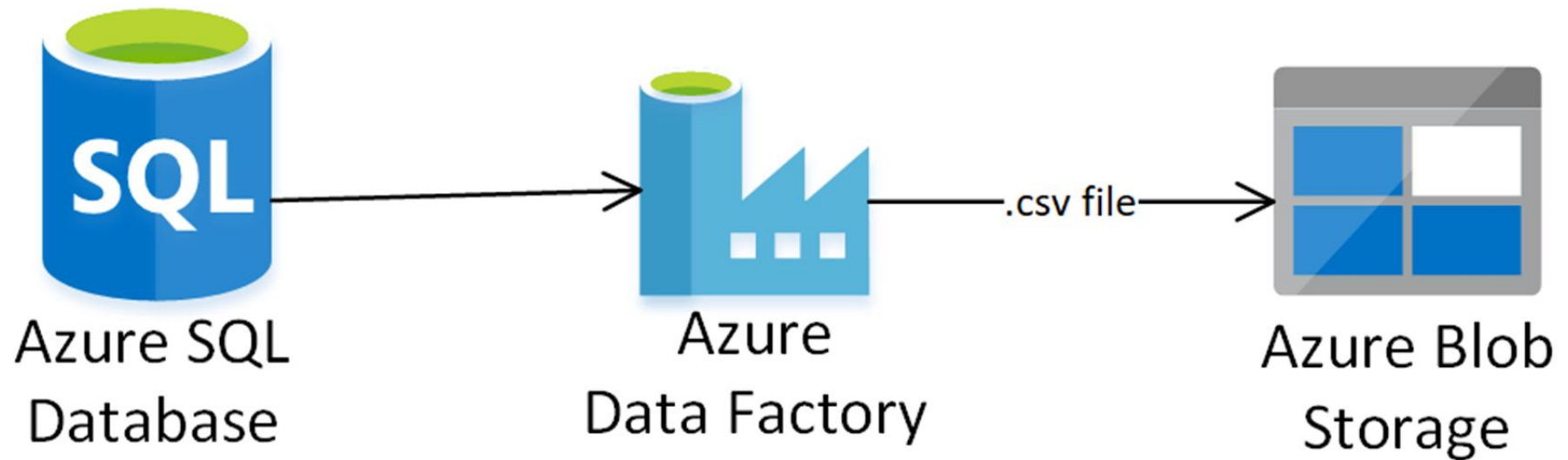


## Logging pipeline audit data to Azure SQL DB Table



demodb (serversakthi/demodb)output - Microsoft Azuremy-demoadf - Azure Data Factorymy-demoadf - Microsoft AzureChatGPT(49) WhatsApp

adf.azure.com/en/authoring/dataset/ds\_abs?factory=%2Fsubscriptions%2Fcb5aa32f-596d-4042-b541-07ac75597efe%2FresourceGroups%2FRG-ADFCourse%2Fproviders%2FMicrosoft.DataFactory%2FFactories%2Fmy-demoadf

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Preview experienceOff

HomeData FactoryValidate allPublish all

ds\_absds\_asdbpl\_copy\_data\_from\_...

DelimitedTextds\_absCSV

ConnectionSchemaParameters

Linked service \*Is\_absTest connectionEdit+ NewLearn moreConnection successful

Linked service properties

Name	Value	Type
Is_BlobAccName	@dataset().dsp_BlobAccName	string

File path \*@dataset().dsp\_ContainerName / Directory / @dataset().dsp\_FileNameBrowsePreview dataDetect format

Compression typeNo compression

Column delimiterComma (,)

Row delimiterDefault (\r,\n, or \r\n)

EncodingDefault(UTF-8)

Quote characterDouble quote (")

Escape characterBackslash (\)

First row as header

Null value

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adf.azure.com/en/authoring/dataset/ds\_asdb?factory=%2Fsubscriptions%2Fcb5aa32f-596d-4042-b541-07ac75597efe%2FresourceGroups%2Frg-ADFCourse%2Fproviders%2FMicrosoft.DataFactory%2Ffactories%2Fmy-demoadf

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Preview experienceOff

SQL

Azure SQL Database

ds\_asdb

ConnectionSchemaParameters

Linked service \*Is\_asdbTest connectionEdit+ NewLearn more

Linked service properties

Name	Value	Type
Is_ASDBServerName	@dataset().dsp_ASDBServerName	string
Is_ASDBDbName	@dataset().dsp_ASDBName	string
Is_ASDBUserName	@dataset().dsp_ASDBUserName	string
Is_ASDBPassword	@dataset().dsp_ASDBPassword	string

Table

@dataset().dsp\_ASDBSchemaName . @dataset().dsp\_ASDBTableNamePreview data

☒ Enter manually

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demodb (serversakthi/demodb) × output - Microsoft Azure × my-demoadf - Azure Data Faci × my-demoadf - Microsoft Azure × ChatGPT × (49) WhatsApp ×

adf.azure.com/en/authoring/pipeline/pl\_copy\_data\_from\_asdb\_to\_abs\_with\_log?factory=%2Fsubscriptions%2Fcb5aa32f-596d-4042-b541-07ac75597efe%2FresourceGroups%2FRG-ADFCourse%2Fproviders%2FMicrosoft.DataFactory%2Ffac...

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»Data FactoryValidate allPublish all

»ds\_absds\_asdbpl\_copy\_data\_from...

»ValidateDebugAdd trigger

ParametersVariablesSettingsOutput

+ NewDelete

<input type="checkbox"/>	Name	Type	Default value	
<input type="checkbox"/>	pp_ASDBServerName	String	serversakthi.database.windc	
<input type="checkbox"/>	pp_ASDBName	String	demodb	
<input type="checkbox"/>	pp_ASDBUserName	String	admindb	
<input type="checkbox"/>	pp_ASDBPassword	String	Root1234	
<input type="checkbox"/>	pp_BlobAccName	String	abssakthi	
<input type="checkbox"/>	pp_ABSContainerName	String	output	
<input type="checkbox"/>	pp_ASDBTableName	String	Value	
<input type="checkbox"/>	pp_ASDBSchemaName	String	dbo	

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demodb (serversakthi/demodb) | Home - Microsoft Azure | my-demoadf - Azure Data Factory | my-demoadf - Microsoft Azure | ChatGPT | (49) WhatsApp

adf.azure.com/en/authoring/pipeline/pipeline?factory=%2Fsubscriptions%2Fcb5aa32f-596d-4042-b541-07ac75597efe%2FresourceGroups%2FRG-ADFCourse%2Fproviders%2FMicrosoft.DataFactory%2Ffactories%2Fmy-demoadf

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Data Factory | Validate all | Publish all

ds\_abs | ds\_asdb | pl\_copy\_data\_from...

Activities | stor | General | Stored procedure

Validating... | Debug | Add trigger

Copy data

Copy data - Asdb to Abs

Stored procedure

Stored procedure success loq

Stored procedure

Stored procedure fail loq

Parameters | Variables | Settings | Output

+ New | Delete

Name	Type	Default value
pp_ASDBServerName	String	serversakthi.database.windc
pp_ASDBName	String	demodb
pp_ASDBUserName	String	admindb
pp_ASDBPassword	String	Root1234
pp_BlobAccName	String	abssakthi
pp_ABSContainerName	String	output
pp_ASDBTableName	String	Value
pp_ASDBSchemaName	String	dbo

Pipeline run

Parameters

Name	Type	Value
pp_ASDBServerName	string	serversakthi.database.wind...
pp_ASDBName	string	demodb
pp_ASDBUserName	string	admindb
pp_ASDBPassword	string	Root1234
pp_BlobAccName	string	abssakthi
pp_ABSContainerName	string	output
pp_ASDBTableName	string	cust
pp_ASDBSchemaName	string	dbo

OK | Cancel

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Preview experienceOff

»Data FactoryValidate allPublish all

»ds\_absds\_asdbpl\_copy\_data\_from...

»ValidateDebugAdd trigger

```
graph LR; A[Copy data - Asdb to Abs] -- Success --> B[Stored procedure success log]; A -- Failure --> C[Stored procedure fail log];
```

ParametersVariablesSettingsOutput

Pipeline run ID: 692b52d5-b233-40fe-93e6-c6ff13abe111Pipeline status: SucceededView debug run consumption

All status

Showing 1 - 2 of 2 items

Activity name	Activity status	Activity name	Run start	Duration	Integration runtime	User properties	Activity run ID	Log
Stored procedure success log	Succeeded	Stored procedure success log	1/20/2025, 1:21:52 PM	13s	AutoResolveIntegrationRuntime (East US 2)		d647cc1a-9e51-4407-8b26-cd60ed71762a	
Copy data - Asdb to Abs	Succeeded	Copy data	1/20/2025, 1:21:38 PM	14s	AutoResolveIntegrationRuntime (East US 2)		42b3d3b1-938b-44c2-87fa-02914b09fc82	

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13:22 20-01-2025

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portal.azure.com/#view/Microsoft\_Azure\_Storage/ContainerMenuBlade/-/overview/storageAccountId/%2Fsubscriptions%2Fcb5aa32f-596d-4042-b541-07ac75597efe%2FresourceGroups%2FRG%2Fproviders%2FMicrosoft.Storage%2FstorageAccounts%2Fcust.csv

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Home >

outputContainer

Search

UploadChange access levelRefreshDeleteChange tierAcquire leaseBreak leaseView snapshotsCreate snapshotGive feedback

Overview

Diagnose and solve problems

Access Control (IAM)

Settings

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

Location: output

Search blobs by prefix (case-sensitive)

Show deleted blobs

Add filter

Name	Modified	Access tier	Archive status	Blob type	Size	Lease state
<input type="checkbox"/> cust.csv	20/1/2025, 1:21:50 pm	Hot (Inferred)		Block blob	145 B	Available ***

8 NIFTY+0.57%

Search

ENG IN13:2220-01-2025

SQLQuery1.sql - serversakthi.database.windows.net.demodb (admindb (73)) - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

demodb Execute

```
create proc spPipeline_log
@DataFactoryName varchar(500),
@Pipeline_name varchar(500),
@RunId varchar(500),
@TriggerType varchar(500),
@TriggerId varchar(500),
@TriggerName varchar(500),
@TriggerTime datetime,
@rowsCopied varchar(500),
@RowsRead int,
@No_ParallelCopies int,
@copyDuration_in_sec varchar(500),
@effectiveIntegrationTime varchar(500),
@SourceType varchar(500),
@SinkType varchar(500),
@Copy_Activity_Start_Time varchar(500),
@Copy_Activity_End_Time varchar(500),
@Execution_Status varchar(500),
@Error_Messages varchar(500)
as
begin
insert into pipeline_log values(@DataFactoryName, @Pipeline_name, @RunId, @TriggerType, @TriggerId, @TriggerName, @TriggerTime, @rowsCopied, @RowsRead, @No_ParallelCopies, @copyDuration_in_sec, @effectiveIntegrationTime, @SourceType, @SinkType, @Copy_
end
```

100 %

Results Messages

	DataFactoryName	Pipeline_name	RunId	TriggerType	TriggerId	TriggerName	TriggerTime	rowsCopied	RowsRead	No_ParallelCopies	copyD...	effectivel...	SourceType	SinkType	Copy_Activity_Start_Time	Copy_Activity_End_Time	Execution_Status	Execution_Sl
1	my-demoadf	pl_copy_data_from_asdb_to_abs_with_log	692b52...	Manual	c2ad6ea...	Sandbox	2025-01-20 07:51:36.397	6	6	1	12	AutoRes...	AzureSqlDatabase	AzureBlobStorage	2025-01-20T07:51:38.1936654Z	2025-01-20T07:51:51.8034663Z	Succeeded	200

Query executed successfully.

serversakthi.database.windo... admindb (73) demodb 00:00:01 1 rows

Ready

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Search

Ln 1 Col 1 INS

ENG IN

13:26 20-01-2025



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adf.azure.com/en/authoring/pipeline/pipeline?factory=%2Fsubscriptions%2Fcb5aa32f-596d-4042-b541-07ac75597efe%2FresourceGroups%2FRG-ADFCourse%2Fproviders%2FMicrosoft.DataFactory%2Ffactories%2Fmy-demoadf

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Data FactoryValidate allPublish all

ds\_absds\_asdbpl\_copy\_data\_from...

ValidateDebugAdd trigger

```
graph LR; A[Copy data - Asdb to Abs] -- Success --> B[Stored procedure success log]; A -- Failure --> C[Stored procedure fail log];
```

ParametersVariablesSettingsOutput

Pipeline run ID: 894ee214-2a11-496c-a247-18071fca2e91Pipeline status FailedView debug run consumption

All status

Showing 1 - 2 of 2 items

Activity name	Activity status	Activity name	Run start	Duration	Integration runtime	User properties	Activity run ID	Log
Stored procedure fail log	Succeeded	Stored procedure fail log	1/20/2025, 1:29:38 PM	4s	AutoResolveIntegrationRuntime (East US 2)		69566c60-d3a9-415a-a711-86d464e9e587	
Copy data - Asdb to Abs	Failed	Copy data	1/20/2025, 1:29:25 PM	13s	AutoResolveIntegrationRuntime (East US 2)		a125bc76-042d-4f18-bed3-631fb613b424	

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SQLQuery1.sql - serversakthi.database.windows.net.demodb (admindb (75)) - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

demodb Execute

```
SQLQuery1.sql - se...odb (admindb (75))
Execution_Status_Code varchar(500) Null,
Error_Messages varchar(500) Null
)
select * from pipeline_log;
create proc spPipeline_log
@DataFactoryName varchar(500),
@Pipeline_name varchar(500),
@RunId varchar(500),
@TriggerType varchar(500),
@TriggerId varchar(500),
@TriggerName varchar(500),
@TriggerTime datetime,
@rowsCopied varchar(500),
@RowsRead int,
@No_ParallelCopies int,
@copyDuration_in_sec varchar(500),
@effectiveIntegrationTime varchar(500),
@SourceType varchar(500),
@SinkType varchar(500),
@Copy_Activity_Start_Time varchar(500),
@Copy_Activity_End_Time varchar(500),
@Execution_Status varchar(500),
@Execution_Status_Code varchar(500),
@Error_Messages varchar(500)
```

100 %

	DataFactoryName	Pipeline_name	RunId	TriggerType	TriggerId	TriggerName	TriggerTime	rowsCopied	RowsRead	No_ParallelCopies	copyDuration_in_sec	effectiveIntegrationTime	Source Type	Sink Type
1	my-demoadf	pl_copy_data_from_asdb_to_abs_with_log	652b52d5b23340fe93e6c6ff13abe111	Manual	c2ad6ea202fa4dc787a862372a600385	Sandbox	2025-01-20 07:51:36.397	6	6	1	12	AutoResolveIntegrationRuntime (East US 2)	Azure SqlDatabase	Azure Blob Storage
2	my-demoadf	pl_copy_data_from_asdb_to_abs_with_log	894ee214-2a11-496c-a247-18071fca2e91	Manual	115e677c5ae94a36a8504a652ea3793	Sandbox	2025-01-20 07:59:24.173	NULL	NULL	1	10	AutoResolveIntegrationRuntime (East US 2)	Azure SqlDatabase	Azure Blob Storage

Query executed successfully.

serversakthi.database.windo... | admindb (75) | demodb | 00:00:00 | 2 rows

Ready

28°C Cloudy

Search

Ln 29 Col 1 Ch 1 INS

ENG IN 13:30 20-01-2025

SQLQuery1.sql - serversakthi.database.windows.net:demodb (admindb (75)) - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

demodb Execute

```
SQLQuery1.sql - se...odb (admindb (75)) *  
    Execution_Status_Code varchar(500) Null,  
    Error_Messages varchar(500) Null  
)  
select * from pipeline_log;  
create proc spPipeline_log  
@DataFactoryName varchar(500),  
@Pipeline_name varchar(500),  
@RunId varchar(500),  
@TriggerType varchar(500),  
@TriggerId varchar(500),  
@TriggerName varchar(500),  
@TriggerTime datetime,  
@rowsCopied varchar(500),  
@RowsRead int,  
@No_ParallelCopies int,  
@copyDuration_in_sec varchar(500),  
@effectiveIntegrationTime varchar(500),  
@SourceType varchar(500),  
@SinkType varchar(500),  
@Copy_Activity_Start_Time varchar(500),  
@Copy_Activity_End_Time varchar(500),  
@Execution_Status varchar(500),  
@Execution_Status_Code varchar(500),  
@Error_Messages varchar(500)
```

100 %

erName	TriggerTime	rowsCopied	RowsRead	No_ParallelCopies	copyDuration_in_sec	effectiveIntegrationTime	Source Type	Sink Type	Copy_Activity_Start_Time	Copy_Activity_End_Time	Execution_Status	Execution_Status_Code	Error_Messages	
1	ibox	2025-01-20 07:51:36.397	6	6	1	12	AutoResolveIntegrationRuntime (East US 2)	AzureSqlDatabase	AzureBlobStorage	2025-01-20T07:51:38.1936654Z	2025-01-20T07:51:51.8034663Z	Succeeded	200	"No Error"
2	ibox	2025-01-20 07:59:24.173	NULL	NULL	1	10	AutoResolveIntegrationRuntime (East US 2)	AzureSqlDatabase	AzureBlobStorage	2025-01-20T07:59:25.5828968Z	2025-01-20T07:59:37.9164901Z	Failed	400	Failure happened on 'Source' side. 'Type=Micros...

Query executed successfully.

serversakthi.database.windo... admindb (75) demodb 00:00:00 2 rows

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SQLQuery1.sql - serversakthi.database.windows.net:demodb (admindb (75)) - Microsoft SQL Server Management Studio

File Edit View Query Project Tools Window Help

demodb Execute

```
SQLQuery1.sql - se...odb (admindb (75)) *  
    Execution_Status_Code varchar(500) Null,  
    Error_Messages varchar(500) Null  
)  
  
select * from pipeline_log;  
  
create proc spPipeline_log  
@DataFactoryName varchar(500),  
@Pipeline_name varchar(500),  
@RunId varchar(500),  
@TriggerType varchar(500),  
@TriggerId varchar(500),  
@TriggerName varchar(500),  
@TriggerTime datetime,  
@rowsCopied varchar(500),  
@RowsRead int,  
@No_ParallelCopies int,  
@copyDuration_in_sec varchar(500),  
@effectiveIntegrationTime varchar(500),  
@SourceType varchar(500),  
@SinkType varchar(500),  
@Copy_Activity_Start_Time varchar(500),  
@Copy_Activity_End_Time varchar(500),  
@Execution_Status varchar(500),  
@Execution_Status_Code varchar(500),  
@Error_Messages varchar(500)
```

100 %

	erName	TriggerTime	rowsCopied	RowsRead	No_ParallelCopies	copyDuration_in_sec	effectiveIntegrationTime	Source Type	Sink Type	Copy_Activity_Start_Time	Copy_Activity_End_Time	Execution_Status	Execution_Status_Code	Error_Messages
1	lbox	2025-01-20 07:51:36.397	6	6	1	12	AutoResolveIntegrationRuntime (East US 2)	AzureSqlDatabase	AzureBlobStorage	2025-01-20T07:51:38.1936654Z	2025-01-20T07:51:51.8034663Z	Succeeded	200	"No Error"
2	lbox	2025-01-20 07:59:24.173	NULL	NULL	1	10	AutoResolveIntegrationRuntime (East US 2)	AzureSqlDatabase	AzureBlobStorage	2025-01-20T07:59:25.5828968Z	2025-01-20T07:59:37.9164901Z	Failed	400	Failure happened on 'Source' side. 'Type=Micros...

Query executed successfully.

serversakthi.database.windo... admindb (75) demodb 00:00:00 2 rows

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