTime(dataset().p_window_end_date, 'yyyy-MM-dd')`. Below the builder are tabs for "Parameters" (selected) and "Functions", a search bar, and buttons for OK and Cancel.

The screenshot shows the Azure Data Factory pipeline editor. On the left, the navigation bar includes Home, Author (selected), Monitor, Manage, and Learning Center. The main workspace displays a pipeline named 'pl_ingest_formula1...' with a dataset 'ds_formula1_raw'. The 'Activities' pane lists various options like Synapse, Azure Data Explorer, Azure Function, Batch Service, Databricks (Notebook, Jar, Python), Data Lake Analytics, and General (Append variable, Delete, Execute Pipeline, Execute SSIS package, Fail, Get Metadata, Lookup). A 'Get Metadata' activity is selected. The 'Settings' tab is active for the dataset, showing 'Dataset *' set to 'ds_formula1_raw'. Under 'Dataset properties', there is a table with one row: 'p_window_end_date' with a value of 'Value' and a note 'Add dynamic content [Alt+Shift+D]'. The 'Field list' section is empty. The 'OK' button is visible at the bottom right of the dialog.

Pipeline expression builder

Add dynamic content below using any combination of [expressions](#), [functions](#) and [system variables](#).

```
@pipeline().parameters.p_window_end_date
```

Clear contents

Parameters System variables Functions Variables

Search

p_window_end_date

OK Cancel

Collapsing a Factory

Validate all

Publish all (2)

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- Append variable
- Delete
- Execute Pipeline
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- Fail
- Get Metadata
- Lookup

Get Metadata

Get folder details

Notebook

- ingest_circuits_file
- ingest_races_file
- ingest_constructo...
- ingest_drivers_file
- ingest_results_file
- ingest_pitstops_file
- ingest_laptimes_file
- ingest_qualifying...

Properties

General Related

Name * pl_ingest_formula1_data

Description

Annotations

New

General Settings User properties

Dataset * ds_formula1_raw

Open New Learn more

Dataset properties

Name	Value	Type
p_window_end_date	@pipeline().parameters.p_window_en...	string

Field list *

New Delete

Argument

Exists

Start time (UTC)

End time (UTC)

Filter by last modified

This screenshot shows the Azure Data Factory pipeline editor interface. On the left, there's a navigation bar with links like Home, Author, Monitor, Manage, and Learning Center. Below that is a sidebar with sections for Activities (Synapse, Azure Data Explorer, Azure Function, Batch Service) and Databricks (Notebook, Jar, Python). Under General, there are actions like Append variable, Delete, Execute Pipeline, Execute SSIS package, Fail, Get Metadata, and Lookup. The main workspace shows a pipeline named 'pl_ingest_formula1...' with a dataset 'ds_formula1_raw'. The dataset is configured with a 'General' tab selected, showing a dropdown for 'ds_formula1_raw' and a 'Dataset properties' table with one entry: 'p_window_end_date' set to '@pipeline().parameters.p_window_en...'. The 'Settings' tab is also visible. On the right, the 'Properties' panel is open, showing the 'General' tab with fields for 'Name' (set to 'pl_ingest_formula1_data') and 'Description'. The 'Annotations' section has a '+ New' button. At the top, there are buttons for 'Collapse', 'Validate all', 'Publish all (2)', and 'Preview experience Off'. There are also standard UI elements like search bars and tabs.

Home

Author

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Learning Center

Data Factory

Validate all

Publish all

Preview experience Off

pl_ingest_formula1... ds_formula1_raw

Activities

Search activities

Stored procedure

Script

(x) Set variable

Validation

Web

WebHook

Wait

HDInsight

Iteration & conditionals

Filter

ForEach

If Condition

Switch

Until

Machine Learning

Power Query

If Condition

If folder exists

True: No activities

False: No activities

Notebook

ingest_circuits_file

Notebook

ingest_races_file

Notebook

ingest_constructo...

Notebook

ingest_results_file

Notebook

ingest_pitstops_file

Notebook

ingest_laptimes_file

Properties

General Related

Name * pl_ingest_formula1_data

Description

Annotations + New

General Activities (0) User properties

Name * If folder exists

Description

Activity state (preview) Active Inactive

```
graph LR; Start(( )) --> If[If Condition: If folder exists]; If -- True --> Circuits[Notebook: ingest_circuits_file]; If -- True --> Races[Notebook: ingest_races_file]; If -- True --> Constructors[Notebook: ingest_constructo...]; If -- False --> Results[Notebook: ingest_results_file]; If -- False --> Pitstops[Notebook: ingest_pitstops_file]; If -- False --> Laptimes[Notebook: ingest_laptimes_file];
```

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Data Factory < Validate all Publish all 2

pl_ingest_formula1... ● ds_formula1_raw ●

Activities < Validate Debug Add trigger

Search activities

- Stored procedure
- Script
- (x) Set variable
- Validation
- Web
- WebHook
- Wait
- HDInsight
- Iteration & conditionals
 - Filter
 - ForEach
 - If Condition
 - Switch
 - Until
- Machine Learning
- Power Query

If Condition

```

graph LR
    A[Get Metadata] --> B{If Condition}
    B -- True --> C[No activities]
    B -- False --> D[No activities]
    
```

Notebook

ingest_circuits_file

Notebook

ingest_results_file

General Activities (0) User properties

Expression * ⓘ This property should be parameterized.

Add dynamic content [Alt+Shift+D]

Case	Activity
True	No activities
False	No activities

Pipeline expression builder

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

```
@activity('Get folder details').output.exists
```

Clear contents

Activity outputs Parameters System variables Functions Variables

Search

Get folder details
Get folder details activity output

Get folder details
Get folder details pipeline return value

Get folder details childItems
List of subfolders and files in the given folder

Get folder details exists
Whether a file, folder, or table exists

Get folder details itemName
Name of the file or folder

Get folder details itemType
Type of the file or folder. Returned value is File or Folder

Get folder details lastModified
Last modified datetime of the file or folder

OK Cancel

Cloud Data Factory

Validate all

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Preview experience Off

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Activities

Search activities

Stored procedure

Script

(X) Set variable

Validation

Web

WebHook

Wait

HDInsight

Iteration & conditionals

- Filter
- ForEach
- If Condition
- Switch
- Until

Machine Learning

Power Query

pl_ingest_formula1_data > If folder exists > True activities

Notebook: ingest_circuits_file

Notebook: ingest_races_file

Notebook: ingest_constructors_file

Notebook: ingest_drivers_file

Notebook: ingest_pitstops_file

Notebook: ingest_laptimes_file

Notebook: ingest_results_file

Notebook: ingest_qualifying_file

Properties

General Related

Name * pl_ingest_formula1_data

Description

Annotations

New

```
graph TD; subgraph Pipeline [pl_ingest_formula1_data]; direction TB; If[If folder exists > True] --> Notebooks[Notebook: ingest_circuits_file]; If --> Notebooks[Notebook: ingest_races_file]; If --> Notebooks[Notebook: ingest_constructors_file]; If --> Notebooks[Notebook: ingest_drivers_file]; If --> Notebooks[Notebook: ingest_pitstops_file]; If --> Notebooks[Notebook: ingest_laptimes_file]; If --> Notebooks[Notebook: ingest_results_file]; If --> Notebooks[Notebook: ingest_qualifying_file]; end;
```

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Data Factory

Validate all

Publish all

pl_ingest_formula1... ● ds_formula1_raw ●

Activities

Search activities

Stored procedure

Script

(x) Set variable

Validation

Web

WebHook

Wait

> HDInsight

Iteration & conditionals

Filter

ForEach

If Condition

Switch

Until

> Machine Learning

> Power Query

Validating... Debug Add trigger

Get Metadata

i Get folder details

If Condition

If folder exists

True

8 activities

ingest_circ
uits_file

...

False

+

General Activities (8) User properties

Name * If folder exists Learn more

OK Cancel

Pipeline run

Parameters

Name	Type	Value
p_window_end_date	string	2021-03-21

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Data Factory

Validate all

Publish all

Preview experience

If Condition

Get Metadata

Get folder details

If folder exists

True

8 activities

ingest_circuits_file

...

False

Properties

General

Related

Name *

pl_ingest_formula1_data

Description

Annotations

New

Parameters

Variables

Settings

Output

ingest_pitstops_file	Succeeded	Notebook	7/17/2023, 3:24:48 PM	1m 36s	
ingest_races_file	Succeeded	Notebook	7/17/2023, 3:24:48 PM	51s	
ingest_circuits_file	Succeeded	Notebook	7/17/2023, 3:24:48 PM	51s	
ingest_results_file	Succeeded	Notebook	7/17/2023, 3:24:48 PM	3m 41s	
ingest_constructors_file	Succeeded	Notebook	7/17/2023, 3:24:48 PM	35s	
ingest_drivers_file	Succeeded	Notebook	7/17/2023, 3:24:48 PM	36s	
ingest_laptimes_file	Succeeded	Notebook	7/17/2023, 3:24:48 PM	2m 55s	
If folder exists	Succeeded	If Condition	7/17/2023, 3:24:48 PM	3m 44s	
Get folder details	Succeeded	Get Metadata	7/17/2023, 3:24:44 PM	3s	

processed Container

Search ...

Upload Add Directory Refresh Rename Delete Change tier Acquire lease Break lease Give feedback

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

Location: processed

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

Name	Modified	Access tier	Archive status	Blob type	Size	Lease state
<input type="checkbox"/> circuits					-	---
<input type="checkbox"/> constructors					-	---
<input type="checkbox"/> drivers					-	---
<input type="checkbox"/> lap_times					-	---
<input type="checkbox"/> pit_stops					-	---
<input type="checkbox"/> qualifying					-	---
<input type="checkbox"/> races					-	---
<input type="checkbox"/> results					-	---

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Validate all

Publish all 1

Factory Resources

Filter resources by name

Pipelines

- pl_ingest_formula1_data
- pl_transform_formula1_data

Change Data Capture (preview) 0

Datasets

- ds_formula1_raw

Data flows 0

Power Query 0

Activities

Search activities

- Move & transform
- Synapse
- Azure Data Explorer
- Azure Function
- Batch Service
- Databricks
- Data Lake Analytics
- General
- HDInsight
- Iteration & conditionals
- Machine Learning
- Power Query

Get Metadata

Get folder details

Properties

General Related

Name * pl_transform_formula1_data

Description

Annotations

New

Get Metadata

Get folder details

Activity state (preview)

Active Inactive

Timeout 0.12:00:00

Retry 0

Retry interval (sec) 30

Encourage output

Preview experience Off

... { } ...

General Settings User properties

Name * Get folder details

Description

Activity state (preview)

Active Inactive

Timeout 0.12:00:00

Retry 0

Retry interval (sec) 30

Encourage output

Home < Data Factory < Validate all Publish all 1

Preview experience Off

Author

Factory Resources <<

Filter resources by name

Pipelines 2

- pl_ingest_formula1_data
- pl_transform_formula1_data

Change Data Capture (preview) 0

Datasets 1

- ds_formula1_raw

Data flows 0

Power Query 0

Activities <<

Search activities

- > Move & transform
- > Synapse
- > Azure Data Explorer
- > Azure Function
- > Batch Service
- > Databricks
- > Data Lake Analytics
- > General
- > HDInsight
- > Iteration & conditionals
- > Machine Learning
- > Power Query

ds_formula1_raw

pl_transform_formula1_data

If folder exists > True activities

Notebook

- transform_raceres...

Properties

General Related

Name * pl_transform_formula1_data

Description

Annotations + New

General Azure Databricks Settings User properties

Name * transform_raceresults_file Learn more

Description

Activity state (preview) Active Inactive

Timeout 0:12:00:00

Retry 0

Retry interval (sec) 30

Secure output

The screenshot shows the Azure Data Factory pipeline editor interface. On the left, the navigation bar includes Home, Author (selected), Monitor, Manage, and Learning Center. The main workspace displays the 'Factory Resources' section under 'Data Factory'. A pipeline named 'pl_transform_formula1_data' is selected. The pipeline has two activities: 'pl_ingest_formula1_data' (Move & transform) and 'pl_transform_formula1_data' (If folder exists > True activities). The second activity is a 'Notebook' activity, which is expanded to show its contents: 'transform_raceres...'. The 'Properties' pane on the right shows the general settings for the pipeline, including the name 'pl_transform_formula1_data', an empty description field, and annotations. The pipeline is currently active.

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Data Factory

Validate all

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Factory Resources

Filter resources by name

Pipelines

- pl_ingest_formula1_data
- pl_transform_formula1_data

Change Data Capture (preview)

Datasets

- ds_formula1_raw

Data flows

Power Query

Activities

Search activities

- Move & transform
- Synapse
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- Azure Function
- Batch Service
- Databricks
- Data Lake Analytics
- General
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- Iteration & conditionals
- Machine Learning
- Power Query

ds_formula1_raw

pl_transform_formula1_data

If folder exists >

Notebook

transform.

0.create_presentation_database

1.race_results

2.driver_standings

3.constructor_standings

4.calculated_race_results

Browse

Select a file or folder.

... > Formula1_Import > Formula1-Project-Solutions > Section-22 > trans

General Azure Databricks Settings User p...

Notebook path * /Formula1_Import/trans

Browse

Base parameters

Append libraries

OK Cancel

Showing 1 - 5 of 5 items

The screenshot shows the Azure Data Factory Author interface. On the left, the navigation bar includes Home, Author (selected), Monitor, Manage, and Learning Center. The main area displays 'Factory Resources' with sections for Pipelines, Activities, Datasets, Data flows, and Power Query. A specific pipeline named 'pl_transform_formula1_data' is selected. In the Activities section, a 'Notebook' activity is being configured, pointing to a notebook at the path '/Formula1_Import/trans'. The 'Settings' tab is active, showing the notebook path and a 'Browse' button. A file browser dialog is overlaid on the right, showing a list of files under the path '... > Formula1_Import > Formula1-Project-Solutions > Section-22 > trans'. The files listed are 0.create_presentation_database, 1.race_results, 2.driver_standings, 3.constructor_standings, and 4.calculated_race_results. At the bottom of the dialog, it says 'Showing 1 - 5 of 5 items' and has OK and Cancel buttons.

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Collapsible sidebar

Validate all

Publish all

Preview experience

Off

Factory Resources

Activities

Pipelines

ds_formula1_raw

pl_transform_form...

pl_ingest_formula1...

Filter resources by name

Search activities

Validate

Debug

Add trigger

pl_transform_formula1_data > If folder exists > True activities

Notebook

transform_raceres...

General

Related

Name *

pl_transform_formula1_data

Description

Annotations

New

General Azure Databricks Settings User properties

Notebook path * /Formula1_Import/Formula1-Project-Sol...

Open

Browse

Base parameters

New Delete

Name Value

p_data_source @variables('v_data_source')

p_file_date @formatDateTime(pipeline().parame...

Append libraries

This screenshot shows the Azure Data Factory authoring interface. On the left, there's a navigation bar with icons for Home, Author (selected), Monitor, Manage, and Learning Center. Below the navigation is a collapsible sidebar with buttons for Collapse, Validate all, Publish all (with a count of 1), and Preview experience (set to Off). The main workspace is titled 'Factory Resources' and contains a 'Activities' section with various options like Move & transform, Synapse, Azure Data Explorer, etc. A specific pipeline named 'pl_transform_formula1_data' is selected. The pipeline configuration pane on the right shows a 'Notebook' section containing a single item: 'transform_raceres...'. The 'Properties' pane on the far right displays the pipeline's name ('pl_transform_formula1_data'), description (empty), and annotations (empty). The 'General' tab is selected in the properties pane. At the bottom of the pipeline configuration, there are tabs for General, Azure Databricks, Settings, and User properties, with the Notebook path set to '/Formula1_Import/Formula1-Project-Sol...'. The 'Base parameters' section shows two entries: 'p_data_source' with value '@variables('v_data_source')' and 'p_file_date' with value '@formatDateTime(pipeline().parame...'. There's also a 'Append libraries' section at the bottom.

Collaborate Data Factory <> Validate all Publish all 1 Preview experience Off

Home Author Monitor Manage Learning Center

Factory Resources <>

Pipelines 2

- pl_ingest_formula1_data
- pl_transform_formula1_data

Change Data Capture (preview) 0

Datasets 1

- ds_formula1_raw

Data flows 0

Power Query 0

Activities <>

Search activities

- pl_ingest_formula1_data > If folder exists > True activities
- pl_transform_formula1_data > If folder exists > True activities

Notebook transform_raceres...

Notebook transform_driverstandings_file

Properties General Related

Name * pl_transform_formula1_data

Description

Annotations + New

General Azure Databricks Settings User properties

Name * transform_driverstandings_file Learn more

Description

Activity state (preview) Active Inactive

Timeout 0:12:00:00

Retry 0

Retry interval (sec) 30

Secure output

This screenshot shows the Microsoft Power BI Data Factory interface. On the left, there's a navigation bar with Home, Author, Monitor, Manage, and Learning Center. The Author section is selected. The main area displays 'Factory Resources' with sections for Pipelines, Datasets, and Activities. Under Pipelines, there are two entries: 'pl_ingest_formula1_data' and 'pl_transform_formula1_data'. The 'Activities' section lists various options like Move & transform, Synapse, Azure Data Explorer, etc. Two specific activities are highlighted: 'pl_ingest_formula1_data > If folder exists > True activities' and 'pl_transform_formula1_data > If folder exists > True activities'. These activities are represented by 'Notebook' components. On the right, the 'Properties' pane is open for the 'pl_transform_formula1_data' activity. It shows the 'General' tab with fields for 'Name' (set to 'transform_driverstandings_file') and 'Description'. Below this, under 'Activity state (preview)', 'Active' is selected. Other settings include 'Timeout' (0:12:00:00), 'Retry' (0), 'Retry interval (sec)' (30), and a checked 'Secure output' checkbox.

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Data Factory

Validate all

Publish all

pl_ingest_formula1... ds_formula1_raw pl_transform_form...

Activities

Search activities

Move & transform

Synapse

Azure Data Explorer

Azure Function

Batch Service

Databricks

Data Lake Analytics

General

HDInsight

Iteration & conditionals

Machine Learning

Power Query

✓ Validate ▶ Debug ⚡ Add trigger

pl_transform_formula1_data > If folder exists > True activities

Notebook

transform_raceres...

Notebook

transform_driverst...

General Azure Databricks **Settings** User properties

Notebook path * /Formula1_Import/Formula1-Project-Sol... Browse

Base parameters

Append libraries

Browse

Select a file or folder.

... > Formula1_Import > Formula1-Project-Solutions > Section-22 > trans

0.create_presentation_database

1.race_results

2.driver_standings

3.constructor_standings

4.calculated_race_results

Showing 1 - 5 of 5 items

OK Cancel

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Activities

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pl_ingest_formula1...

ds_formula1_raw

pl_transform_form...

✓ Validate ▶ Debug ⚡ Add trigger

pl_transform_formula1_data > ⚡ If folder exists > True activities

Notebook

transform_driverst...

Notebook

transform_raceres...

Notebook

transform_constructorstandings_file

General Azure Databricks Settings User properties

Name * transform_constructorstandings_file

Description

Activity state (preview) Active Inactive

Timeout 0:12:00:00

Retry 0

Retry interval (sec) 30

Secure output

Properties

General Related

Name * pl_transform_formula1_data

Description

Annotations

New

```
graph TD; subgraph Pipeline [ ]; direction LR; A[pl_ingest_formula1...]; B[ds_formula1_raw]; C[pl_transform_form...]; end; A --> B; B --> C;
```

```
graph TD; subgraph Transform [ ]; direction TB; D[transform_driverst...]; E[transform_raceres...]; F[transform_constructorstandings_file]; end;
```

```
graph LR; A[transform_driverst...] --> B[transform_raceres...]; B --> C[transform_constructorstandings_file];
```

Home

Author

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Data Factory < Validate all Publish all 1

Activities <>

Search activities

> Move & transform

> Synapse

> Azure Data Explorer

> Azure Function

> Batch Service

> Databricks

> Data Lake Analytics

> General

> HDInsight

> Iteration & conditionals

> Machine Learning

> Power Query

pl_ingest_formula1... ds_formula1_raw pl_transform_form...

✓ Validate ▶ Debug ⚡ Add trigger

pl_transform_formula1_data > If folder exists > True activities

Notebook transform_driverst...

Notebook transform_raceres...

Notebook transform_constru...

General Azure Databricks Settings User properties

Notebook path * /Formula1_Import/Formula1-Project-Sol... Browse

> Base parameters

> Append libraries

Browse

Select a file or folder.

... > Formula1_Import > Formula1-Project-Solutions > Section-22 > trans

0.create_presentation_database

1.race_results

2.driver_standings

3.constructor_standings

4.calculated_race_results

Showing 1 - 5 of 5 items

OK Cancel

The screenshot shows the Azure Data Factory Author interface. On the left, there's a navigation bar with Home, Author (selected), Monitor, Manage, and Learning Center. The main area shows a pipeline named 'ds_formula1_raw' with three activities: 'pl_ingest_formula1...', 'pl_transform_form...', and 'ds_formula1_raw'. The 'pl_transform_form...' activity has a condition 'If folder exists > True activities' with three branches: 'transform_driverst...', 'transform_raceres...', and 'transform_constru...'. The 'Settings' tab is selected for the 'transform_driverst...' branch, showing a 'Notebook path' of '/Formula1_Import/Formula1-Project-Solutions/Section-22/trans'. A 'Browse' dialog is open on the right, displaying a list of notebooks under 'Formula1_Import/Formula1-Project-Solutions/Section-22/trans'. The dialog shows 5 items: 0.create_presentation_database, 1.race_results, 2.driver_standings, 3.constructor_standings, and 4.calculated_race_results. The 'transform_driverst...' notebook is currently selected. At the bottom of the dialog are 'OK' and 'Cancel' buttons.

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Data Factory

Validate all

Publish all 1

Preview experience Off

Activities

Search activities

Move & transform

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Azure Data Explorer

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Power Query

pl_ingest_formula1... ds_formula1_raw pl_transform_form...

✓ Validate ▶ Debug ⚡ Add trigger

pl_transform_formula1_data > If folder exists > True activities

Notebook transform_raceresults_file

Notebook transform_driverstats

Notebook transform_calc_rac...

Properties

General Related

Name * pl_transform_formula1_data

Description

Annotations

New

General Azure Databricks Settings User properties

Name * transform_calc_raceresults_file Learn more

Description

Activity state (preview) Active Inactive

Timeout 0.12:00:00

Retry 0

Max concurrent tasks 20

```
graph TD; subgraph "pl_transform_formula1_data"; direction TB; A[If folder exists > True activities]; A --> B["transform_driverstats"]; A --> C["transform_raceresults_file"]; A --> D["transform_calc_rac..."]; end;
```

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Validate all

Publish all

pl_ingest_formula1... ds_formula1_raw pl_transform_form...

Activities

Search activities

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Power Query

If folder exists > True activities

Notebook

transform_raceres...

Notebook

transform_driverst...

Notebook

transform_calc_ra...

General Azure Databricks Settings User properties

Notebook path * /Formula1_Import/Formula1-Project-Sol...

Base parameters

Append libraries

Browse

Select a file or folder.

... > Formula1_Import > Formula1-Project-Solutions > Section-22 > trans

0.create_presentation_database

1.race_results

2.driver_standings

3.constructor_standings

4.calculated_race_results

Showing 1 - 5 of 5 items

OK Cancel

```
graph TD; If[If folder exists > True activities] --> Raceres[transform_raceres...]; If --> Driverst[transform_driverst...]; If --> Calc[transform_calc_ra...]
```

Home < Data Factory < Validate all Publish all 2 Preview experience Off

Author 2 Monitor Manage Learning Center

Factory Resources

Filter resources by name +

- Pipelines** 3
 - pl_process_formula1_data
 - pl_ingest_formula1_data
 - pl_transform_formula1_data
- Change Data Capture (preview) 0
- Datasets** 1
 - ds_formula1_raw
- Data flows 0
- Power Query 0

Activities

Validate Debug Add trigger

- Move & transform
- Synapse
- Azure Data Explorer
- Azure Function
- Batch Service
- Databricks
- Data Lake Analytics
- General
- HDInsight
- Iteration & conditionals
- Machine Learning
- Power Query

Properties

General Related

Name * pl_process_formula1_data

Description

Annotations

+ New

Parameters Variables Settings Output

+ New | Delete

Name	Type	Default value
p_window_end_date	String	Value

Collaps Data Factory Validate all Publish all 2

Preview experience Off

Home Author Monitor Manage Learning Center

Factory Resources < <

Filter resources by name +

Pipelines 3

- pl_process_formula1_data
- pl_ingest_formula1_data
- pl_transform_formula1_data

Change Data Capture (preview) 0

Datasets 1

- ds_formula1_raw

Data flows 0

Power Query 0

Activities < <

Validate Debug Add trigger

Search activities

- > Move & transform
- > Synapse
- > Azure Data Explorer
- > Azure Function
- > Batch Service
- > Databricks
- > Data Lake Analytics
- > General
- > HDInsight
- > Iteration & conditionals
- > Machine Learning
- > Power Query

Properties

General Related

Name * pl_process_formula1_data

Description

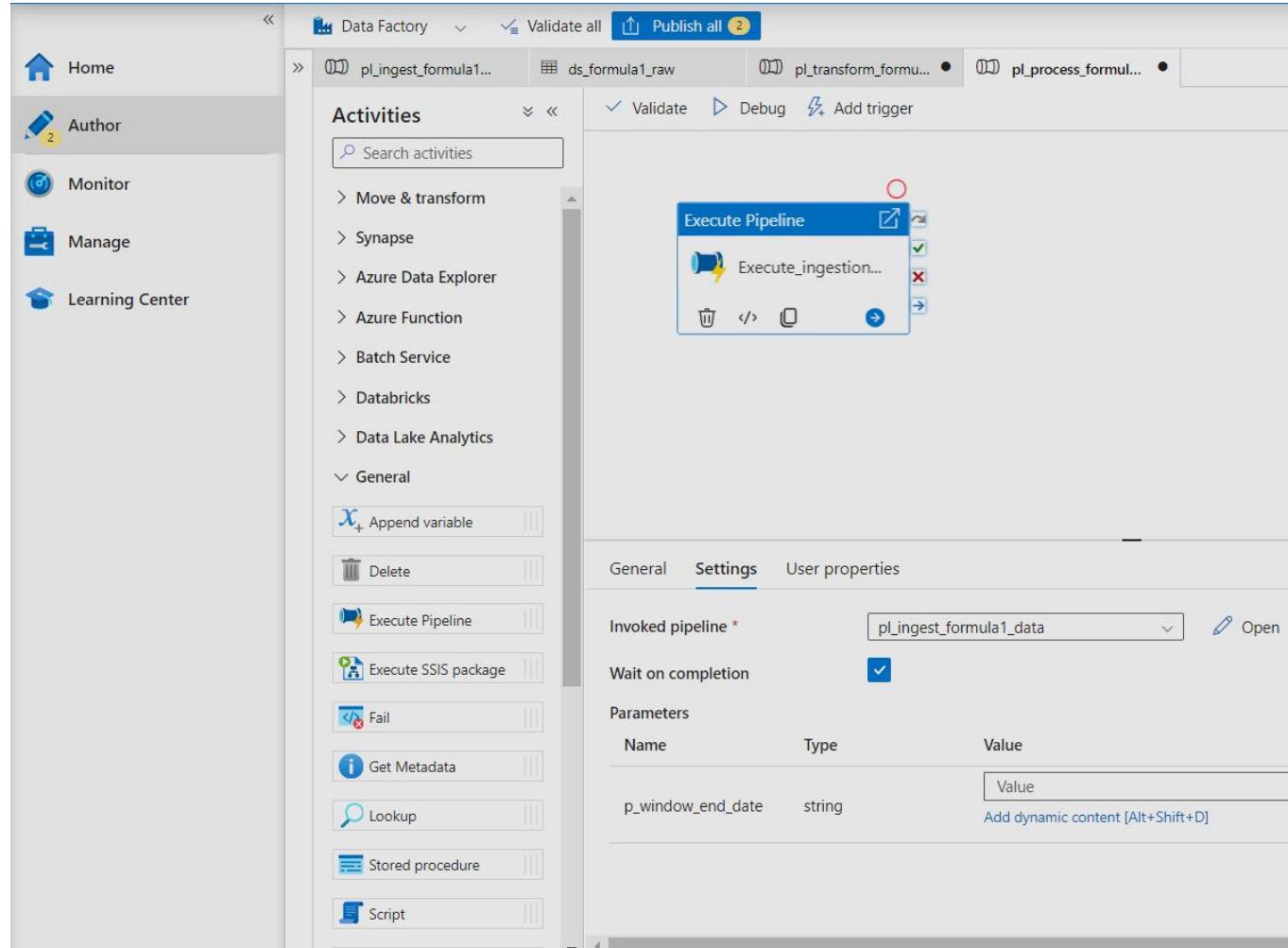
Annotations + New

Parameters Variables Settings Output

Concurrency 1

Elapsed time metric 0.00:10:00

This screenshot shows the Microsoft Data Factory authoring interface. The left sidebar includes links for Home, Author (selected), Monitor, Manage, and Learning Center. The main area displays 'Factory Resources' with sections for Pipelines, Datasets, and Activities. Under Pipelines, three items are listed: 'pl_process_formula1_data', 'pl_ingest_formula1_data', and 'pl_transform_formula1_data'. The 'Activities' section lists various data processing options like Move & transform, Synapse, and Azure Function. On the right, the properties for 'pl_process_formula1_data' are being edited, specifically under the 'Settings' tab where concurrency is set to 1. The top navigation bar includes buttons for Collaps, Data Factory, Validate all, Publish all (with 2 pending), Preview experience (Off), and other UI elements.

The screenshot shows the Azure Data Factory pipeline editor interface. On the left, the navigation bar includes Home, Author (selected), Monitor, Manage, and Learning Center. The main workspace displays a pipeline structure with four stages: pl_ingest_formula1..., ds_formula1_raw, pl_transform_formu..., and pl_process_formul... The 'Execute Pipeline' activity is selected in the center, with its properties pane open. The 'Settings' tab is active, showing the 'Invoked pipeline' set to 'pl_ingest_formula1_data' and the 'Wait on completion' checkbox checked. A table below lists a parameter: Name p_window_end_date, Type string, Value (with a link to 'Add dynamic content [Alt+Shift+D]'). To the right, the 'Pipeline expression builder' pane is open, showing the expression '@pipeline().parameters.p_window_end_date'. Below it, the 'Parameters' tab is selected in a navigation bar, with a search bar and a list containing 'p_window_end_date'. At the bottom right of the builder are 'OK' and 'Cancel' buttons.

Pipeline expression builder

Add dynamic content below using any combination of [expressions](#), [functions](#) and system variables.

```
@pipeline().parameters.p_window_end_date
```

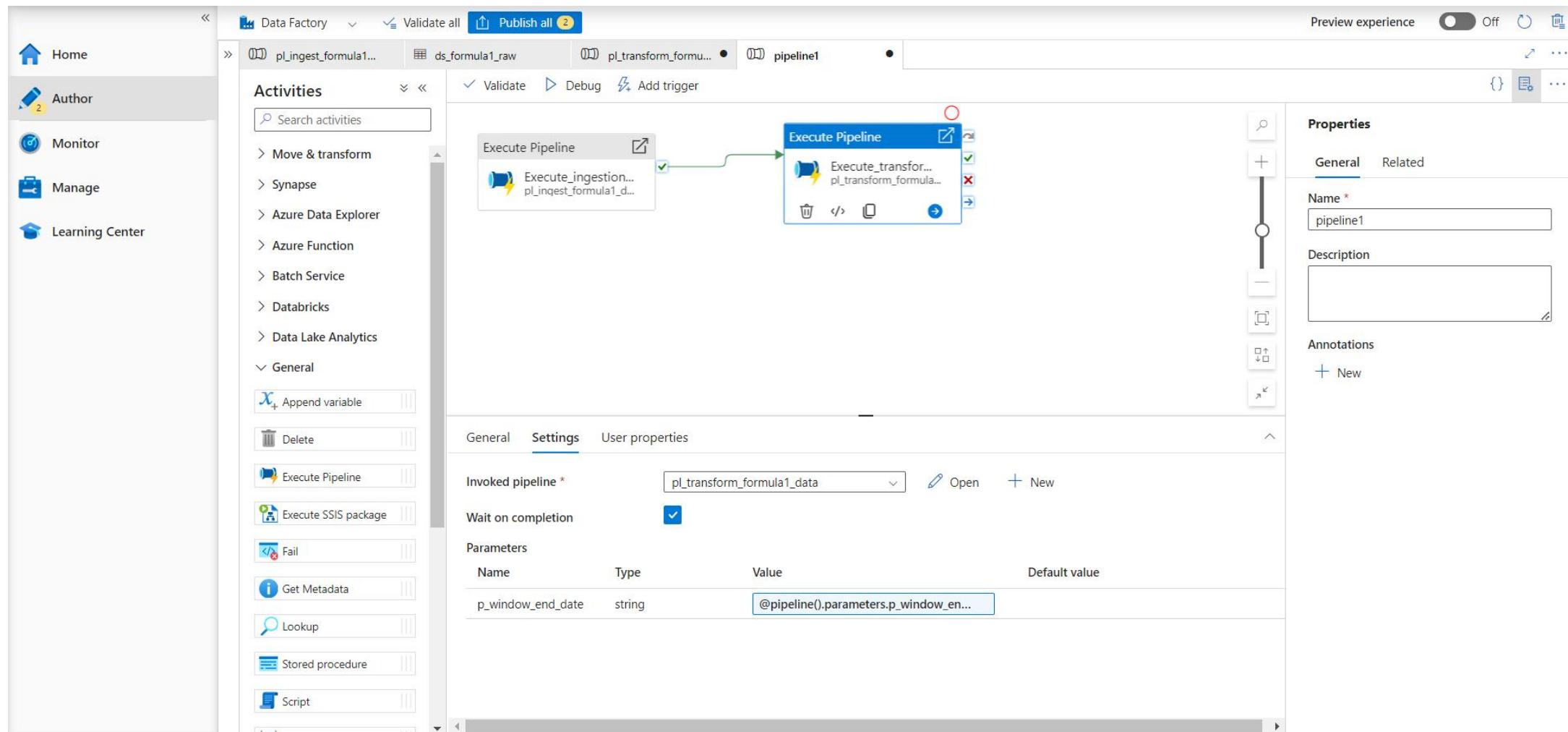
Clear contents

Parameters System variables Functions Variables

Search

p_window_end_date

OK Cancel



Home

Author

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Data Factory < Validate all Publish all 2

pl_ingest_formula1... ds_formula1_raw pl_transform_formu... pipeline1

Activities Search activities

Move & transform

Synapse

Azure Data Explorer

Azure Function

Batch Service

Databricks

Data Lake Analytics

General

Append variable

Delete

Execute Pipeline

Execute SSIS package

Fail

Get Metadata

Lookup

Stored procedure

Script

Execute Pipeline

Execute_ingestion...
pl_ingest_formula1_d...

Execute_transform...
pl_transform_formula1...

Validateing... Debug Add trigger

Pipeline run

Parameters

Name	Type	Value
p_window_end_date	string	2021-03-21

General Settings User properties

Invoked pipeline * pl_transform_formula1_data Open

Wait on completion

Parameters

Name	Type	Value
p_window_end_date	string	@pipeline().parameters.p_window_en...

OK Cancel

The screenshot shows the Azure Data Factory Author interface. On the left, there's a navigation bar with Home, Author, Monitor, Manage, and Learning Center. The main area has tabs for Data Factory, pl_ingest_formula1..., ds_formula1_raw, pl_transform_formu..., and pipeline1. The pipeline1 tab is active. In the center, there's a 'Activities' section with a search bar and a list of general activities like Move & transform, Synapse, and Azure Data Explorer. Below that is a list of specific activities: Append variable, Delete, Execute Pipeline, Execute SSIS package, Fail, Get Metadata, Lookup, Stored procedure, and Script. A specific 'Execute Pipeline' activity is selected, which has two sub-tasks: 'Execute_ingestion...' and 'Execute_transform...'. The 'Settings' tab is selected for the main 'Execute Pipeline' activity. It shows the 'Invoked pipeline' set to 'pl_transform_formula1_data', with a 'Wait on completion' checkbox checked. Under 'Parameters', there's a table with one entry: 'p_window_end_date' of type string with the value '@pipeline().parameters.p_window_en...'. To the right, a 'Pipeline run' pane is open, showing the parameter 'p_window_end_date' with its value set to '2021-03-21'. At the bottom right are 'OK' and 'Cancel' buttons.

Home

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Append variable

Delete

Execute Pipeline

Execute SSIS package

Fail

Get Metadata

Lookup

Stored procedure

Script

pl_ingest_formula1... ds_formula1_raw pl_transform_formu... ● pl_process_formul... ●

Validate Debug Add trigger

Execute Pipeline Execute Pipeline

Execute_ingestion_pl Execute_transformation_pl

Properties

General Related

Name * pl_process_formula1_data

Description

Annotations

New

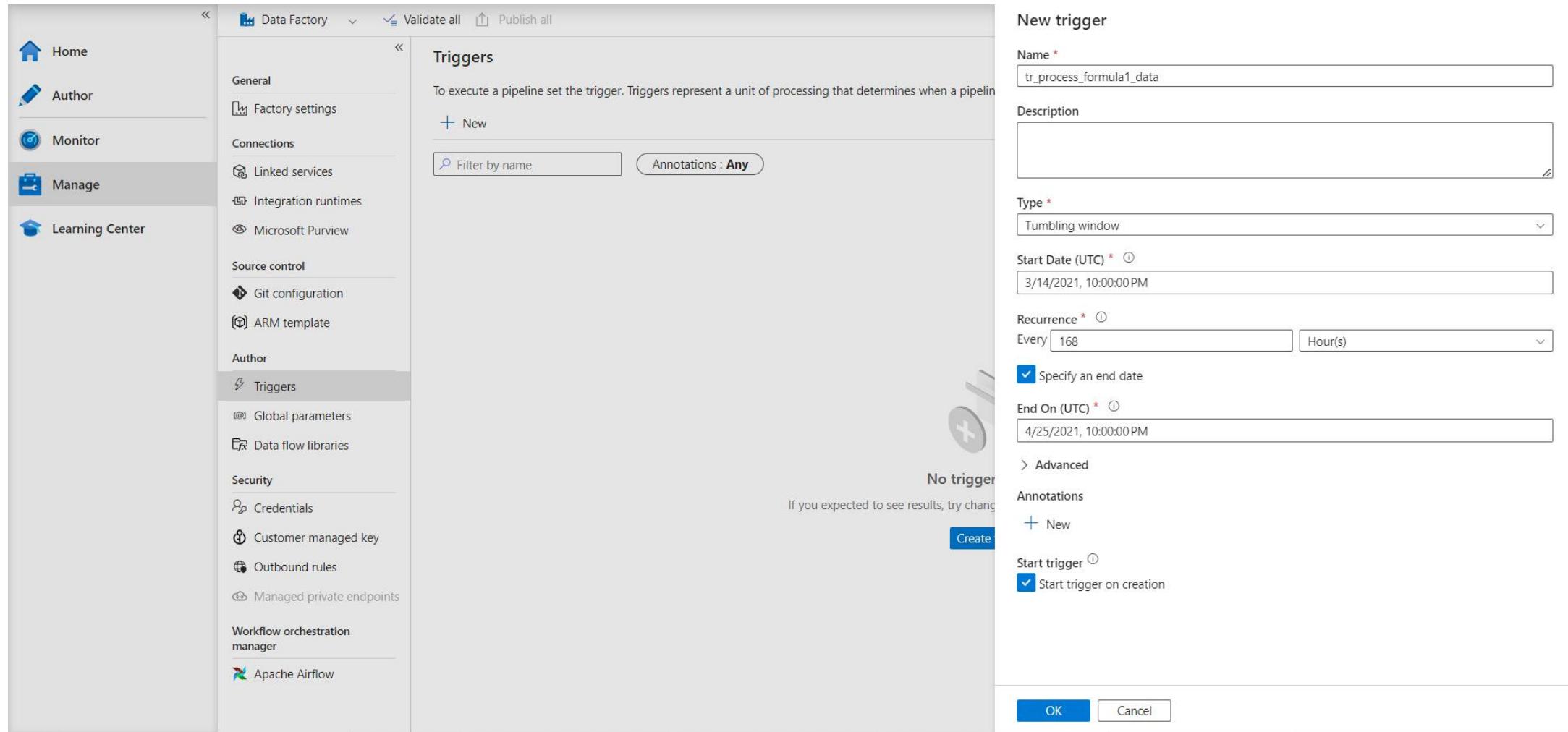
Parameters Variables Settings Output

Pipeline run ID: 0f1e8dfb-f857-4d77-aed4-e85cc63293a8 [@] View debug run consumption

All status Export to CSV

Showing 1 - 2 of 2 items

Activity name	Status	Activity type	Run start	Duration	Log
Execute_transformation_pl	Succeeded	Execute Pipeline	7/17/2023, 8:06:54 PM	3m 34s	
Execute_ingestion_pl	Succeeded	Execute Pipeline	7/17/2023, 7:58:00 PM	8m 54s	

The screenshot shows the Azure Data Factory interface. On the left, the navigation bar includes Home, Author, Monitor, Manage (selected), and Learning Center. The main area is titled 'Triggers' under the 'General' section. It contains a search bar, a filter by name dropdown, and an 'Annotations : Any' button. A 'New' button is located at the top right of the list area. Below the list, there is a note: 'To execute a pipeline set the trigger. Triggers represent a unit of processing that determines when a pipeline runs.' A 'No trigger' message with a 'Create' button is displayed. The 'New trigger' dialog is open on the right, prompting for trigger details.

New trigger

Name *****
tr_process_formula1_data

Description

Type *****
Tumbling window

Start Date (UTC) ***** ⓘ
3/14/2021, 10:00:00 PM

Recurrence ***** ⓘ
Every 168 Hour(s)

Specify an end date

End On (UTC) ***** ⓘ
4/25/2021, 10:00:00 PM

> Advanced

Annotations

+ New

Start trigger ⓘ
 Start trigger on creation

OK Cancel

Home Author Monitor Manage Learning Center

Data Factory Validate all Publish all 1

Factory Resources

Pipelines: pl_process_formula1_data, pl_ingest_formula1_data, pl_transform_formula1_data (3)

Change Data Capture (preview) (0)

Datasets: ds_formula1_raw (1)

Data flows (0)

Power Query (0)

Activities

Search activities

Move & transform, Synapse, Azure Data Explorer, Azure Function, Batch Service, Databricks, Data Lake Analytics, General, HDInsight, Iteration & conditionals, Machine Learning, Power Query

Execute Pipeline

Execute_ingestion_pl (pl_ingest_formula1_data) → Execute_transformation_pl (pl_transform_formula1_data)

Preview experience

Edit trigger

Name * tr_process_formula1_data

Description

Type * TumblingWindowTrigger

Start Date (UTC) * 3/14/2021, 10:00:00 PM

Recurrence * Every 168 Hour(s)

Specify an end date

End On (UTC) * 4/25/2021, 10:00:00 PM

Advanced

Annotations + New

Status Started Stopped

OK Cancel

Home Author Monitor Manage Learning Center

Data Factory Validate all Publish all 1

Factory Resources Filter resources by name +

Pipelines 3

- pl_process_formula1_data
- pl_ingest_formula1_data
- pl_transform_formula1_data

Change Data Capture (preview) 0

Datasets 1

- ds_formula1_raw

Data flows 0

Power Query 0

Activities

Search activities

- > Move & transform
- > Synapse
- > Azure Data Explorer
- > Azure Function
- > Batch Service
- > Databricks
- > Data Lake Analytics
- > General
- > HDInsight
- > Iteration & conditionals
- > Machine Learning
- > Power Query

Preview experience

Validate Debug Add trigger

Execute Pipeline

Execute_ingestion_pl

Execute_transformation_pl

Execute

Trigger Run Parameters

Parameters that are not provided a value will not be included in the trigger.

Name	Type	Value
p_window_end_date	string	@trigger().outputs.windowEndTime

Edit trigger

OK Cancel

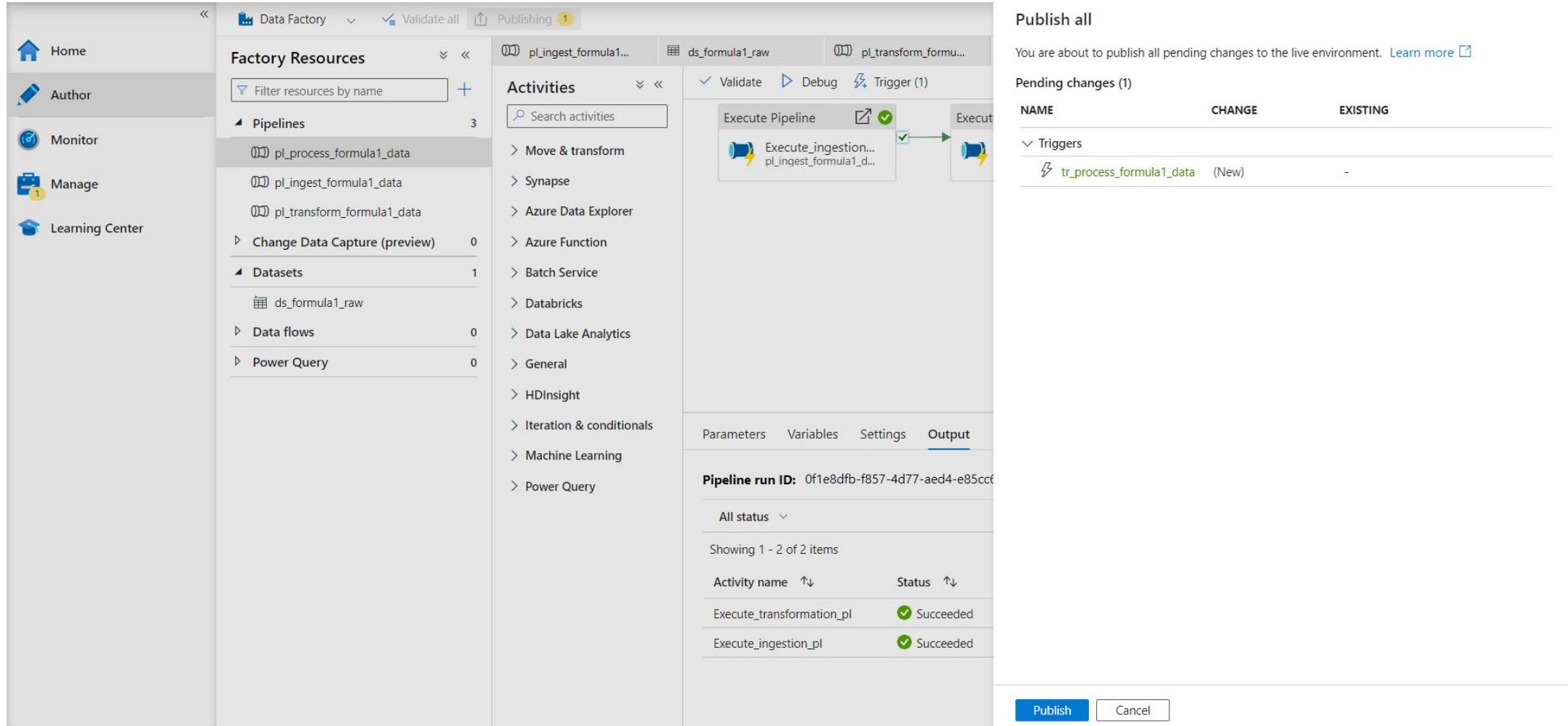
Make sure to "Publish" for trigger to be activated after clicking "OK"

All status

Showing 1 - 2 of 2 items

Activity name	Status
Execute_transformation_pl	Succeeded
Execute_ingestion_pl	Succeeded

8:42 PM 7/17/2023

The screenshot shows the Azure Data Factory Author interface. On the left, the navigation bar includes Home, Author (selected), Monitor, Manage, and Learning Center. The main area displays 'Factory Resources' with sections for Pipelines, Datasets, Data flows, and Power Query. Under Pipelines, three pipelines are listed: 'pl_process_formula1_data', 'pl_ingest_formula1_data', and 'pl_transform_formula1_data'. The 'Activities' pane lists various options like Move & transform, Synapse, Azure Data Explorer, etc. A pipeline run summary for 'pl_process_formula1_data' is shown, indicating a Pipeline run ID of 0f1e8dfb-f857-4d77-aed4-e85cc6. The run details show two activities: 'Execute_transformation_pl' and 'Execute_ingestion_pl', both in Succeeded status. A 'Pending changes (1)' section shows a new trigger named 'tr_process_formula1_data'. A 'Publish all' dialog box is open, prompting the user to publish pending changes to the live environment. The 'Output' tab is selected in the pipeline run details.

Publish all

You are about to publish all pending changes to the live environment. [Learn more](#)

Pending changes (1)

NAME	CHANGE	EXISTING
Triggers		-
tr_process_formula1_data	(New)	-

Execute Pipeline

Execute_...
Execute_ingestion...
pl_ingest_formula1_d...

Execute

Parameters Variables Settings Output

Pipeline run ID: 0f1e8dfb-f857-4d77-aed4-e85cc6

All status

Showing 1 - 2 of 2 items

Activity name ↑	Status ↑
Execute_transformation_pl	Succeeded
Execute_ingestion_pl	Succeeded

Activity name ↑ Status ↑

Execute_transformation_pl Succeeded

Execute_ingestion_pl Succeeded

Publish **Cancel**

Home << Dashboards Runs Pipeline runs Trigger runs Change Data Capture (prev...) Runtimes & sessions Integration runtimes Data flow debug Notifications Alerts & metrics

Trigger runs

All Schedule Tumbling window Storage events Custom events Refresh Edit columns

Local time : Last 24 hours Trigger name : All Status : All Runs : Latest runs X Export to CSV | ▾

Showing 1 - 6 items

Trigger name ↑	Window start time ↑	Window end time	Trigger time ↑↓	Status ↑↓	Pipelines	Run	Message	Properties
tr_process_formula1_data	4/18/2021, 5:00:00 PM	4/25/2021, 5:00:00 PM	7/17/2023, 8:44:34 PM	Succeeded	1	Original		⚙️
tr_process_formula1_data	4/11/2021, 5:00:00 PM	4/18/2021, 5:00:00 PM	7/17/2023, 8:44:33 PM	Succeeded	1	Original		⚙️
tr_process_formula1_data	4/4/2021, 5:00:00 PM	4/11/2021, 5:00:00 PM	7/17/2023, 8:44:33 PM	Succeeded	1	Original		⚙️
tr_process_formula1_data	3/28/2021, 5:00:00 PM	4/4/2021, 5:00:00 PM	7/17/2023, 8:44:33 PM	Succeeded	1	Original		⚙️
tr_process_formula1_data	3/21/2021, 5:00:00 PM	3/28/2021, 5:00:00 PM	7/17/2023, 8:44:33 PM	Succeeded	1	Original		⚙️
tr_process_formula1_data	3/14/2021, 5:00:00 PM	3/21/2021, 5:00:00 PM	7/17/2023, 8:44:33 PM	Succeeded	1	Original		⚙️