

Microsoft Azure

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Copilot

azuser2373_mml.local@...
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Home >

Azure Synapse Analytics

Techademy Learning Solutions Private Limited (techademy.com)


+ Create Manage view Refresh Export to CSV Open query Assign tags

Filter for any field... Subscription equals all Resource group equals all Location equals all Add filter

Showing 0 to 0 of 0 records.

No grouping List view

Name Type Resource group Location Subscription



No Azure Synapse Analytics to display

Synapse Analytics is a fully-managed service to build modern data warehouses for enterprises. Synapse Analytics brings together SQL, Apache Spark, Orchestration, and Ingestion into a single workspace, dramatically reducing the time to build an analytics solution.

[Create Synapse workspace](#)

[Service overview](#)

Microsoft Azure

Search resources, services, and docs (G+/)

Home > Azure Synapse Analytics >

Create Synapse workspace

Project details

Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all of your resources.

Subscription * ⓘ MML Learners

Resource group * ⓘ rg-azuser2373_mml.local-HSEqX

[Create new](#)

Managed resource group ⓘ Enter managed resource group name

Workspace details

Name your workspace, select a location, and choose a primary Data Lake Storage Gen2 file system to serve as the default location for logs and job output.

Workspace name * hexavsazsynapse ✓

Region * West US 2

Select Data Lake Storage Gen2 * ⓘ ☒ From subscription ☐ Manually via URL

Account name * ⓘ realestatehexa

[Create new](#)

File system name * handson

[Create new](#)

[Review + create](#) [< Previous](#) [Next: Security >](#)

Home > Azure Synapse Analytics >

Create Synapse workspace ...

✓ Validation succeeded

By clicking Create, I (a) agree to the legal terms and privacy statement(s) associated with the marketplace offering(s) listed above; (b) authorize Microsoft to bill my current payment method for the fees associated with the offering(s), with the same billing frequency as my Azure subscription; and (c) agree that Microsoft may share my contact, usage and transactional information with the provider(s) of the offering(s) for support, billing and other transactional activities. Microsoft does not provide rights for third-party offerings. For additional details see [Azure Marketplace Terms](#). ↗

Basics

Subscription	MML Learners
Resource group	rg-azuser2373_mml.local-HSEqX
Region	West US 2
Workspace name	(new) hexavsazsynapse
Data Lake Storage Gen2 account	https://realestatehexa.dfs.core.windows.net
Data Lake Storage Gen2 file system	handson
Managed resource group	None

Security

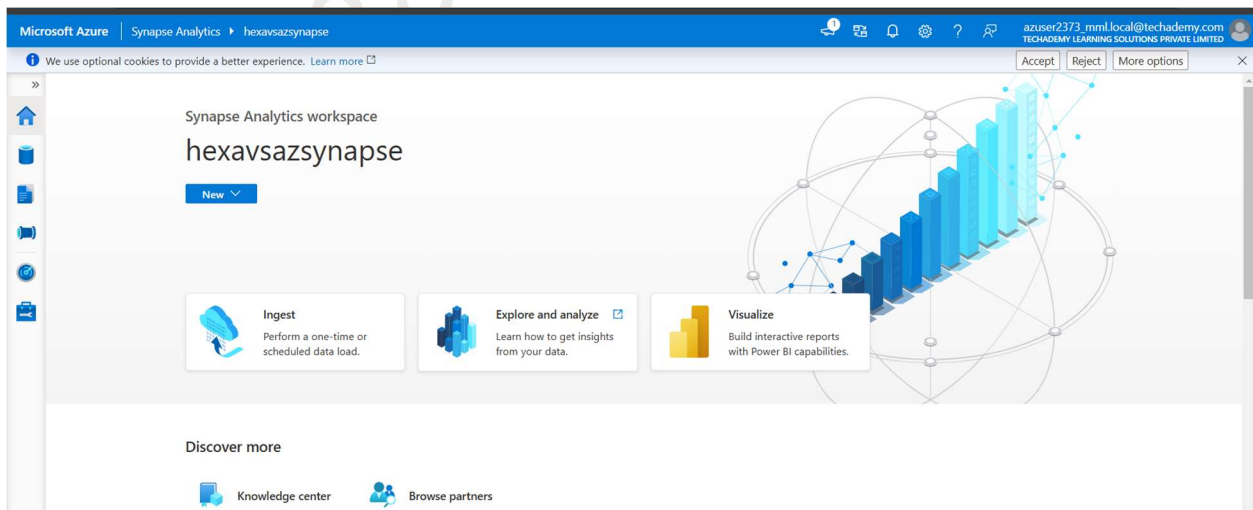
Authentication method	Use both local and Microsoft Entra ID authentication
SQL Server admin login	sqladminuser
SQL Password	*****
Double encryption	No

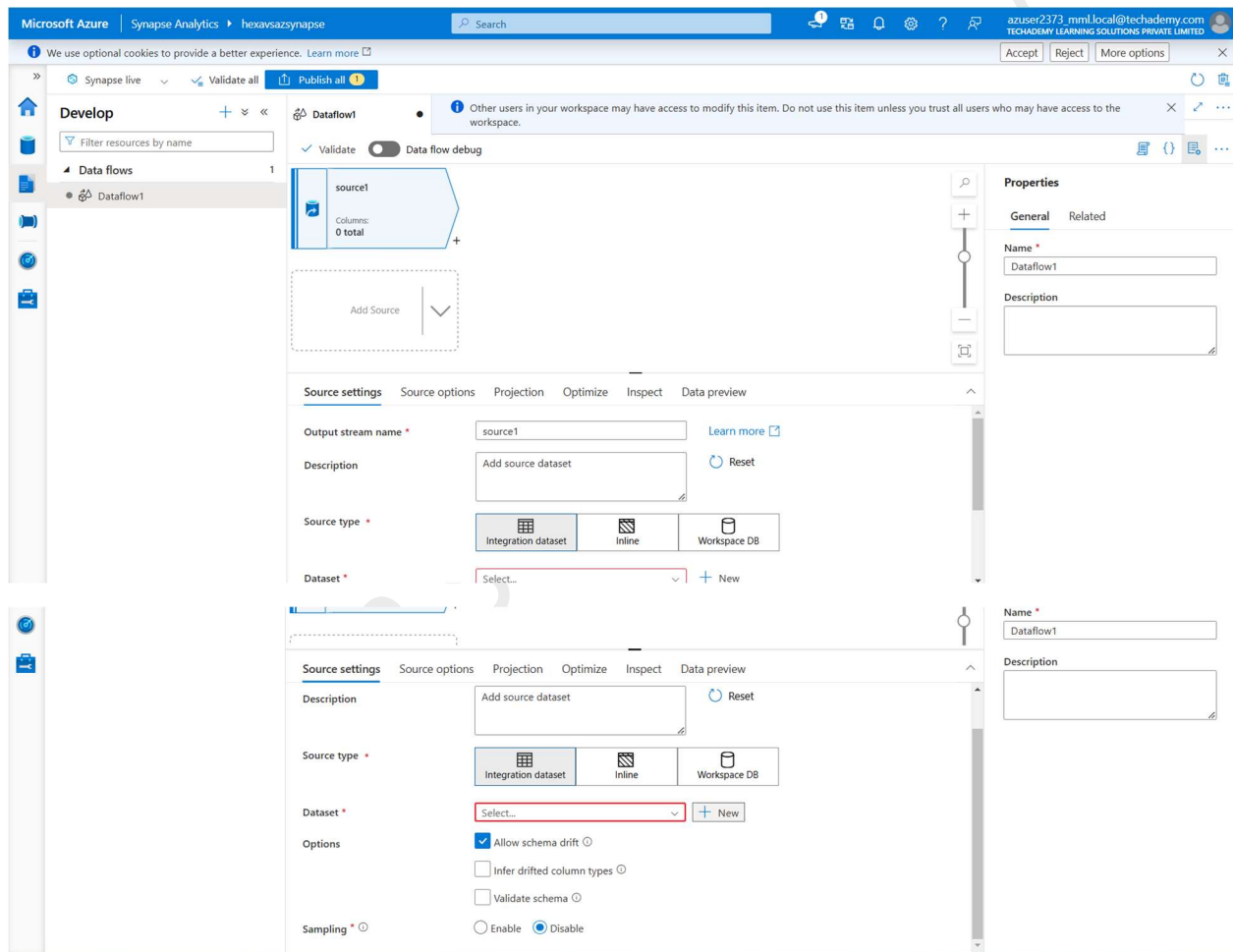
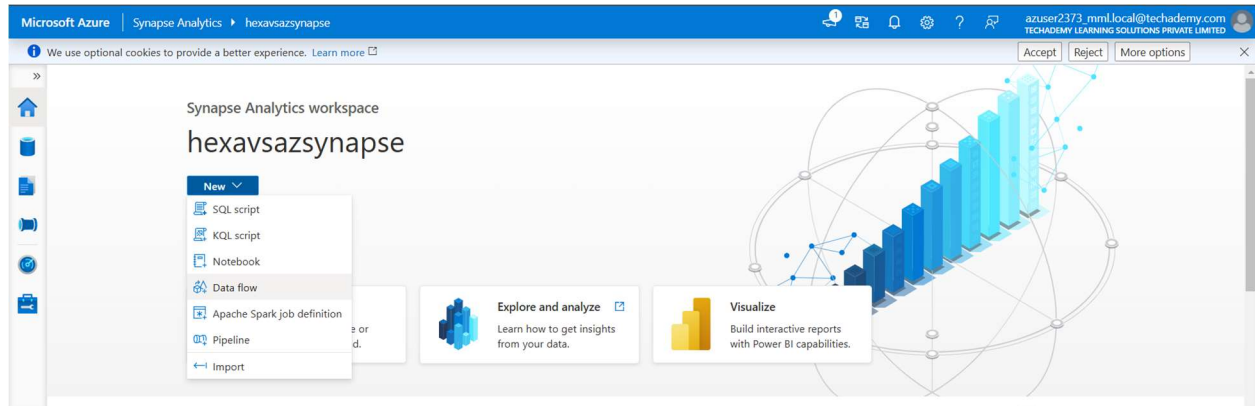
Create

< Previous

Next >

Download a template for automation





The image displays three sequential screenshots of the Microsoft Azure Synapse Analytics web interface, illustrating the process of creating a new integration dataset.

Top Screenshot: New integration dataset
 The interface shows the 'Develop' tab with a data flow named 'Dataflow1'. On the right, the 'New integration dataset' pane is open. It prompts the user to 'Select a data store' from a list of options including Amazon S3, Azure Blob Storage, Azure Cosmos DB for NoSQL, Azure Data Explorer (Kusto), Azure Data Lake Storage Gen2, and Azure Database for MySQL. The 'All' category is selected.

Middle Screenshot: Select format
 After selecting a data store, the 'Select format' pane is shown. It asks the user to 'Choose the format type of your data' from a grid of options: Avro, DelimitedText, Excel, JSON, ORC, Parquet, XML, and Binary. The 'DelimitedText' format is highlighted.

Bottom Screenshot: Set properties
 The 'Set properties' pane is displayed, showing the 'Name' field set to 'DelimitedText1'. Below it, the 'Linked service' dropdown is open, showing a list of available services and a search filter. A '+ New' button is visible at the bottom right of the pane.

DATA ENGINEERING DEVOPS

This screenshot shows the 'New linked service' dialog in the Microsoft Azure Synapse Analytics environment. The dialog is for creating a new linked service of type 'Azure Blob Storage'. The 'Name' field is set to 'AzureBlobStorage1'. The 'Description' field is empty. The 'Connect via integration runtime' is set to 'AutoResolveIntegrationRuntime'. The 'Authentication type' is set to 'Account key'. The 'Account selection method' is set to 'From Azure subscription', and the 'Azure subscription' is set to 'MML Learners (2a3c6418-97b9-4d96-a24b-2c2d7633d375)'. The 'Storage account name' is set to 'azdeblobvsp'. The 'Create' button is visible at the bottom.

This screenshot shows the 'Set properties' dialog for the 'DelimitedText1' linked service. The 'Name' field is set to 'DelimitedText1'. The 'Linked service' is set to 'AzureBlobStorage1'. The 'Connect via integration runtime' is set to 'AutoResolveIntegrationRuntime'. The 'File path' is set to 'cont1 / Directory / sales.csv'. The 'First row as header' checkbox is checked. The 'Import schema' is set to 'From connection/store'. The 'Advanced' section is expanded, showing 'OK', 'Back', and 'Cancel' buttons.

This screenshot shows the 'Source settings' tab for the 'DelimitedText3' dataset. The 'Description' field is set to 'Import data from DelimitedText3'. The 'Source type' is set to 'Integration dataset'. The 'Dataset' is set to 'DelimitedText3'. The 'Options' section includes checkboxes for 'Allow schema drift' (checked), 'Infer drifted column types' (checked), and 'Validate schema' (unchecked). The 'Reset' button is visible in the top right corner.

Microsoft Azure | Synapse Analytics | hexavsp

Develop

Data flows

Dataflow1

source1

Columns: 11 total

Add Source

Properties

General

Name * Dataflow1

Description

Microsoft Azure | Synapse Analytics | hexavsp

Develop

Data flows

Dataflow1

source1

Columns: 11 total

Add Source

Multiple inputs/outputs

Join

Conditional Split

Exists

Union

Lookup

Schema modifier

Derived Column

Select

Aggregate

Surrogate Key

Pivot

Unpivot

Data preview

Type

abc	string
abc	string
abc	string
abc	string
abc	string

Properties

General

Name * Dataflow1

Description

Microsoft Azure | Synapse Analytics | hexavsp

Develop

Data flows

Dataflow1

source1

Import data from DelimitedText1

aggregate1

Columns: 2 total

Aggregate settings

Incoming stream * source1

Group by Aggregates

Columns

abc	Country
abc <td>Country</td>	Country
abc <td>Customer_Gender</td>	Customer_Gender
abc <td>Country</td>	Country
abc <td>State</td>	State

Name as

Country

Properties

General

Name * Dataflow1

Description

Microsoft Azure | Synapse Analytics | hexavsp

Develop

Filter resources by name

Data flows

Dataflow1

Validate Data flow debug

source1

Import data from DelimitedText1

aggregate1

Columns: 2 total

Aggregate settings Optimize Inspect Data preview

Output stream name * aggregate1

Description Add aggregate columns

Incoming stream * source1

Group by Aggregates

Columns Name as

Columns	Name as
abc Country	Country
abc Customer_Gender	Customer_Gender

Properties

General Related

Name * Dataflow1

Description

Microsoft Azure | Synapse Analytics | hexavsp

Develop

Filter resources by name

Data flows

Dataflow1

Validate Data flow debug

source1

Import data from DelimitedText1

aggregate1

Columns: 5 total

Aggregate settings Optimize Inspect Data preview

Incoming stream * source1

Group by Aggregates

Grouped Order_Quantity

+ Add

- Unit_Cost
- Unit_Price
- Profit
- Cost
- Revenue
- column1

Expression

Enter expression... ANY +

Enter expression... ANY +

Enter expression... ANY +

Properties

General Related

Name * Dataflow1

Description

Microsoft Azure | Synapse Analytics | hexavsp

Develop

Data flows

Dataflow1

source1

Import data from DelimitedText1

aggregate1

Columns: 4 total

Aggregate settings

Optimize

Inspect

Data preview

Customer_Gender producing columns Profit, Revenue

Incoming stream *

source1

Group by

Aggregates

Grouped by: Country, Customer_Gender

+ Add

Clone

Delete

Open expression builder

Column

Expression

Profit

Revenue

Properties

General

Related

Name *

Dataflow1

Description

Microsoft Azure | Synapse Analytics | hexavsp

Develop

Data flows

Dataflow1

source1

Import data from DelimitedText1

aggregate1

Columns: 4 total

sink1

Columns: 4 total

Sink

Settings

Errors

Mapping

Optimize

Inspect

Data preview

Output stream name *

sink1

Description

Add sink dataset

Incoming stream *

aggregate1

Sink type *

Integration dataset

Inline

Worksp

Dataset *

Select...

Options

Allow schema drift

Validate schema

Set properties

Name

DelimitedText2

Linked service *

AzureBlobStorage1

Connect via integration runtime *

AutoResolveIntegrationRuntime

File path

cont2

Directory

File name

First row as header

Import schema

From connection/store

From sample file

None

Advanced

OK

Back

Cancel

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Dataflow expression builder

Expression reference documentation

aggregate1

Aggregate Columns

+ Create new

123 Profit

123 Revenue

Column name *

Profit

Expression

avg(1)

Save

Expression elements

All

Functions

Input schema

Parameters

Cached lookup

Data flow library functions

Locals

Expression values

Filter by keyword

+ Create new

abc Date

abc Customer_Age

abc Customer_Gender

abc Country

abc State

Save and finish Cancel Clear contents

source1

Import data from DelimitedText3

aggregate1

Columns: 4 total

sink1

Export data to DelimitedText2

Aggregate settings Optimize Inspect Data preview

Customer_Gender' producing columns 'Profit, Revenue'

Incoming stream *

source1

Group by Aggregates

Grouped by: Country, Customer_Gender

+ Add Clone Delete Open expression builder

Column	Expression
Profit	avg(Profit) 1.2
Revenue	mean(Revenue) 1.2

The screenshot shows the Microsoft Azure Synapse Analytics interface. The top navigation bar includes 'Microsoft Azure', 'Synapse Analytics', and 'hexavsp'. A search bar is present. The left sidebar shows the 'Develop' environment with 'Data flows' and 'Dataflow1' selected. The main workspace displays a data flow diagram with 'source1' (Import data from DelimitedText1) and 'aggregate1' (Columns: 4 total). The 'Aggregate settings' panel is open, showing 'Customer_Gender' producing columns 'Profit, Revenue'. The 'Properties' panel on the right shows 'Name: Dataflow1' and 'Description'. A 'Data flow validation output' dialog box is open on the right, displaying a green checkmark and the message: 'Your data flow has been validated. No errors were found.' The dialog has 'Accept', 'Reject', and 'More options' buttons.

The screenshot shows the Microsoft Azure Synapse Analytics interface. The top navigation bar includes 'Microsoft Azure', 'Synapse Analytics', and 'hexavsp'. The left sidebar shows the 'Develop' environment with 'Data flows' and 'Dataflow1' selected. The main workspace displays a data flow diagram with 'source1' (Import data from DelimitedText1), 'aggregate1' (Columns: 4 total), and 'sink1' (Export data to). The 'Aggregate settings' panel is open, showing 'Customer_Gender' producing columns 'Profit, Revenue'. The 'Publish all' dialog box is open on the right, displaying the message: 'You are about to publish all pending changes to the live environment. Learn more'. Below the message is a table titled 'Pending changes (3)'. The table has three columns: 'NAME', 'CHANGE', and 'EXISTING'. The table lists three items: 'DelimitedText1' (New), 'DelimitedText2' (New), and 'Dataflow1' (New). The 'Publish' button is visible at the bottom of the dialog.

NAME	CHANGE	EXISTING
DelimitedText1	(New)	-
DelimitedText2	(New)	-
Dataflow1	(New)	-

The screenshot shows the Microsoft Azure Synapse Analytics interface. The top navigation bar includes 'Microsoft Azure', 'Synapse Analytics', and 'hexavsp'. The left sidebar shows the 'Develop' environment with 'Data flows' and 'Dataflow1' selected. The main workspace displays a data flow diagram with 'source1' (Import data from DelimitedText1), 'aggregate1' (Columns: 4 total), and 'sink1' (Export data to). The 'Publishing' dialog box is open on the right, displaying the message: 'Deploying changes to the workspace'. The dialog has 'Accept', 'Reject', and 'More options' buttons.

DATA ENGINEERING DEVOPS

Microsoft Azure | Synapse Analytics | hexavsp

Develop

Filter resources by name

Data flows

Dataflow1

source1

aggregate1

sink1

Import data from DelimitedText1

Aggregating data by 'Country, Customer, Gender' producing columns 'Profit, Revenue'

Columns: 4 total

Sink Settings Errors Mapping Optimize Inspect Data preview

Please turn on debug mode and wait until the cluster is ready to preview data...

Turn on data flow debug

Integration runtime

AutoResolveIntegrationRuntime

Region AutoResolve

Compute size Small

Debug time to live 1 hour

OK Cancel

Microsoft Azure | Synapse Analytics | hexavsp

Develop

Filter resources by name

Data flows

Dataflow1

source1

aggregate1

sink1

Import data from DelimitedText1

Aggregating data by 'Country, Customer, Gender' producing columns 'Profit, Revenue'

Columns: 4 total

Sink Settings Errors Mapping Optimize Inspect Data preview

Please wait while the debug session starts...

Data flow debug

Getting the cluster ready.

Properties

General Related

Name * Dataflow1

Description

Microsoft Azure | Synapse Analytics | hexavsp

Develop

Filter resources by name

Data flows

Dataflow1

Dataflow1_copy1

source1

aggregate1

sink1

Import data from DelimitedText3

Aggregating data by 'Country, Customer, Gender' producing columns 'Profit, Revenue'

Columns: 4 total

Sink Settings Errors Mapping Optimize Inspect Data preview

Number of rows

INSERT N/A UPDATE N/A DELETE N/A UPSERT N/A LOOKUP N/A ERROR N/A TOTAL N/A

Refresh

Statistics

Export to CSV

Country	Customer_Gender	Profit	Revenue
Canada	M	319.8888888888889	514.8888888888889
Australia	M	899.0	1649.0
Australia	F	271.6666666666667	504.1666666666667

No items to show

This dataflow is not referenced by other resources in this workspace