

1) How to rerun a pipe line from Data Factory Monitor.

Ans: Simply navigate to the 'Monitor' => Pipeline Runs => Triggered => Click below red circle rerun icon

The screenshot shows the 'Pipeline runs' section in the Azure Data Factory Monitor. The 'Triggered' tab is selected. A search bar and filters are visible. Below the filters, a table shows one pipeline run: 'PL_ADBS_NOTEBOOKS_JOBS'. A red circle highlights the 'Rerun' icon (a circular arrow) in the table. Below the table, a 'Rerun?' dialog box is displayed, asking 'Are you sure you want to rerun pipeline PL_ADBS_NOTEBOOKS_JOBS?'. The dialog has 'OK' and 'Cancel' buttons.

Pipeline runs

Triggered | Debug | Rerun | Cancel | Refresh | Edit columns

Search by run ID or name | Chennai, Kolkata, Mu... : Last 24 hours | Pipeline name

Showing 1 - 1 items

<input type="checkbox"/> Pipeline name	Run start	Run end
<input type="checkbox"/> PL_ADBS_NOTEBOOKS_JOBS	3/1/21, 9:47:51 PM	3/1/21, 9:48:09 PM

Rerun

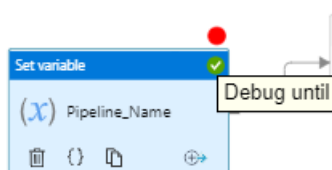
Rerun?

Are you sure you want to rerun pipeline PL_ADBS_NOTEBOOKS_JOBS?

OK Cancel

2) If you have 15 activities in pipeline, if we want to debug only first 10 activities how do we do that?

Ans: Every Activity top red Circle will be there. If you select that "Debug Until" it will debug until that activity.

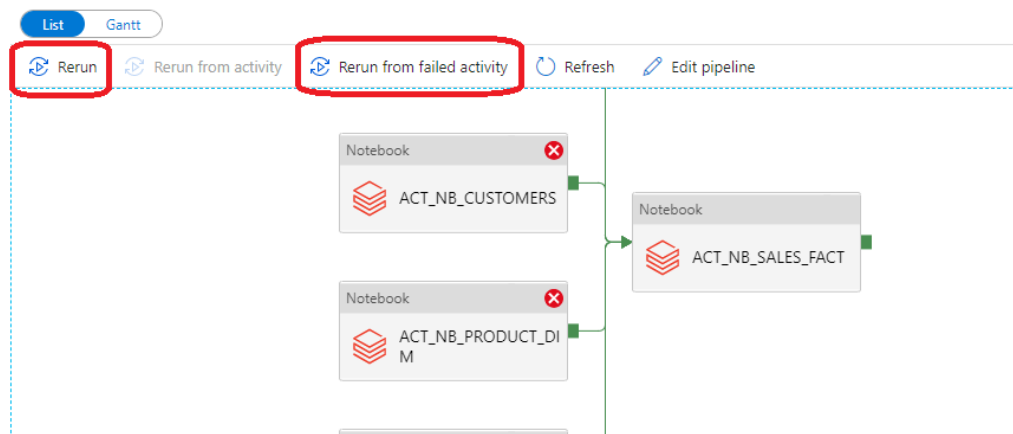


3) How to restart failed pipe line jobs in Azure data factory.

Filed pipelines will have multiple options.

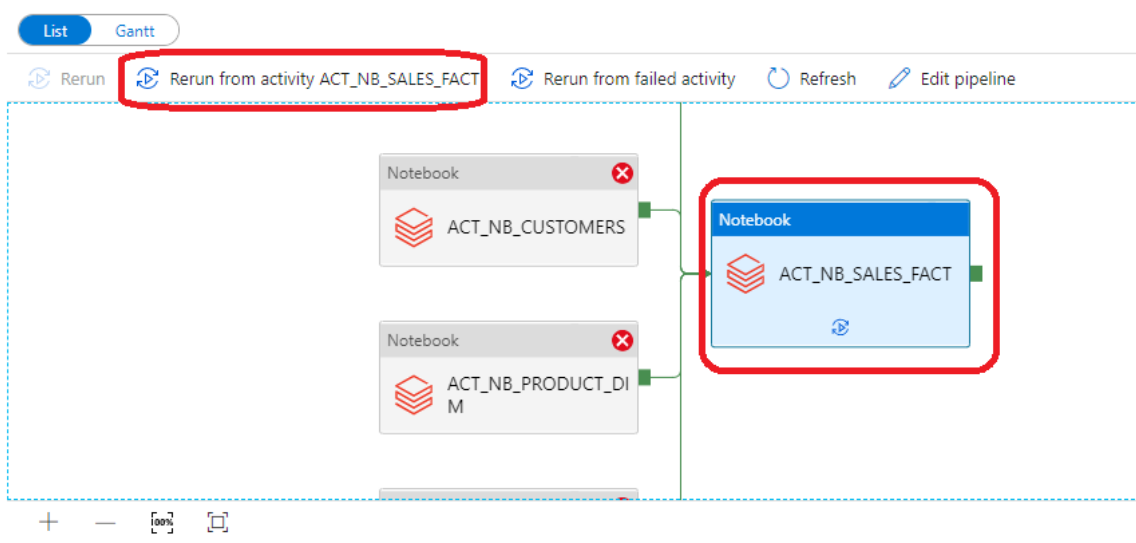
- i) **Rerun:** if you select rerun option it will return or restart from first step. If some steps are succeeded, those will be retrigged. So before triggering rerun option verify succeeded steps will be retrigged. There are some changes of reloading data again if its having copy activities.
- ii) **Rerun From Failed Activity:** If an activity fails, times out, or is canceled, you can rerun the pipeline from that failed activity by selecting Rerun from failed activity.

PL_ADBS_NOTEBOOKS_JOBS



- iii) **Rerun from Activity:** If you wish to rerun starting at a specific point, you can do so from the activity runs view. Select the activity you wish to start from and select Rerun from activity.

PL_ADBS_NOTEBOOKS_JOBS



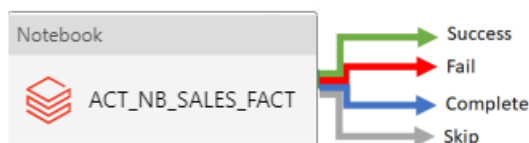
4) How to make activity dependency in Pipeline Multiple Activities and those types.

Activity Dependency defines how subsequent activities depend on previous activities, determining the condition of whether to continue executing the next task. An activity can depend on one or multiple previous activities with different dependency conditions.

The different dependency conditions are: **Succeeded**, **Failed**, **Skipped**, and **Completed**.

For example, if a pipeline has Activity A -> Activity B, the different scenarios that can happen are:

- **succeeded** : Activity B has dependency condition on Activity A with **succeeded**: Activity B only runs if Activity A has a final status of succeeded
- **failed** : Activity B has dependency condition on Activity A with **failed**: Activity B only runs if Activity A has a final status of failed
- **completed** : Activity B has dependency condition on Activity A with **completed**: Activity B runs if Activity A has a final status of succeeded or failed
- **skipped**: Activity B has a dependency condition on Activity A with **skipped**: Activity B runs if Activity A has a final status of skipped. Skipped occurs in the scenario of Activity X -> Activity Y -> Activity Z, where each activity runs only if the previous activity succeeds. If Activity X fails, then Activity Y has a status of "Skipped" because it never executes. Similarly, Activity Z has a status of "Skipped" as well.



5) What is shared self-hosted Integration Runtime or How to Share Integration Runtime from One Data Factory to another Data Factory?

Shared IR: An original self-hosted IR that runs on a physical infrastructure.

Linked IR: An IR that references another shared IR. The linked IR is a logical IR and uses the infrastructure of another shared self-hosted IR.

While Creating Self-Hosted Integration Runtime we will have separate option to Create Shared

In the self-hosted IR to be shared, select **Grant permission to another Data factory** and in the "Integration runtime setup" page, select the Data factory in which you want to create the linked IR.

Integration runtime setup

Assign permissions

☒ Search ☐ Enter Manually

Search by name or service identity application ID

☒ pysparkadv2

Selected Data Factory:

[Remove all](#)

pysparkadv2

X

Add

Cancel

Azure Data Factory Advanced Interview Questions And Answers Youtube: [TechLake](#)

In the data factory to which the permissions were granted, create a new self-hosted IR (linked) and enter the resource ID.

Integration runtime setup

Integration Runtime is the native compute used to execute or dispatch activities. Choose what integration runtime to create based on required capabilities. [Learn more](#)



Azure, Self-Hosted

Perform data flows, data movement and dispatch activities to external compute.



Azure-SSIS

Lift-and-shift existing SSIS packages to execute in Azure.

Integration runtime setup

Network environment:

Choose the network environment of the data source / destination or external compute to which the integration runtime will connect to for data flows, data movement or dispatch activities:



Azure

Use this for running data flows, data movement, external and pipeline activities in a fully managed, serverless compute in Azure.



Self-Hosted

Use this for running activities in an on-premise / private network

[View more](#)

External Resources:

You can use an existing self-hosted integration runtime that exists in another resource. This way you can reuse your existing infrastructure where self-hosted integration runtime is setup.



Linked Self-Hosted

[Learn more](#)

Rename Integration runtime name as “ Self-Hosted-Integration “ And Paste Resource ID in down window. Then Create. It will be created new Share self-hosted Integration runtime in another Data factory

Integration runtime setup

Use an existing self-hosted integration runtime infrastructure in another Data Factory. This will create a logical link to an existing self-hosted integration runtime. ^①

Name * ^①

SelfHosted-integration

Description

Enter description here...

Type

Self-Hosted (Linked)

Resource ID * ^①

/subscriptions/b2db675a-4ae9-4a77-a21d-c2b56dea54cd/resourcegroups/dev_rg/providers/Microsoft.DataFactory/factories/trainingazureadf-v2/integrationruntimes/SelfHosted-IntegrationRuntime

Create **Back** **Cancel**

Microsoft Azure | Data Factory | pysparkadf2

» Data Factory | Validate all | Publish all | Refresh | Discard all | Data flow debug | ARM template

» Home | Linked services | Integration runtimes | Azure Purview (Preview) | Source control | Git configuration | ARM template | Parameterization template | Author | Triggers

Integration runtimes

The integration runtime (IR) is the compute infrastructure to provide the following data integration capabilities across different clouds and on-premises environments.

+ New Refresh

Filter by name

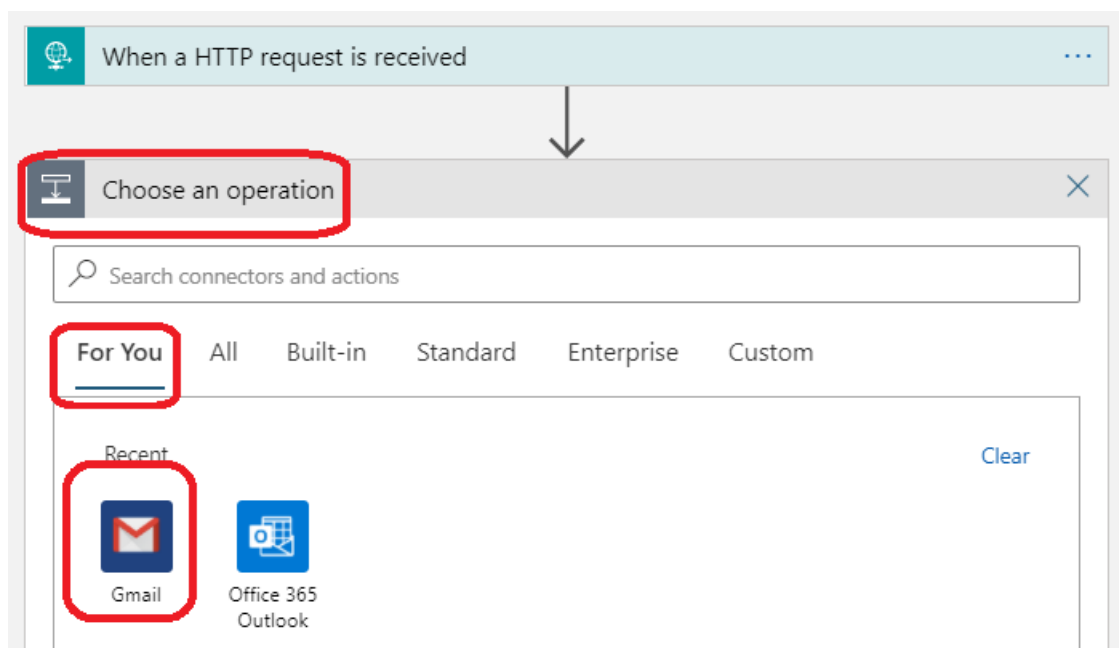
Showing 1 - 2 of 2 items

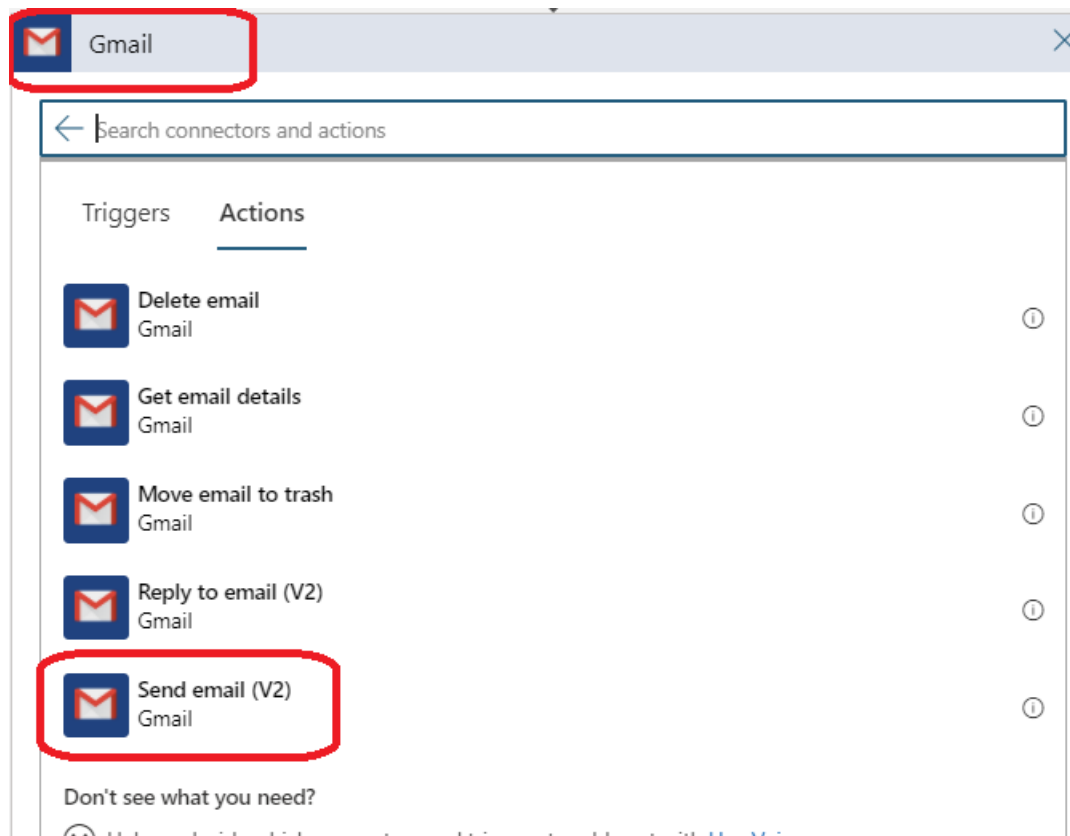
Name ↑↓	Type ↑↓	Sub-type ↑↓	Status ↑↓
AutoResolveIntegrationRuntime	Azure	Public	Running
SelfHosted-integration	Self-Hosted	Linked	Running

6) What is Logic App? Or How to send an email notification in Azure Data Factory?

Or what is WEB Activity and when we can use this activity?

WE can use this for multiple scenarios. Logic App (email) and ADF (error handling). The communication between these two Azure parts is done with a JSON message via an HTTP request (post). The JSON message contains the name of the Data Factory and the pipeline that failed, an error message and an email address. You could of course hardcode the email address in Logic Apps, but now you can reuse the Logic App for various pipelines or data factories and notify different people.

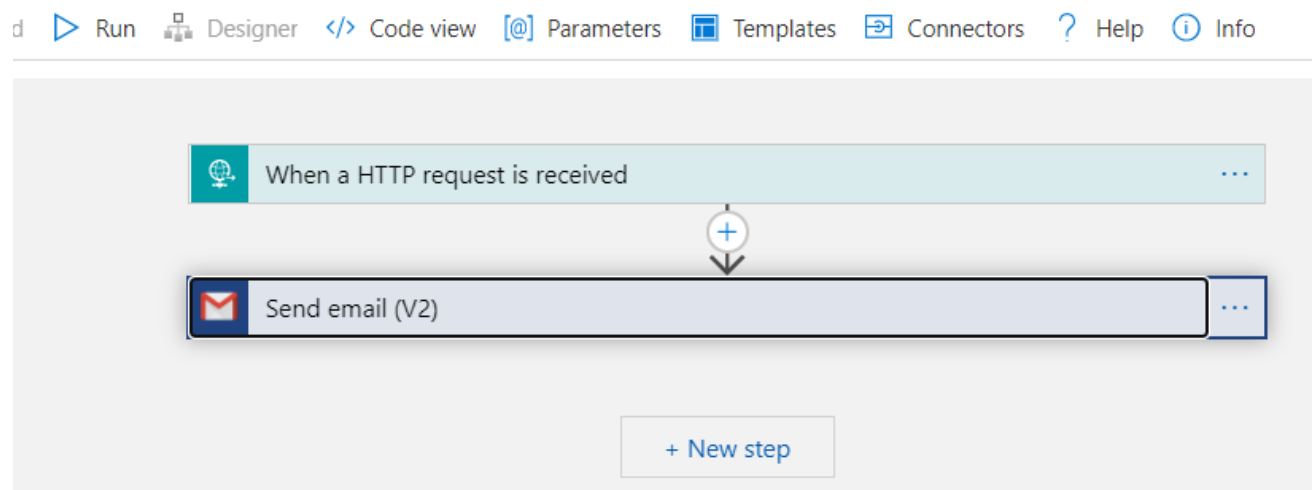




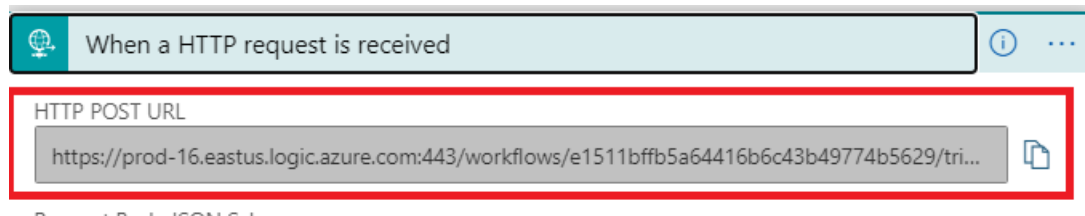
Next, we will add a new step to our Logic App, called “Send an email”. I will use gmail but if you want to use another email provider pick that one.

It’s the first time you connect Gmail account on Azure? Then you need to connect your Gmail account to Azure by signing in. (Note: allow pop-ups in your browser.)

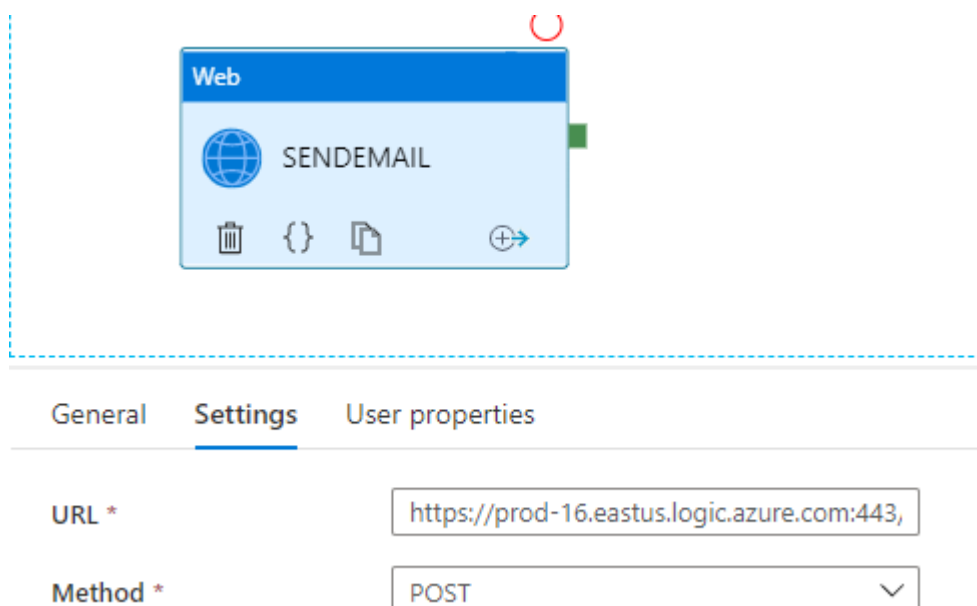
Techlake



After creation of Azure Logic App and saving the Logic App, Azure created an endpoint URL for our Logic Apps, you'll find in the first step. Copy this URL to a notepad, we'll need this later.



Now add an Web activity to the pipeline and rename it.



7) What is Get Metadata Activity? When we can use this?

OR How to get folders and filenames at dynamically?

You can use the Get Metadata activity to retrieve the metadata of any data in Azure Data Factory. You can use this activity in the following scenarios:

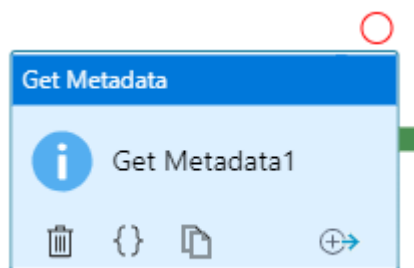
Validate the metadata of any data.

Trigger a pipeline when data is ready/available.

The following functionality is available in the control flow:

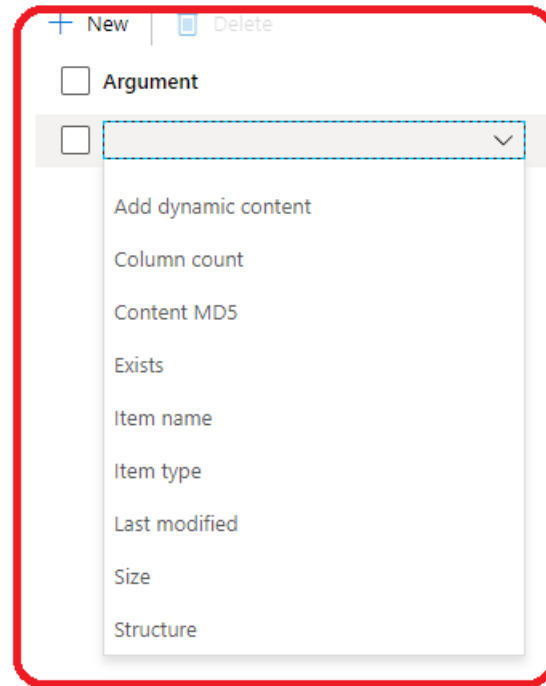
You can use the output from the Get Metadata activity in conditional expressions to perform validation.

You can trigger a pipeline when a condition is satisfied via Do Until looping.



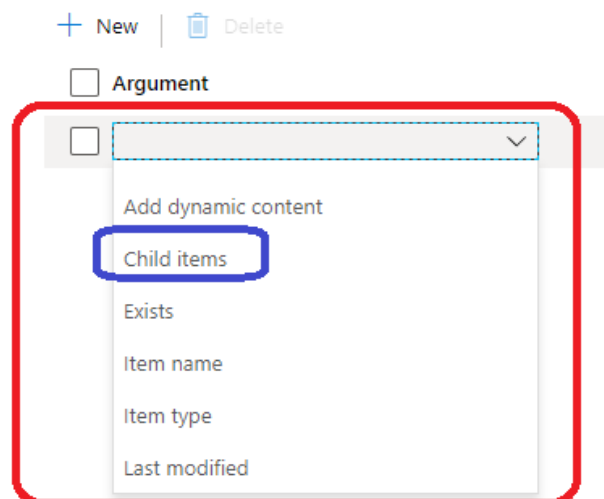
The Get Metadata activity takes a dataset as an input and returns metadata information as output. Currently, the following connectors and corresponding retrievable metadata are supported. The maximum size of returned metadata is around 4 MB.

Field list



child Items List of subfolders and files in the given folder. Applicable only to folders. Returned value is a list of the name and type of each child item.

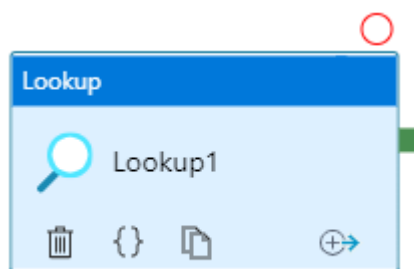
Field list



8) What is Lookup Activity and when we can use this activity?

Lookup activity can retrieve a dataset from any of the Azure Data Factory-supported data sources. Use it in the following scenario:

Dynamically determine which objects to operate on in a subsequent activity, instead of hard coding the object name. Some object examples are files and tables.



Skip line count

First row only

☒

Use the Lookup activity result

The lookup result is returned in the output section of the activity run result.

When firstRowOnly is set to true (default), the output format is as shown in the following code. The lookup result is under a fixed firstRow key. To use the result in subsequent activity, use the pattern of `@{activity('LookupActivity').output.firstRow.table}`.

9) If you are running more no of pipelines and its taking longer time to execute.

How to resolve this type of issues?

We can go with splitting pipelines batches wise and create multiple integration runtimes. Then those loads will be shared by multiple integration runtimes and we can improve the load performance of more no of pipelines.

10)What is auto resolve integration runtime in azure data factory?

AutoResolveIntegrationRuntime. This is the default integration runtime, and the region is set to auto-resolve. That means that Azure Data Factory decides the physical location of where to execute activities based on the source, sink, or activity type.

11)Data Factory supports three types of triggers. Mention these types briefly

- The **Schedule trigger** that is used to execute the ADF pipeline on a wall-clock schedule
- The **Tumbling window** trigger that is used to execute the ADF pipeline on a periodic interval, and retains the pipeline state
- The **Event-based trigger** that responds to a blob related event, such as adding or deleting a blob from an Azure storage account

Pipelines and triggers have a **many-to-many relationship** (except for the tumbling window trigger). **Multiple triggers can kick off a single pipeline, or a single trigger can kick off multiple pipelines.**

12)Any Data Factory pipeline can be executed using three methods. Mention these methods

- Under **Debug mode**
- Manual execution using **Trigger now**
- Using an added **scheduled, tumbling window or event trigger**

**13)How to load data whenever we receive a file in azure data factory? Or
How to run a pipeline if we receive a file or if we delete a file?**

Using Event-based trigger we can solve above requirement.

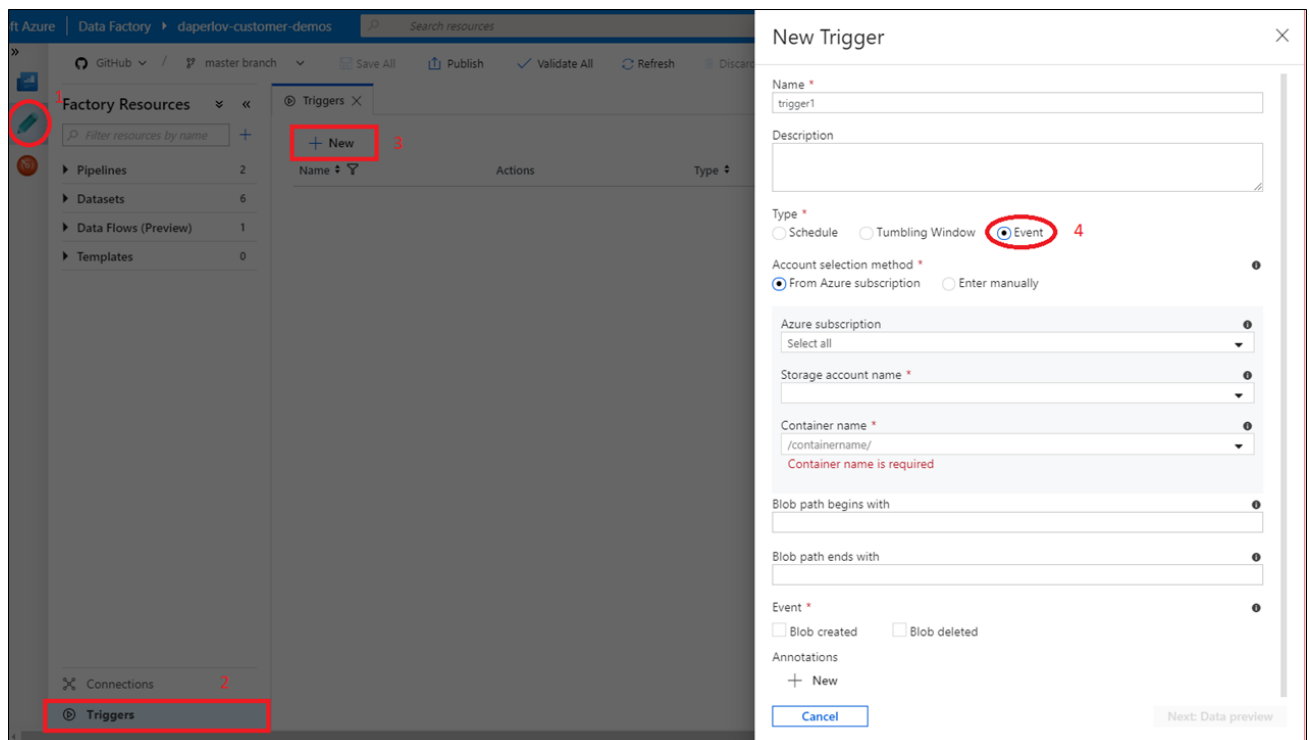
An event-based trigger runs pipelines in response to an event, such as the arrival of a file, or the deletion of a file, in Azure Blob Storage.

Steps to create Event Based Trigger:

In the bottom-left corner, click on the Triggers button

Click + New which will open up the create trigger side nav

Select trigger type Event



Blob path begins with: The blob path must start with a folder path. Valid values include 2018/ and 2018/april/shoes.csv. This field can't be selected if a container isn't selected.

Blob path ends with: The blob path must end with a file name or extension. Valid values include shoes.csv and .csv. Container and folder name are optional but, when specified, they must be separated by a /

blobs/ segment. For example, a container named 'orders' can have a value of /orders/blobs/2018/april/shoes.csv. To specify a folder in any container, omit the leading '/' character. For example, april/shoes.csv will trigger an event on any file named shoes.csv in folder a called 'april' in any container.

Note: Blob path **begins with** and **ends with** are the only pattern matching allowed in Event Trigger. Other types of wildcard matching aren't supported for the trigger type.

Select whether your trigger will respond to a **Blob created** event, **Blob deleted** event, or both. In your specified storage location, each event will trigger the Data Factory pipelines associated with the trigger

New Trigger

Name *
trigger1

Description

Type *
☐ Schedule ☐ Tumbling Window ☒ Event

Account selection method *
☐ From Azure subscription ☒ Enter manually

Storage account name *
/subscriptions/[redacted]/resourceGroups/[redacted]/providers/Micr

Container name *
sample-data

Blob path begins with
event-testing

Blob path ends with
.csv

Event *
☒ Blob created ☐ Blob deleted

Annotations
+ New

Activated *
☒ Yes ☐ No

14) Difference between Scheduled Trigger and Tumbling window trigger?

The tumbling window trigger and the schedule trigger both operate on time heartbeats. How are they different?

The **tumbling window trigger run** waits for the **triggered pipeline run** to finish. Its run state reflects the state of the triggered pipeline run. For example, if a triggered pipeline run is cancelled, the corresponding tumbling window trigger run is marked cancelled. This is different from the "fire and forget" behavior of the **schedule trigger**, which is marked successful as long as a pipeline run started.

Backfill scenarios

Tumbling Window: Supported. Pipeline runs can be scheduled for windows in the past.

Scheduled Trigger: Not supported. Pipeline runs can be executed only on time periods from the current time and the future.

Pipeline-to-trigger relationship

Tumbling Window: Supports a one-to-one relationship. Only one pipeline can be triggered.

Scheduled Trigger: Supports many-to-many relationships. Multiple triggers can kick off a single pipeline. A single trigger can kick off multiple pipelines.

Note:

In order to build a dependency chain and make sure that a trigger is executed only after the successful execution of another trigger in the data factory,

New trigger

Name *

trigger1

Description

Type *

☒ Schedule ☐ Tumbling window ☐ Event

Start date * ⓘ

03/02/2021 6:45 AM

Time zone * ⓘ

Coordinated Universal Time (UTC)

Recurrence * ⓘ

Every 15

☐ Specify an end date

Annotations

+ New

Activated * ⓘ

☒ Yes ☐ No

Minute(s)

Filter...

Minute(s)

Minute(s)

Hour(s)

Day(s)

Week(s)

Month(s)

Description

Type *

☐ Schedule ☒ Tumbling window ☐ Event

Start Date (UTC) * ⓘ

03/02/2021 6:45 AM

Recurrence * ⓘ

Every 15

☐ Specify an end date

Advanced

Add dependencies

+ New

Delete

Minute(s)

Minute(s)

Hour(s)

☐

TRIGGER

OFFSET

WINDOW SIZE

0.00:00:00

0.00:00:00

Delay ⓘ

00:00:00

Max concurrency * ⓘ

50

Retry policy: count ⓘ

0

get the latest added file in a folder [Azure Data Factory]

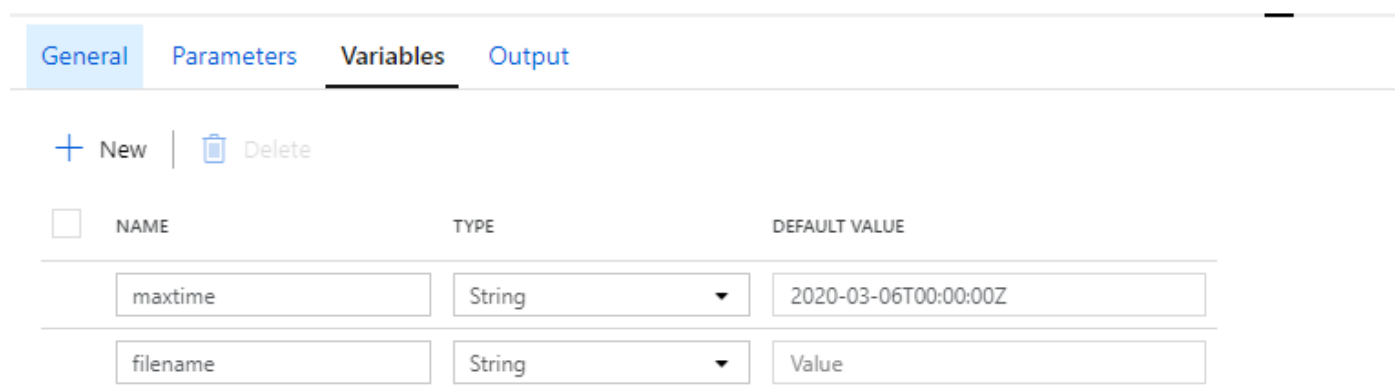
You could set [modifiedDatetimeStart](#) and [modifiedDatetimeEnd](#) to filter the files in the folder when you use ADLS connector in copy activity.

Maybe it has two situations:

- 1.The data was pushed by external source **in the schedule**,you are suppose to know the schedule time to configure.
- 2.The frequency is **random**,then maybe you have to log the pushing data time in another residence,then pass the time as parameter into copy activity pipeline before you execute it.

I try to provide a flow for you in ADF pipelines as below:

My sample files in same folder:

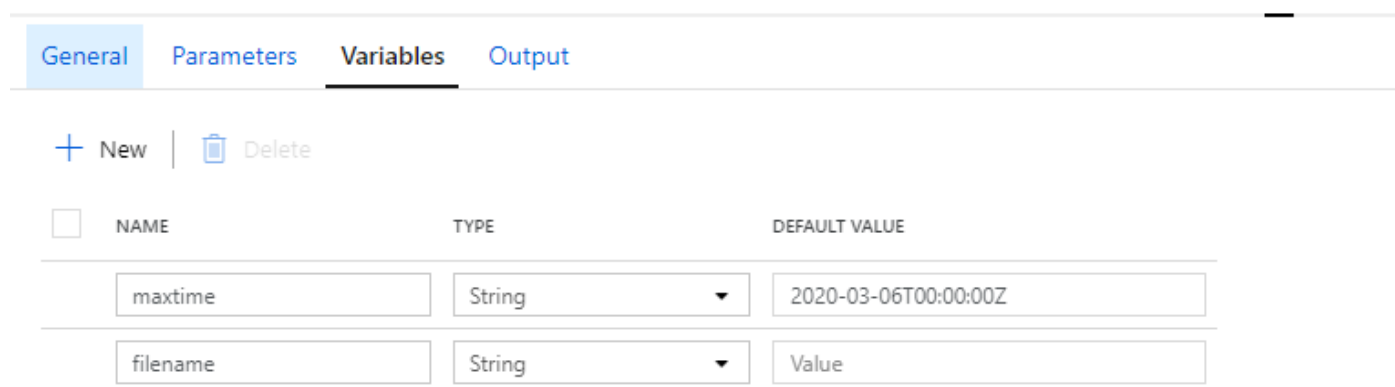


The screenshot shows the 'Variables' tab in the Azure Data Factory interface. It contains a table with two variables:

NAME	TYPE	DEFAULT VALUE
maxtime	String	2020-03-06T00:00:00Z
filename	String	Value

Step1,create two variables, maxtime and filename:

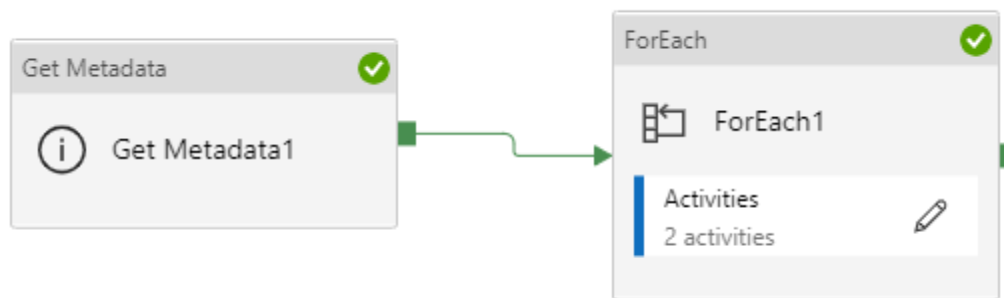
maxtime is the critical datetime of specific date, filename is empty string.



This screenshot is identical to the one above, showing the 'Variables' tab with two variables:

NAME	TYPE	DEFAULT VALUE
maxtime	String	2020-03-06T00:00:00Z
filename	String	Value

Step2, use GetMetadata Activity and ForEach Activity to get the files under folder.



GetMetadata 1 configuration:

Field list + New | Delete

☐ ARGUMENT

☐ Child Items

Last modified

ForEach Activity configuration:

General **Settings** Activities (2) User properties

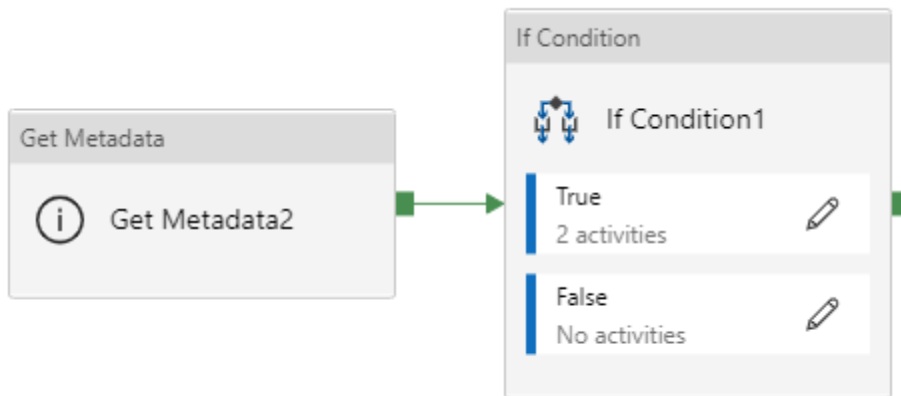
Sequential ☐

Batch count

Items

`@activity('Get Metadata1').output.childItems`

Step3: Inside ForEach Activity,use GetMetadata and If-Condition, the structure as below:



GetMetadata 2 configuration:

Field list + New | Delete

☐ ARGUMENT

Last modified	▼
Item name	▼

If-Condition Activity configuration:

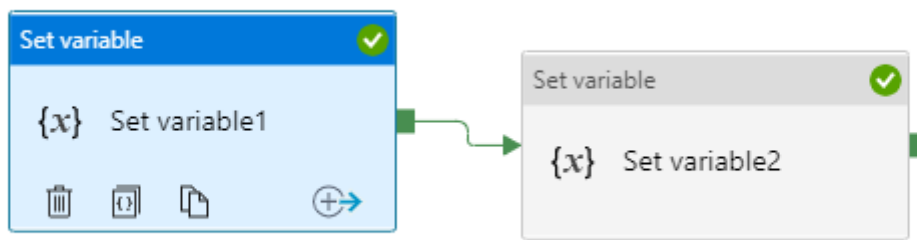
🔍 + - 🔒 100% 🖱️ 🔄 📏

General **Activities (2)** **User properties**

Expression: `@greater(activity('Get Metadata2').output.lastModified,variables('max time'))` ⓘ

CASE	ACTIVITY
True	2 Activities ✎
False	No activities ✎

Step4: Inside If-Condition True branch,use Set Variable Activity:



Set variable1 configuration:

Search, Add, Remove, Lock, Zoom, Fit, Pan, Zoom In, Zoom Out icons

General Variables User properties

Name * maxtime

Value @activity('Get Metadata2').output.lastModified

Set variable2 configuration:

Search, Add, Remove, Lock, Zoom, Fit, Pan, Zoom In, Zoom Out icons

General Variables User properties

Name * filename

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

All of above steps aim to finding the latest fileName, the variable fileName is exactly target.

Addition for another new dataset in GetMetadata 2

General Connection Schema Parameters

Linked service * AzureBlobStorage1 Test connection Open New

File path * test / Directory / @item().Name

Compression type none

Column delimiter Comma (,)

Warning

Browse Preview data

How To trigger pipeline from one ADF to Another ADF.

Using WEB Activity we can achieve this calling one ADF pipeline in another ADF.

Use below API to trigger in Web Activity.

API To Trigger Pipeline.

https://management.azure.com/subscriptions/{{sub_id}}/resourceGroups/{{resource_group_name}}/providers/Microsoft.DataFactory/factories/{{factory_name}}/pipelines/{{pipeline_name}}/createRun?api-version=2018-06-01

Caller ADF: batch25demoadf2

Callee ADF: adfv2batch25

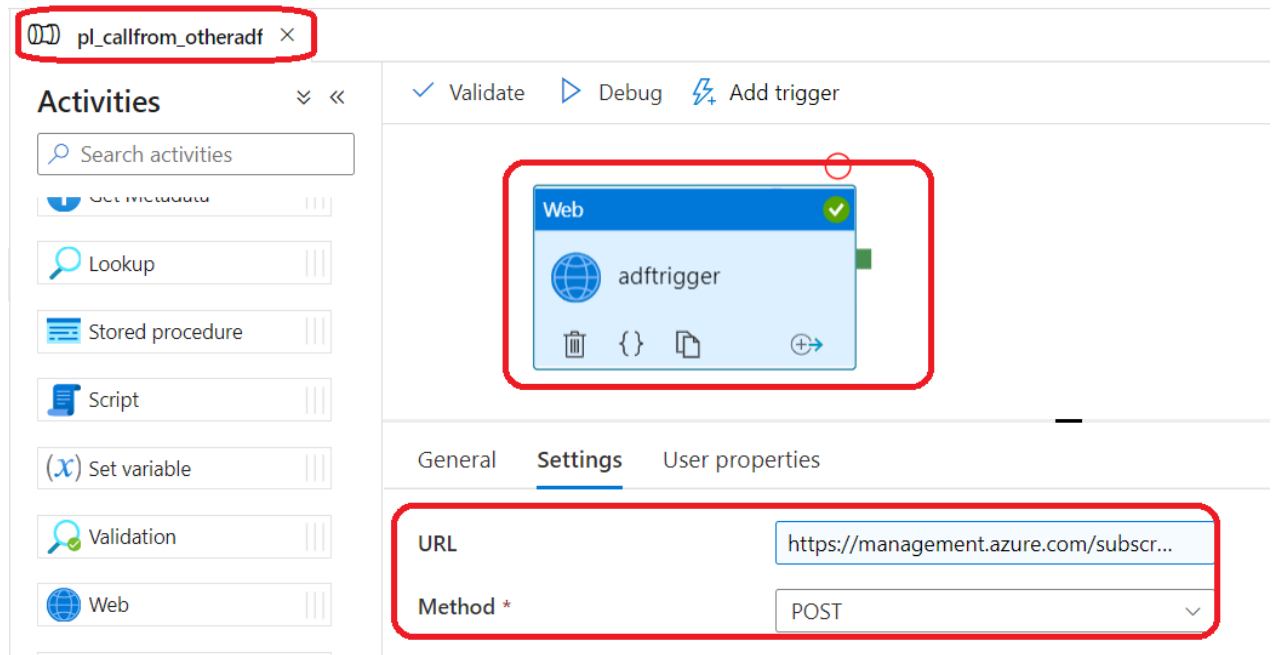
Create new pipeline in caller adf as “pl_callfrom_otheradf

And create one web activity.

URL : modified url based on above API.

https://management.azure.com/subscriptions/e0bf1971-b822-46ca-8e4a-72555f0a959e/resourceGroups/rg-dev-data-engineering-batch25/providers/Microsoft.DataFactory/factories/adfv2batch25/pipelines/pl_migrate_adlsgen1_to_adlsgen2/createRun?api-version=2018-06-01

Method: POST



Body : {} (empty {})

Authentication : System Assigned Managed Identity

Resource: <https://management.azure.com>

Web

adftrigger

General Settings User properties

Body

{ }

Datasets + Add dataset reference

Linked services + Add linked service reference

Integration runtime * ⓘ AutoResolveIntegrationRuntime

Disable certificate validation ☐

HTTP request timeout ⓘ

Authentication System Assigned Managed Identity

Resource https://management.azure.com/

Advanced

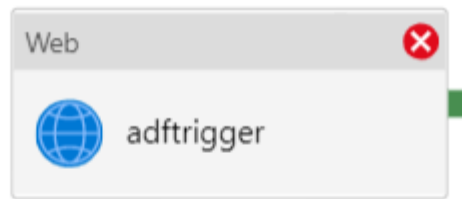
Disable async pattern ⓘ

Save and Debug. Now it will raise error due to privileges issue.

We need to grant access as Contributor role.

Caller ADF: batch25demoadfv2

Callee ADF: adfv2batch25 (give contributor role to batch25demoadfv2)



Parameters Variables Settings **Output**

Pipeline run ID: **f90650c0-6c9c-4700-8ef6-a2de6b0c07ff** [🔗]

Name	Type
adftrigger	Web


Error details [🔗] [✕]

Error code 2108 [Troubleshooting guide](#) [🔗]

Failure type User configuration issue

Details {"error":{"code":"AuthorizationFailed","message":"The client '39b2d0a2-738c-4c3c-b011-81cb57865ac2' with object id '39b2d0a2-738c-4c3c-b011-81cb57865ac2' does not have authorization to perform action 'Microsoft.DataFactory/factories/pipelines/createRun/action' over scope '/subscriptions/e0bf1971-b822-46ca-8e4a-72555f0a959e/resourceGroups/rq-dev-data-engineering-batch25/providers/Microsoft.DataFactory/factories/adf" [🔍]

Grant Contributor role to batch25demoadf from adfv2batch25 adf.

 **adfv2batch25**
Data factory (V2)

Access control (IAM) ...

Overview

Activity log

Access control (IAM)

Tags

Diagnose and solve problems

Settings

+ Add

Download role assignments

Edit column

Check access

Role assignments

Roles

Deny ass


My access
View my level of access to this resource.

View my access

Check access
Review the level of access a user, group, service

[Home](#) > [Data factories](#) > [adfv2batch25](#) >

Add role assignment ...

 Got feedback?

Role Members · Review + assign

A role definition is a collection of permissions. You can use the built-in roles or you can create your own custom roles. [Learn more](#)

Type : All

Category : All


Name ↑↓	Description ↑↓
Owner	Grants full access to manage all resources, including the ability to ass
Contributor	Grants full access to manage all resources, but does not allow you to
Reader	View all resources, but does not allow you to make any changes.
Data Factory Contributor	Create and manage data factories, as well as child resources within th
Log Analytics Contributor	Log Analytics Contributor can read all monitoring data and edit mon
Log Analytics Reader	Log Analytics Reader can view and search all monitoring data as well
Managed Application Contributor Role	Allows for creating managed application resources.

Review + assign

Previous

Next

Add role assignment ...

 Got feedback?

Role

Members

Review + assign

Selected role

Contributor

Assign access to



User, group, or service principal



Managed identity

Members

+ Select members

Name

No members selected

Description

Optional

Select members



Select ⓘ

batc



batch24adfv2

Selected members:



batch25demoadfv2

Remove

Azure Data Factory Advanced Interview Questions And Answers Youtube: [TechLake](#)

adfv2batch25 | Access control (IAM)

Search (Ctrl+/)

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

Settings
Networking
Managed identities
Properties
Locks

Check access **Role assignments** Roles Deny assignments Classic administrators

Number of role assignments for this subscription 10 2000

Search by name or email Type: All Role: All Scope: All scopes Group by: Role

3 items (2 Users, 1 Managed Identities)

Name	Type	Role	Scope	Condition
Contributor				
<input type="checkbox"/> batch25demoadl /subscriptions/...	Data Factory	Contributor	This resource	None

Then Run Pipeline in batch25demoadfv2. We can verify in adfv2batch25 monitor.

Web
adftrigger

Parameters Variables Settings **Output**

Pipeline run ID: 7fc5df2c-5921-476e-9c55-f24784f61ef5

Name	Type	Run start	Duration	Status
adftrigger	Web	2022-07-24T06:46:55.2894	00:00:14	Succeeded

Microsoft Azure adfv2batch25

Would you like to try preview updates to Azure Data Factory Studio? Open settings to learn more and opt in

Pipeline runs
Triggered Debug Rerun Cancel Refresh Edit columns List Gantt

Filter by run ID or name Chennai, Kolkata, Mu... : Last 24 hours Pipeline name: All Status: All Runs: Latest runs

Triggered by: All Add filter

Showing 1 - 2 items

Pipeline name	Run start	Run end	Duration	Triggered by	Status	Error
<input type="checkbox"/> pl_migrate_adlsgen1_to_adlsgen2	Jul 24, 2022, 12:17:07 pm		00:00:15	Manual trigger	In progress	

How to automate Resume or Pause Dedicated SQL Pool in azure data factory?

Using below Two api's we can Pause/Resume SQL DWH.

Pause compute

<https://management.azure.com/subscriptions/{subscription-id}/resourceGroups/{resource-group-name}/providers/Microsoft.Sql/servers/{server-name}/databases/{database-name}/pause?api-version=2014-04-01-preview>

Resume compute

<https://management.azure.com/subscriptions/{subscription-id}/resourceGroups/{resource-group-name}/providers/Microsoft.Sql/servers/{server-name}/databases/{database-name}/resume?api-version=2014-04-01-preview>

Grant SQL DB Contributor role to Azure Data Factory to access SQL DB.

Add a Web activity to your pipeline and give it a suitable name

Go to the Settings tab and use the URL from the previous step in the URL property

Choose POST as method

Fill in {} as body (we don't need it, but it is required)

Authentication : Managed Identity

Resource : <https://management.azure.com/>

Grant Access SQL Server to ADF for below two roles.

- 1) Contributor Role
- 2) SQL DB Contributor

batch22sqlserver | Access control (IAM) ...

Search (Ctrl+/) << + Add Download role assignments Edit columns Refresh Remove Got feedback?

Check access **Role assignments** Roles Deny assignments Classic administrators

Number of role assignments for this subscription ⓘ

8 2000

Search by name or email Type: All Role: All Scope: All scopes Group by: Role

4 items (2 Users, 2 Managed Identities)

<input type="checkbox"/>	Name	Type	Role	Scope	Condition
▼ Contributor					
<input type="checkbox"/>	batch22adf2 /subscriptions/e0bf...	Data Factory	Contributor ⓘ	This resource	None
<input type="checkbox"/>	Raveendra Reddy t pyparktraining8.g...	User	Contributor ⓘ	Subscription (Inherited)	None
<input type="checkbox"/>	raveendratat (Guest) raveendratat@gma...	User	Contributor ⓘ	Subscription (Inherited)	None
▼ SQL DB Contributor					
<input type="checkbox"/>	batch22adf2 /subscriptions/e0bf...	Data Factory	SQL DB Contributor ⓘ	This resource	None

Use Web Activity to first verify status of Dedicated SQL pool.

Based on status we can use if condition if it is paused we can use resume API

If it is online we can use paused API.

Verify Status:

<https://management.azure.com/subscriptions/e0bf1971-46ca-8e4a-72555f0a959e/resourceGroups/rg-dev-batch22-de/providers/Microsoft.Sql/servers/batch22sqlserver/databases/synapsedwh/?api-version=2014-04-01-preview>

Resume:

<https://management.azure.com/subscriptions/e0bf1971-46ca-8e4a-72555f0a959e/resourceGroups/rg-dev-batch22-de/providers/Microsoft.Sql/servers/batch22sqlserver/databases/synapsedwh/resume?api-version=2014-04-01-preview>

Pause:


<https://management.azure.com/subscriptions/e0bf1971-46ca-8e4a-72555f0a959e/resourceGroups/rg-dev-batch22-de/providers/Microsoft.Sql/servers/batch22sqlserver/databases/synapsedwh/pause?api-version=2014-04-01-preview>





first activity we will get status using web activity. Based on status using if condition we call resume or pause we activities.

The image shows two screenshots from the Azure Data Factory interface. The top screenshot displays a workflow named 'pl_synapse_resume'. It features a 'Web' activity labeled 'Verify_SQLDWH' which is connected to an 'If Condition' activity. The 'If Condition' activity has two branches: 'True' (1 activities) and 'False' (1 activities). The bottom screenshot shows the 'Settings' tab for the 'Verify_SQLDWH' Web activity. The settings include:

- URL: <https://management.azure.com/subscriptions/e0bf1971-46ca-8e4a-72555f0a959e/resourceGroups/rg-dev-batch22-de/providers/Microsoft.Sql/servers/batch22sqlserver/databases/synapsedwh/status?api-version=2014-04-01-preview>
- Method: GET
- Headers: + New
- Datasets: + Add dataset reference
- Linked services: + Add linked service reference
- Integration runtime: AutoResolveIntegrationRuntime
- Disable certificate validation: ☒
- HTTP request timeout: 00:01:00
- Authentication: System Assigned Managed Identity
- Resource: <https://management.azure.com>

Web

 Resume_SQLDWH

General

Settings

User properties

URL *

https://management.azure.com/subscriptic

Method *

POST

Headers

+ New

Body

{}

Datasets

+ Add dataset reference

Linked services

+ Add linked service reference

Integration runtime * ⓘ

AutoResolveIntegrationRuntime

Disable certificate validation

☒

HTTP request timeout ⓘ

00:01:00

Authentication

System Assigned Managed Identity


Resource


https://management.azure.com


pl_synapse_resume > If Condition1 > False activities


Web


Pause_SQLDWH











General Settings User properties

URL *

Method *

Headers [+ New](#)

Body

Datasets [+ Add dataset reference](#)

Linked services [+ Add linked service reference](#)

Integration runtime *

Disable certificate validation ☒

HTTP request timeout

Authentication

Resource