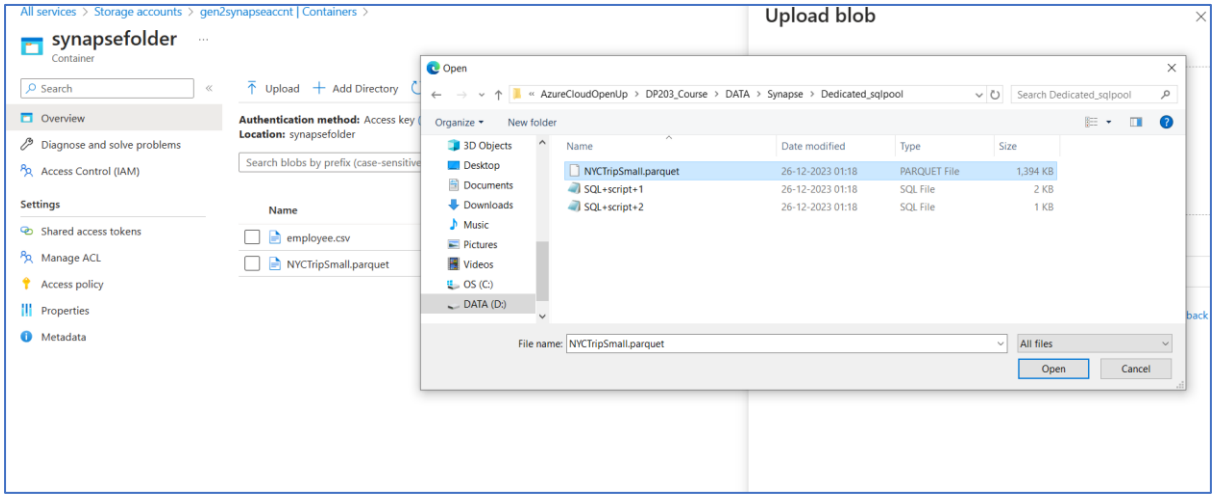
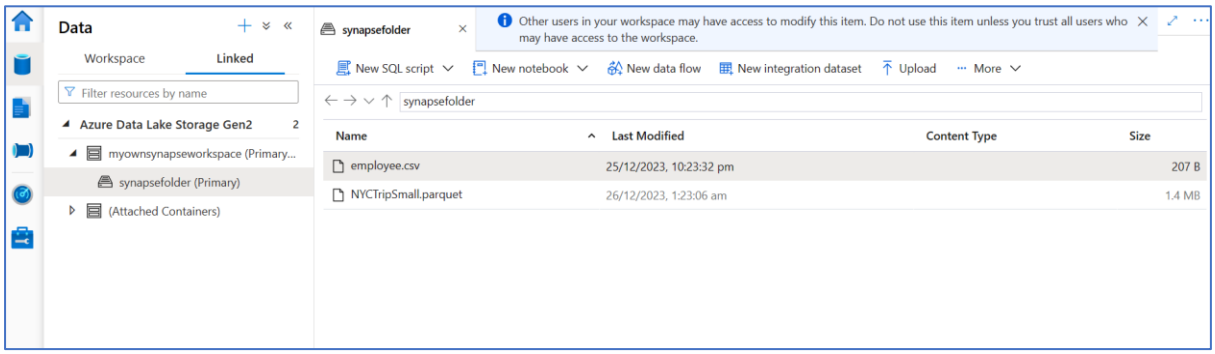
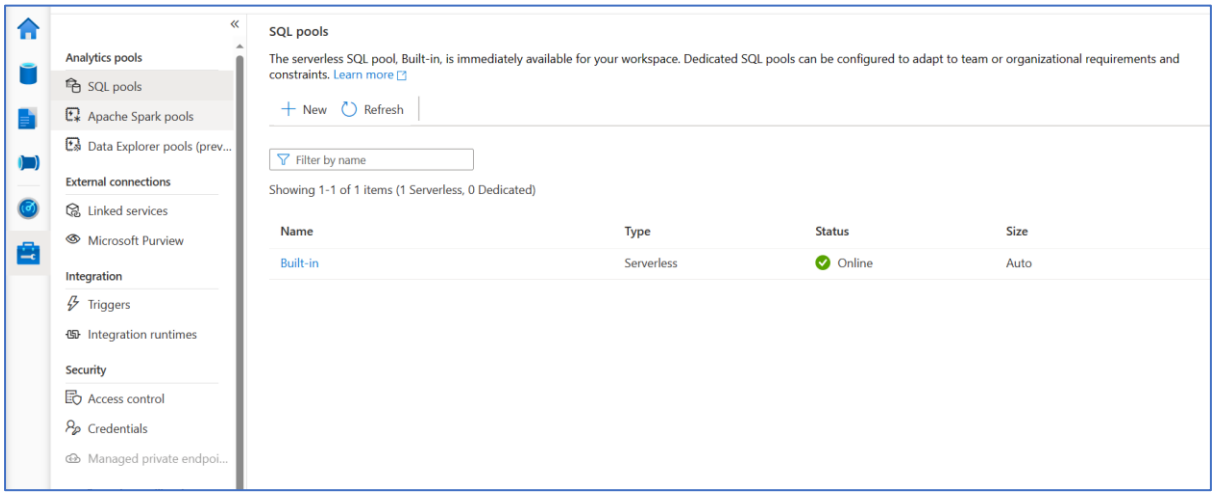
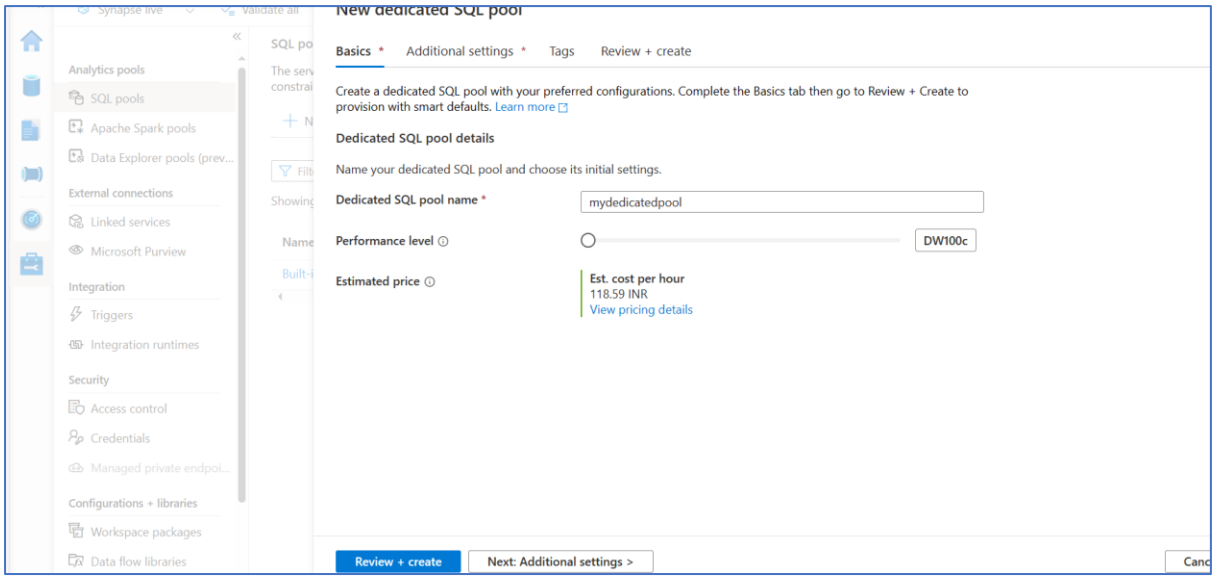
Creating Azure Synapse Analytics Dedicated SQL server

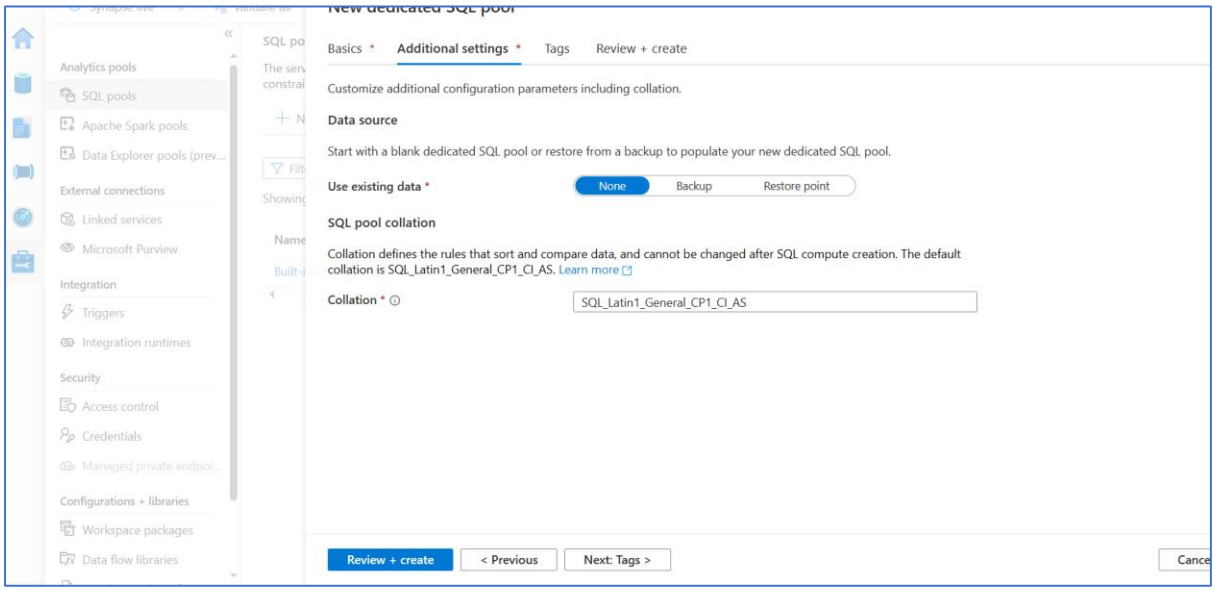
Steps -

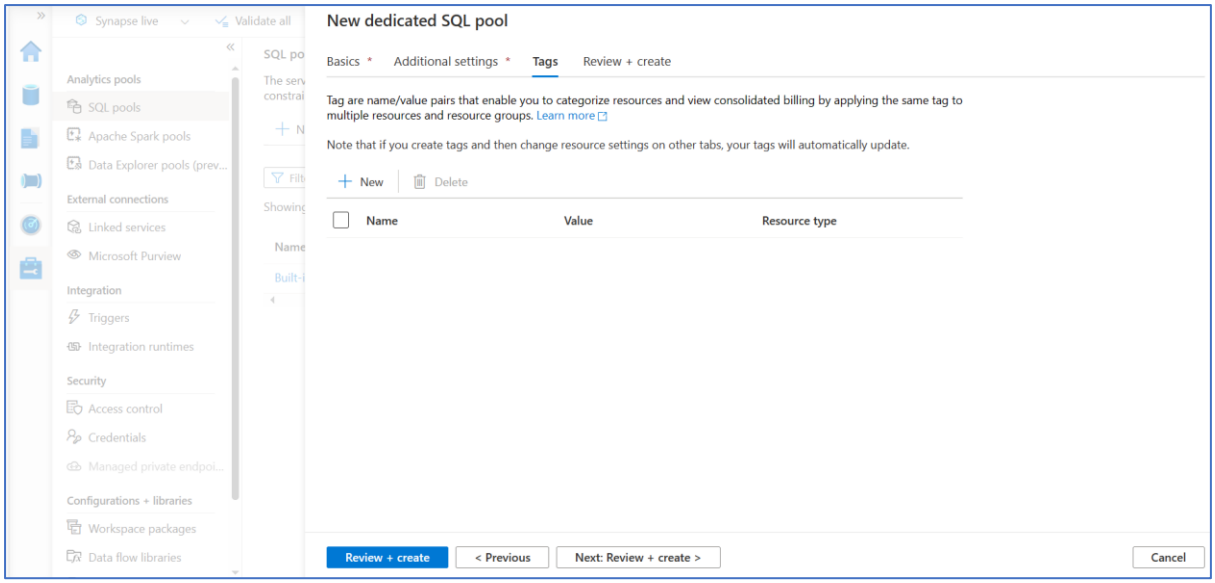


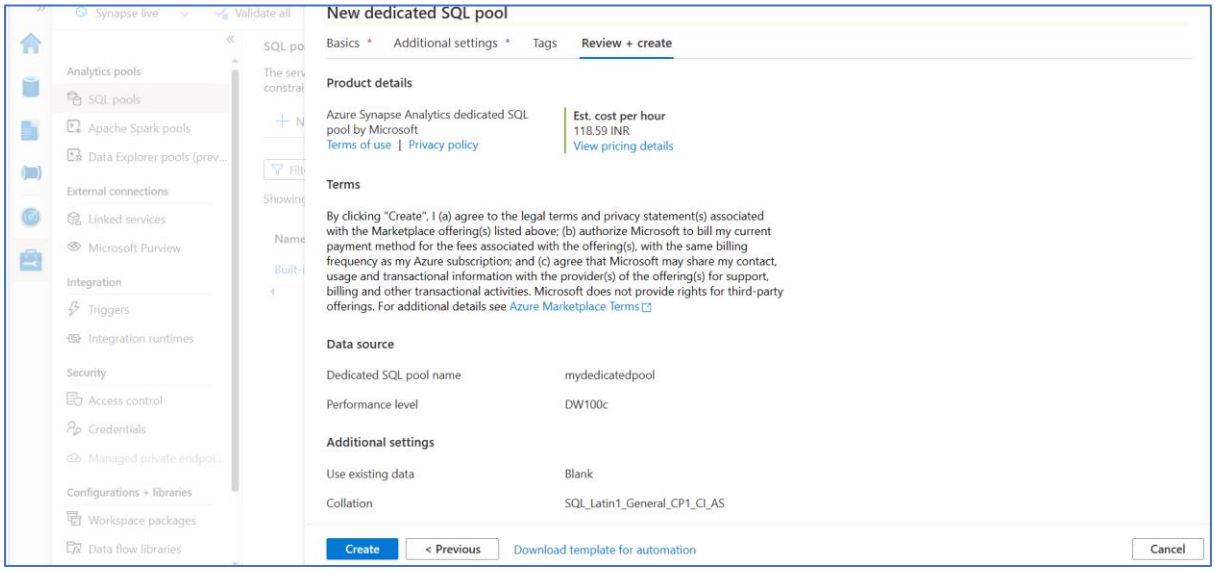


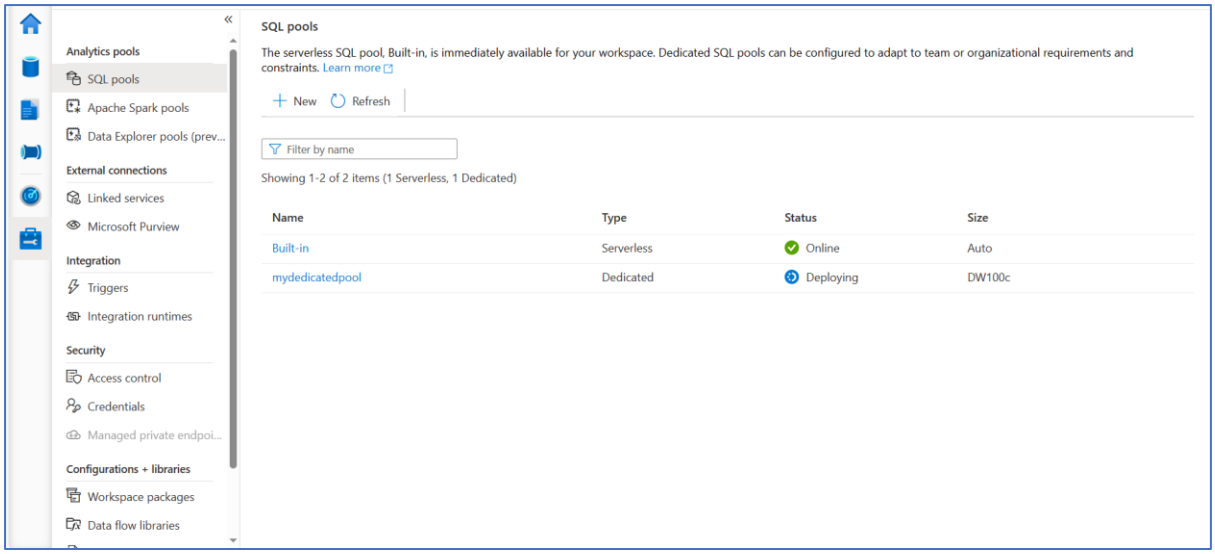


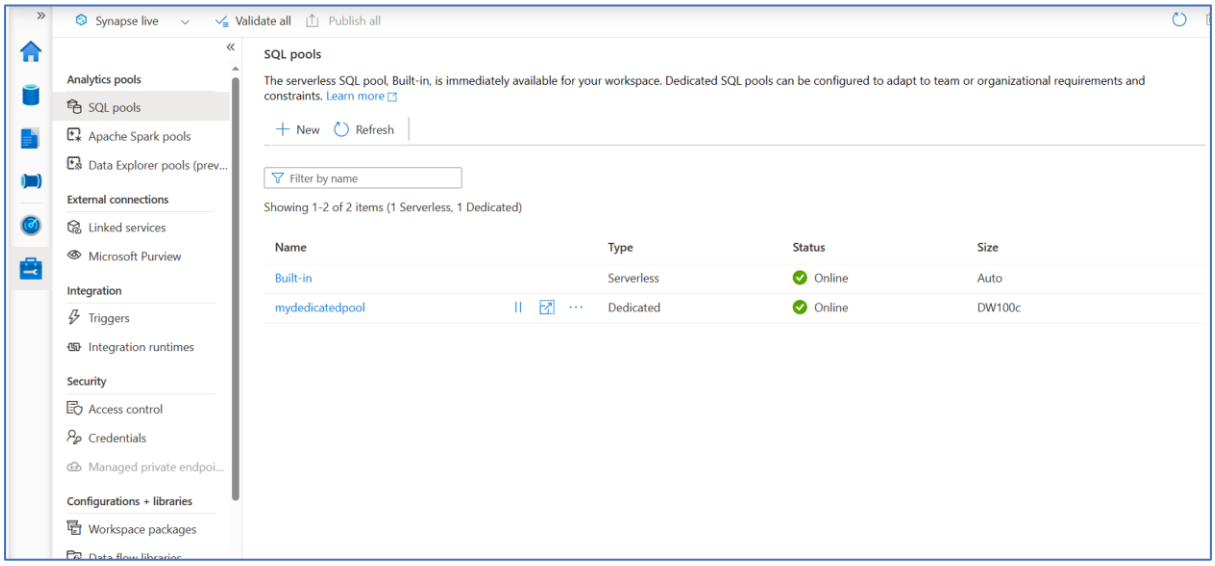

New dedicated SQL pool
Basics *
Additional settings *
Tags
Review + create
Create a dedicated SQL pool with your preferred configurations. Complete the Basics tab then go to Review + Create to provision with smart defaults. Learn more
Dedicated SQL pool details
Name your dedicated SQL pool and choose its initial settings.
Dedicated SQL pool name *
mydedicatedpool
Performance level
DW100c
Estimated price
Est. cost per hour
118.59 INR
View pricing details
Review + create
Next: Additional settings >
Analytics pools
SQL pools
Apache Spark pools
Data Explorer pools (prev...
External connections
Linked services
Microsoft Purview
Integration
Triggers
Integration runtimes
Security
Access control
Credentials
Managed private endpoi...
Configurations + libraries
Workspace packages
Data flow libraries

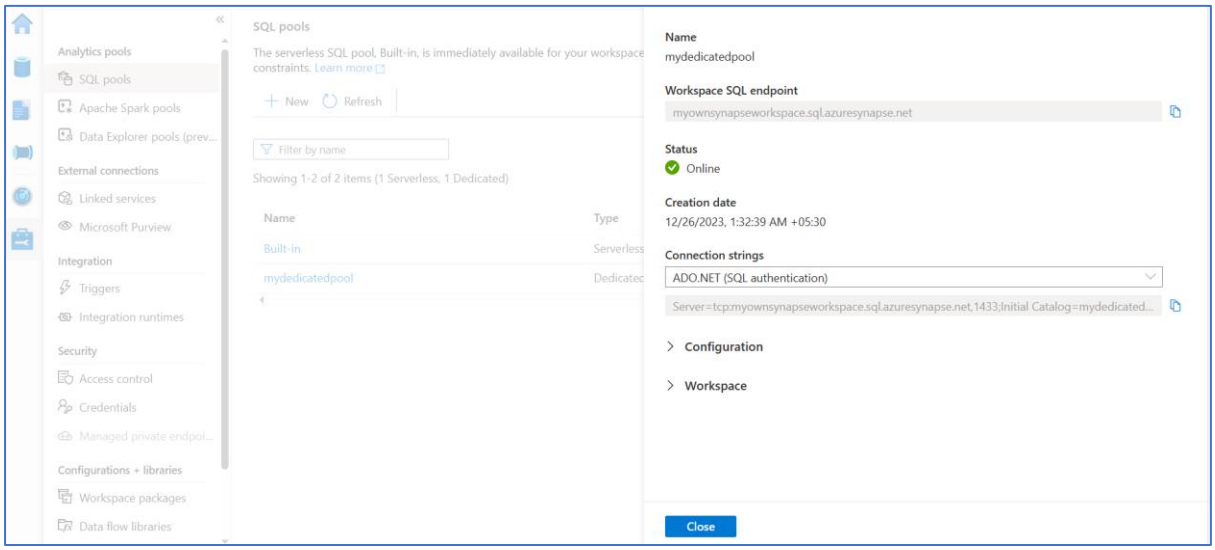

Basics *
Additional settings *
Tags
Review + create
Customize additional configuration parameters including collation.
Data source
Start with a blank dedicated SQL pool or restore from a backup to populate your new dedicated SQL pool.
Use existing data *
None
Backup
Restore point
SQL pool collation
Collation defines the rules that sort and compare data, and cannot be changed after SQL compute creation. The default collation is SQL_Latin1_General_CP1_CI_AS. Learn more
Collation *
SQL_Latin1_General_CP1_CI_AS
Review + create
< Previous
Next: Tags >
Analytics pools
SQL pools
Apache Spark pools
Data Explorer pools (prev...
External connections
Linked services
Microsoft Purview
Integration
Triggers
Integration runtimes
Security
Access control
Credentials
Managed private endpoi...
Configurations + libraries
Workspace packages
Data flow libraries

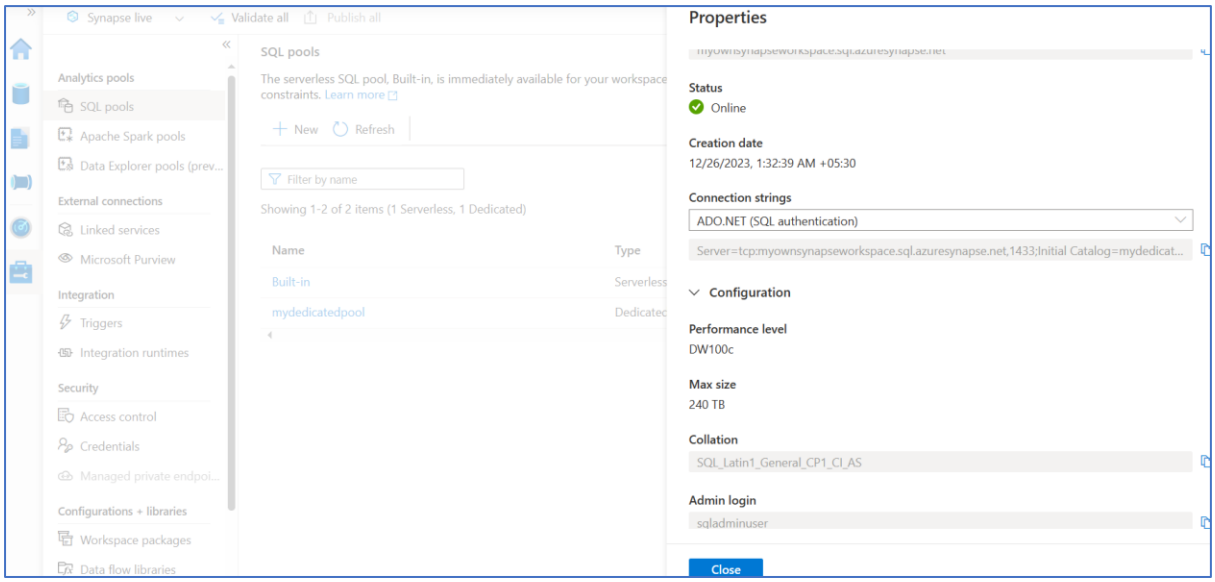

Synapse live
Validate all
Analytics pools
SQL pools
Apache Spark pools
Data Explorer pools (prev...
External connections
Linked services
Microsoft Purview
Integration
Triggers
Integration runtimes
Security
Access control
Credentials
Managed private endpoi...
Configurations + libraries
Workspace packages
Data flow libraries
New dedicated SQL pool
Basics *
Additional settings *
Tags
Review + create
Tag are name/value pairs that enable you to categorize resources and view consolidated billing by applying the same tag to multiple resources and resource groups. Learn more
Note that if you create tags and then change resource settings on other tabs, your tags will automatically update.
New
Delete
Name
Value
Resource type
Review + create
< Previous
Next: Review + create >
Cancel

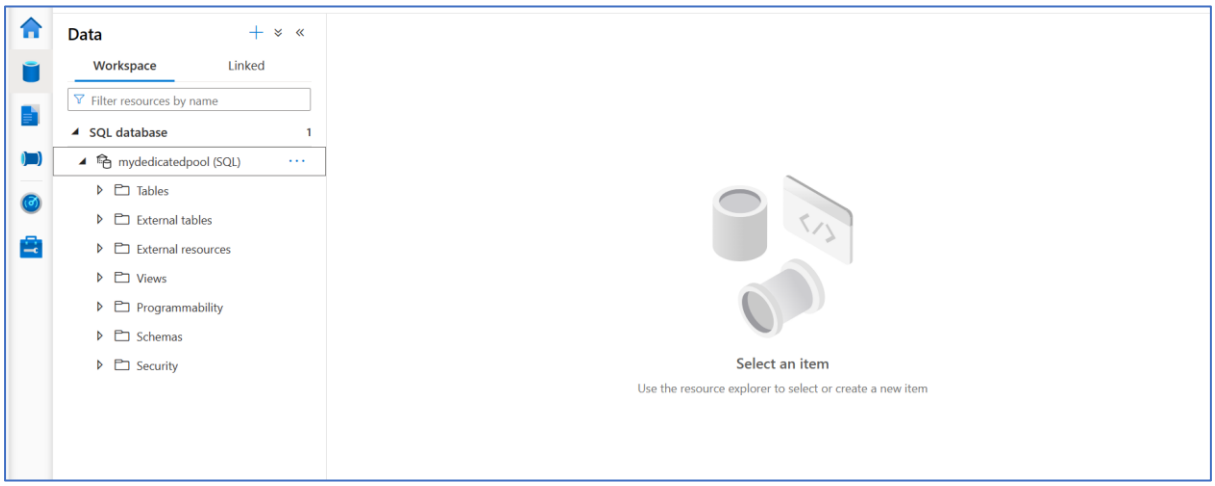

Synapse live
Validate all
Analytics pools
SQL pools
Apache Spark pools
Data Explorer pools (prev...
External connections
Linked services
Microsoft Purview
Integration
Triggers
Integration runtimes
Security
Access control
Credentials
Managed private endpoi...
Configurations + libraries
Workspace packages
Data flow libraries
New dedicated SQL pool
Basics *
Additional settings *
Tags
Review + create
Product details
Azure Synapse Analytics dedicated SQL pool by Microsoft
Terms of use | Privacy policy
Est. cost per hour
118.59 INR
View pricing details
Terms
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
Data source
Dedicated SQL pool name
mydedicatedpool
Performance level
DW100c
Additional settings
Use existing data
Blank
Collation
SQL_Latin1_General_CP1_CI_AS
Create
< Previous
Download template for automation
Cancel

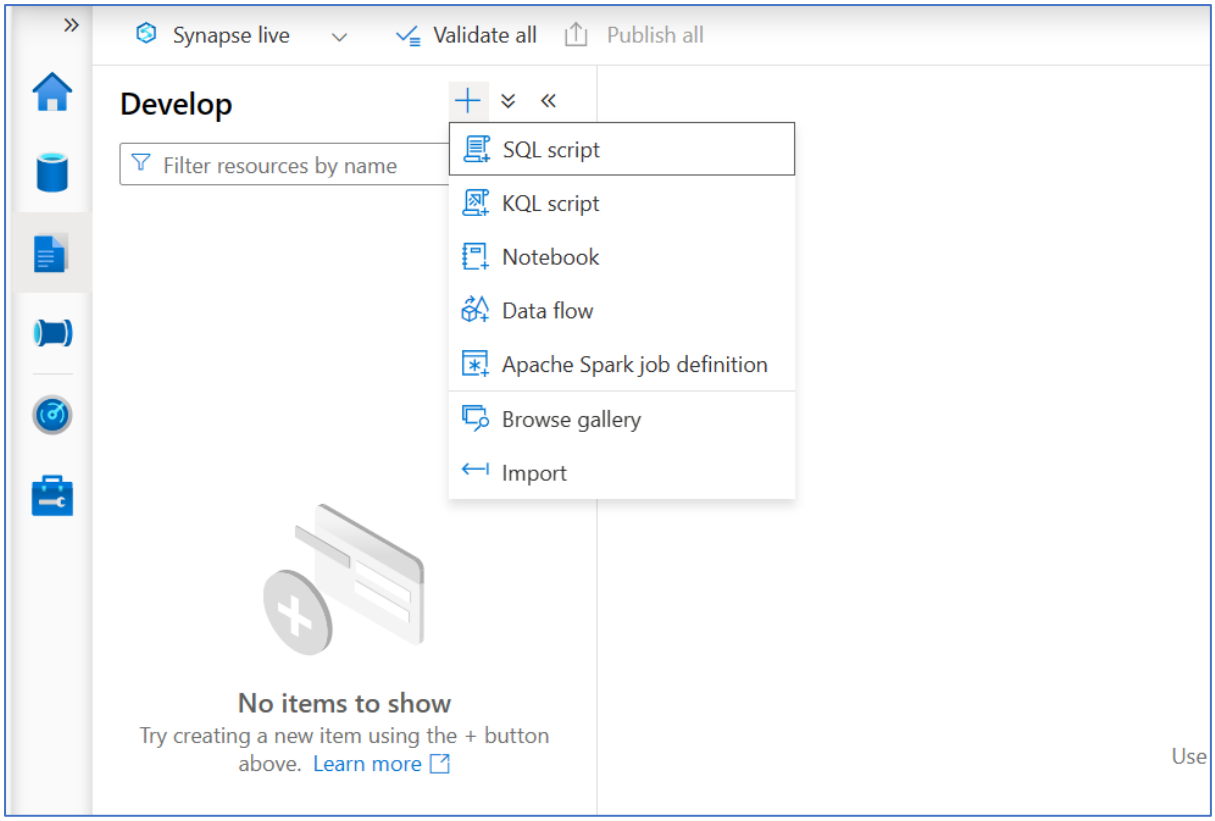

SQL pools
The serverless SQL pool, Built-in, is immediately available for your workspace. Dedicated SQL pools can be configured to adapt to team or organizational requirements and constraints. Learn more
New
Refresh
Filter by name
Showing 1-2 of 2 items (1 Serverless, 1 Dedicated)
Name
Type
Status
Size
Built-in
Serverless
Online
Auto
mydedicatedpool
Dedicated
Deploying
DW100c
Analytics pools
SQL pools
Apache Spark pools
Data Explorer pools (prev...
External connections
Linked services
Microsoft Purview
Integration
Triggers
Integration runtimes
Security
Access control
Credentials
Managed private endpoi...
Configurations + libraries
Workspace packages
Data flow libraries

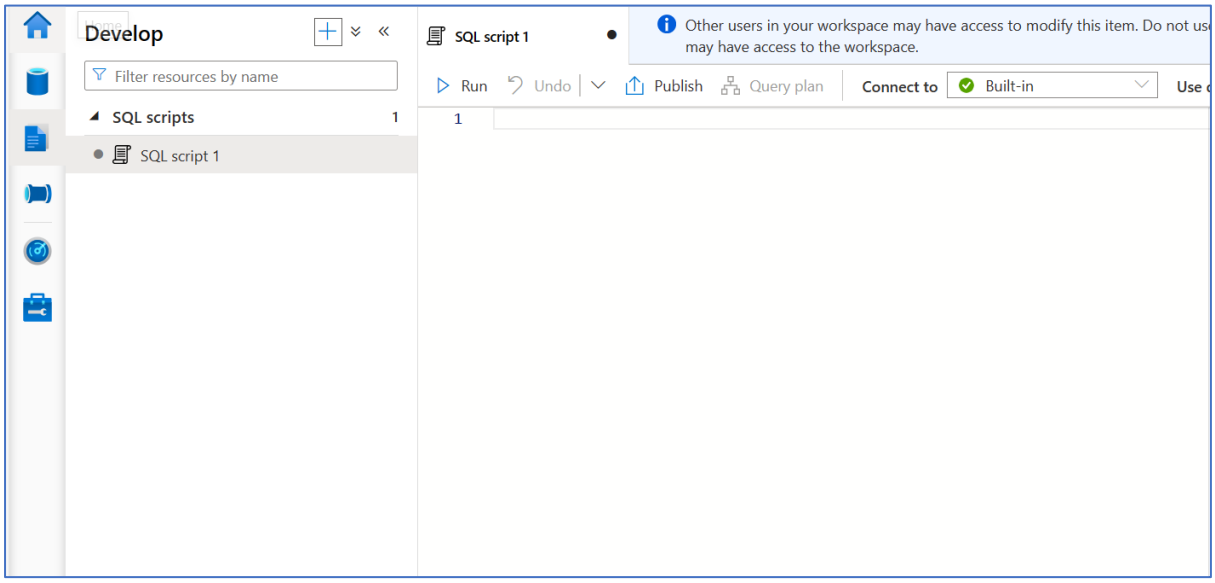

Synapse live
Validate all
Publish all
SQL pools
The serverless SQL pool, Built-in, is immediately available for your workspace. Dedicated SQL pools can be configured to adapt to team or organizational requirements and constraints. Learn more
New
Refresh
Filter by name
Showing 1-2 of 2 items (1 Serverless, 1 Dedicated)
Name
Type
Status
Size
Built-in
Serverless
Online
Auto
mydedicatedpool
Dedicated
Online
DW100c
Analytics pools
SQL pools
Apache Spark pools
Data Explorer pools (prev...
External connections
Linked services
Microsoft Purview
Integration
Triggers
Integration runtimes
Security
Access control
Credentials
Managed private endpoi...
Configurations + libraries
Workspace packages

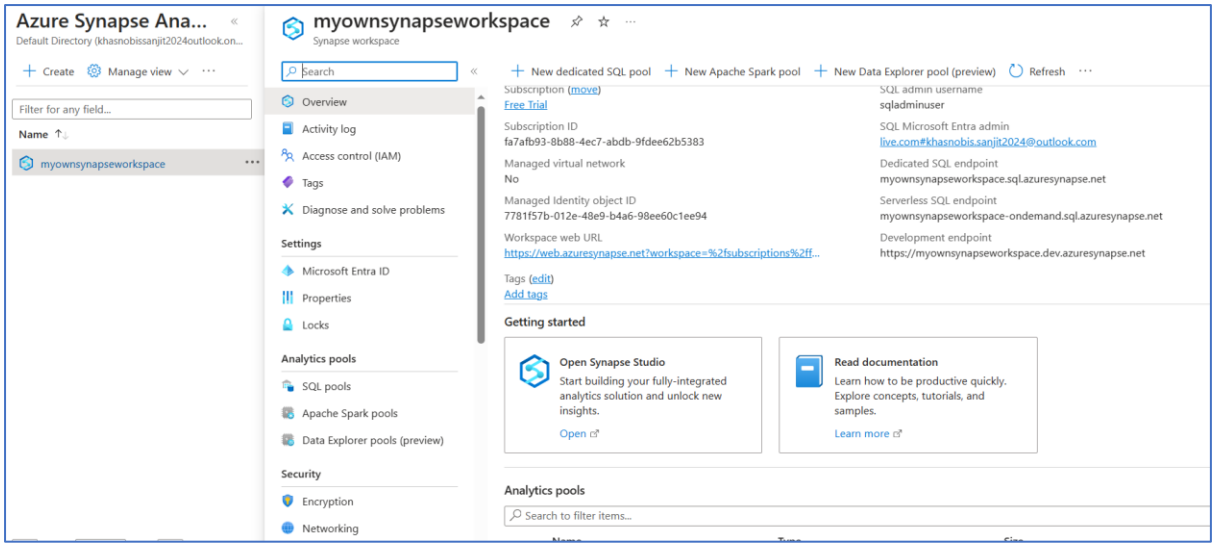

SQL pools
Name
mydedicatedpool
Workspace SQL endpoint
myownsynapseworkspace.sql.azuresynapse.net
Status
Online
Creation date
12/26/2023, 1:32:39 AM +05:30
Connection strings
ADO.NET (SQL authentication)
Server=tcp:myownsynapseworkspace.sql.azuresynapse.net,1433;Initial Catalog=mydedicated...
Configuration
Workspace
Close

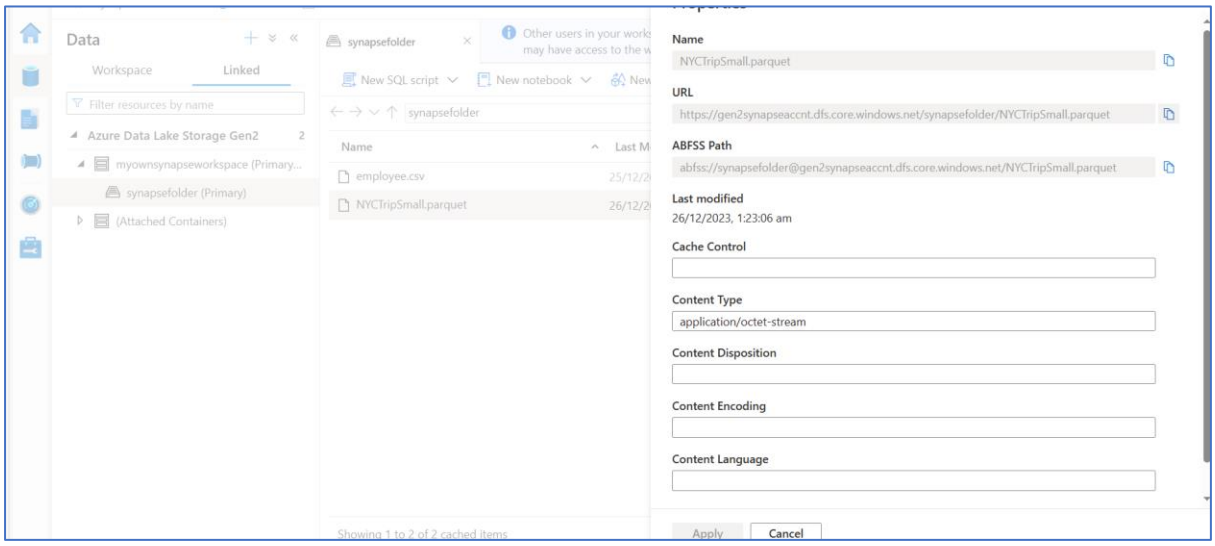

Synapse live
Validate all
Publish all
Analytics pools
SQL pools
Apache Spark pools
Data Explorer pools (prev...
External connections
Linked services
Microsoft Purview
Integration
Triggers
Integration runtimes
Security
Access control
Credentials
Managed private endpoi...
Configurations + libraries
Workspace packages
Data flow libraries
SQL pools
The serverless SQL pool, Built-in, is immediately available for your workspace constraints. Learn more
New
Refresh
Filter by name
Showing 1-2 of 2 items (1 Serverless, 1 Dedicated)
Name
Type
Built-in
Serverless
mydedicatedpool
Dedicated
Properties
Status
Online
Creation date
12/26/2023, 1:32:39 AM +05:30
Connection strings
ADO.NET (SQL authentication)
Server=tcp:myownsynapseworkspace.sql.azuresynapse.net,1433;Initial Catalog=mydedicat...
Configuration
Performance level
DW100c
Max size
240 TB
Collation
SQL_Latin1_General_CP1_CI_AS
Admin login
sqladminuser
Close

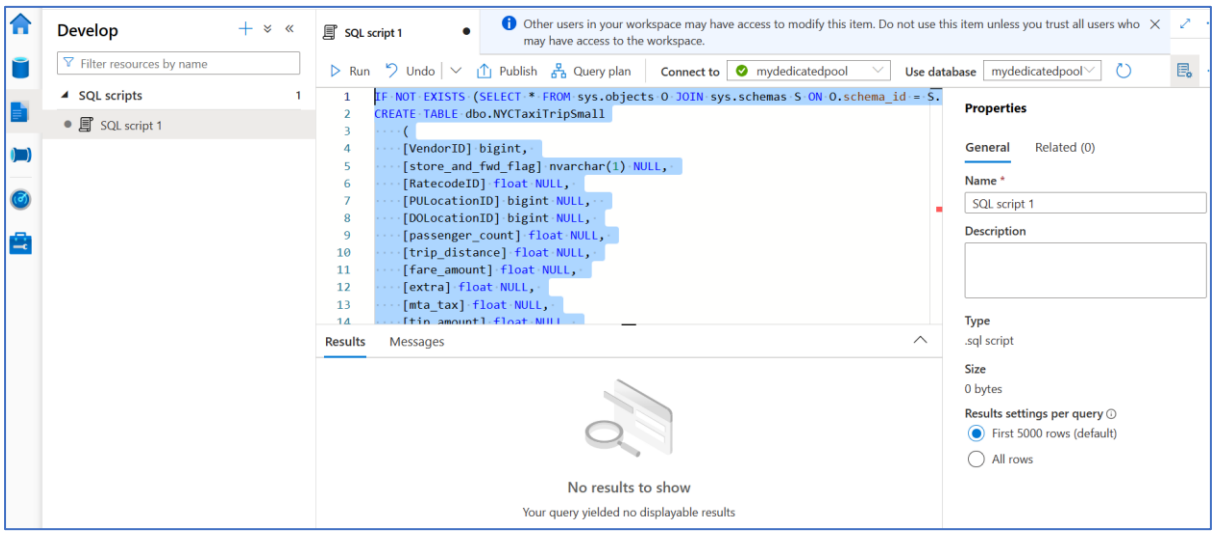

Data
Workspace
Linked
Filter resources by name
SQL database
1
mydedicatedpool (SQL)
Tables
External tables
External resources
Views
Programmability
Schemas
Security
Select an item
Use the resource explorer to select or create a new item

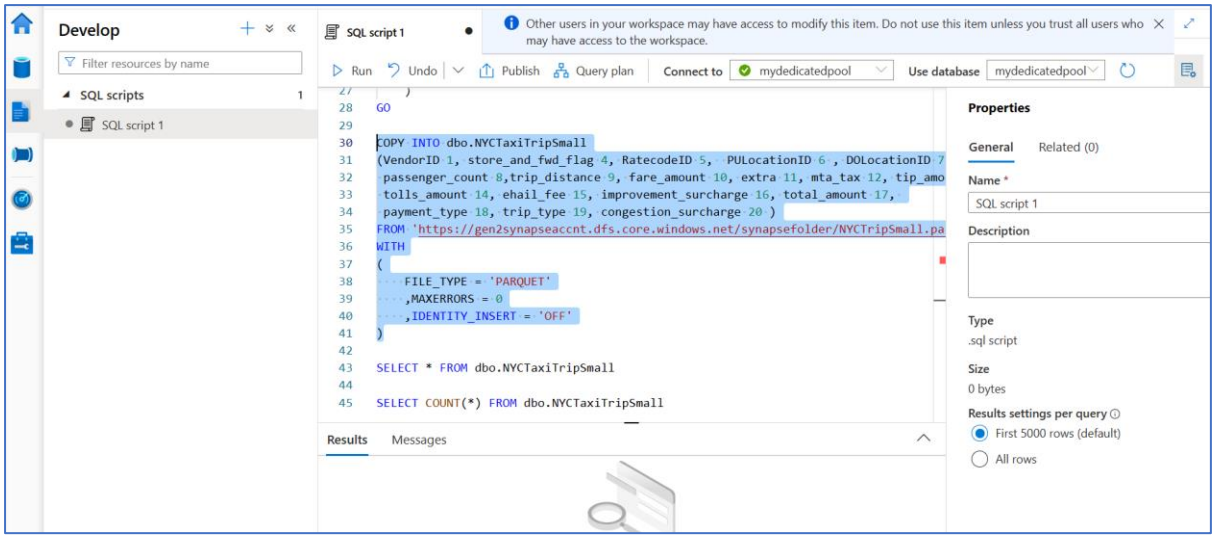

Synapse live
Validate all
Publish all
Develop
Filter resources by name
SQL script
KQL script
Notebook
Data flow
Apache Spark job definition
Browse gallery
Import
No items to show
Try creating a new item using the + button above. Learn more
Use

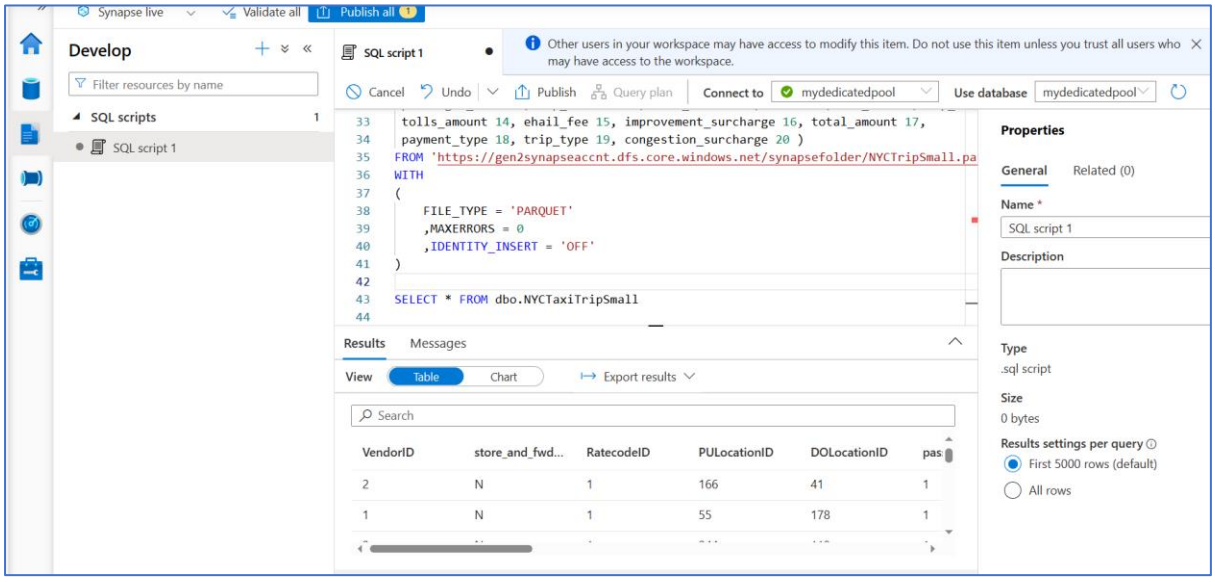

Develop
Filter resources by name
SQL scripts 1
SQL script 1
SQL script 1
Other users in your workspace may have access to modify this item. Do not us
may have access to the workspace.
Run
Undo
Publish
Query plan
Connect to
Built-in
Use
1

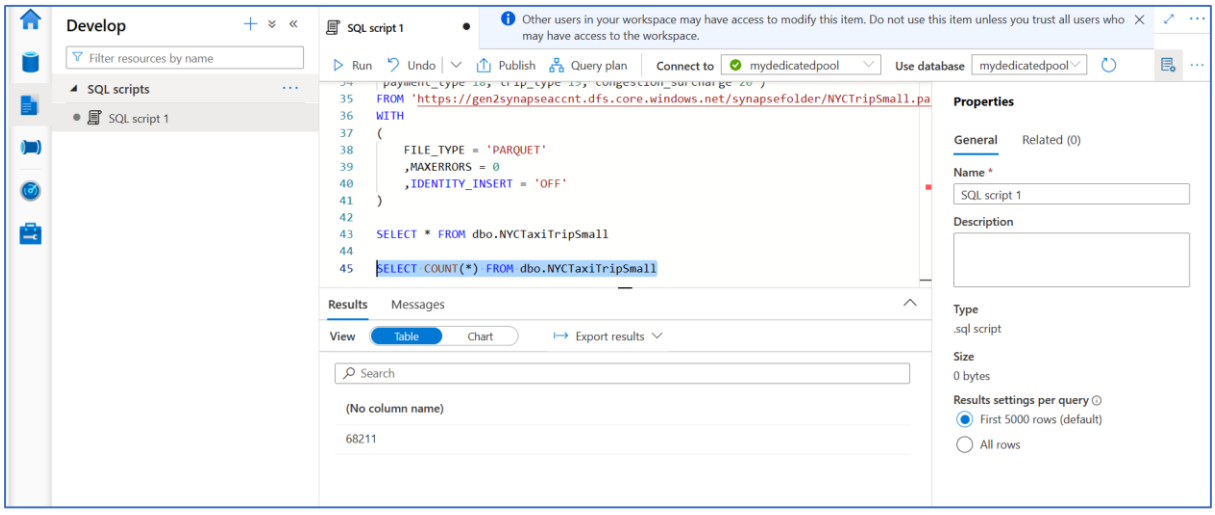

Azure Synapse Ana...
Default Directory (khasnobissanjit2024outlook.on...
Create
Manage view
Filter for any field...
Name
myownsynapseworkspace
myownsynapseworkspace
Synapse workspace
Search
Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems
Settings
Microsoft Entra ID
Properties
Locks
Analytics pools
SQL pools
Apache Spark pools
Data Explorer pools (preview)
Security
Encryption
Networking
New dedicated SQL pool
New Apache Spark pool
New Data Explorer pool (preview)
Refresh
Subscription (move)
Free Trial
Subscription ID
fa7afb93-8b88-4ec7-abdb-9fdee62b5383
Managed virtual network
No
Managed Identity object ID
7781f57b-012e-48e9-b4a6-98ee60c1ee94
Workspace web URL
https://web.azuresynapse.net?workspace=%2fsubscriptions%2ff...
SQL admin username
sqladminuser
SQL Microsoft Entra admin
live.com#khasnobis.sanjit2024@outlook.com
Dedicated SQL endpoint
myownsynapseworkspace.sql.azuresynapse.net
Serverless SQL endpoint
myownsynapseworkspace-ondemand.sql.azuresynapse.net
Development endpoint
https://myownsynapseworkspace.dev.azuresynapse.net
Tags (edit)
Add tags
Getting started
Open Synapse Studio
Start building your fully-integrated analytics solution and unlock new insights.
Open
Read documentation
Learn how to be productive quickly. Explore concepts, tutorials, and samples.
Learn more
Analytics pools
Search to filter items...

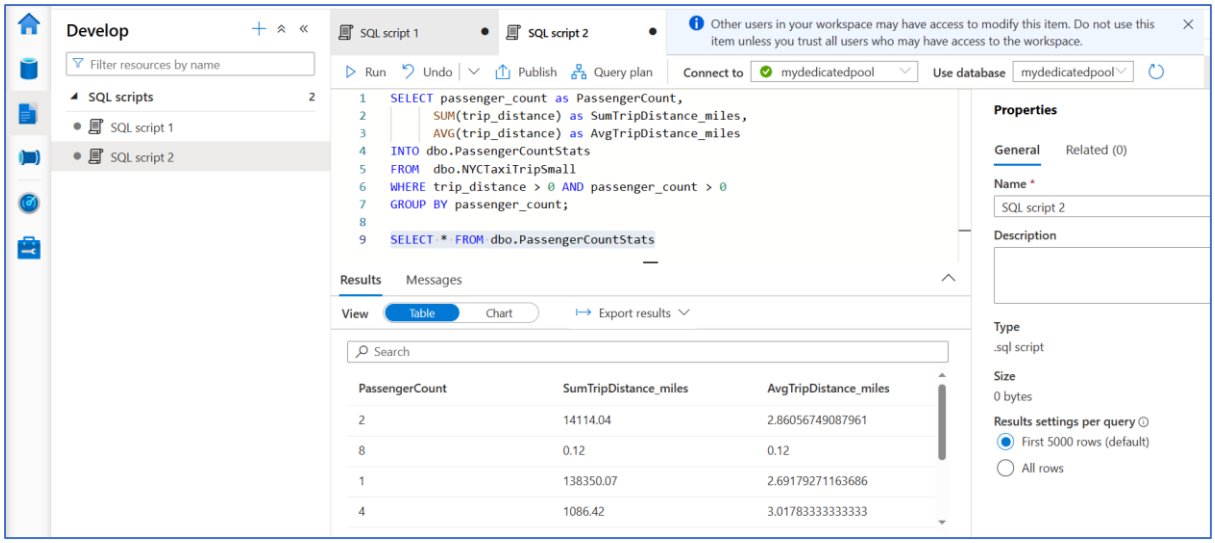

Data
Workspace
Linked
Filter resources by name
Azure Data Lake Storage Gen2
myownsynapseworkspace (Primary...
synapsefolder (Primary)
(Attached Containers)
synapsefolder
New SQL script
New notebook
Name
employee.csv
NYCTripSmall.parquet
Showing 1 to 2 of 2 cached items
Name
NYCTripSmall.parquet
URL
https://gen2synapseaccnt.dfs.core.windows.net/synapsefolder/NYCTripSmall.parquet
ABFSS Path
abfss://synapsefolder@gen2synapseaccnt.dfs.core.windows.net/NYCTripSmall.parquet
Last modified
26/12/2023, 1:23:06 am
Cache Control
Content Type
application/octet-stream
Content Disposition
Content Encoding
Content Language
Apply
Cancel

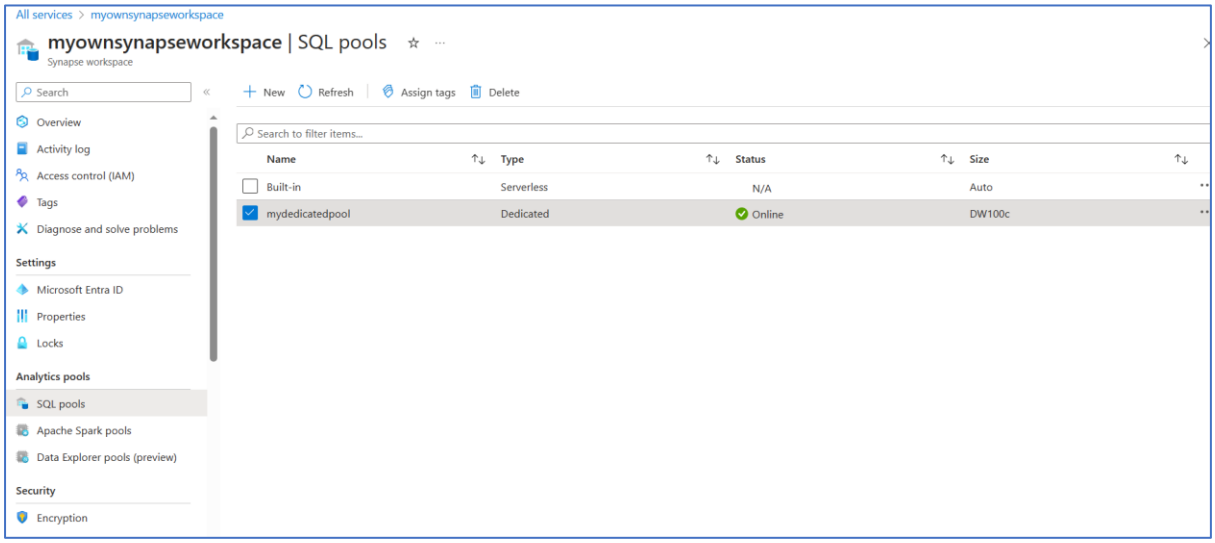

Develop
Filter resources by name
SQL scripts
SQL script 1
SQL script 1
Other users in your workspace may have access to modify this item. Do not use this item unless you trust all users who may have access to the workspace.
Run
Undo
Publish
Query plan
Connect to
mydedicatedpool
Use database
mydedicatedpool
1 IF NOT EXISTS (SELECT * FROM sys.objects O JOIN sys.schemas S ON O.schema_id = S.
2 CREATE TABLE dbo.NYCTaxiTripSmall
3 (
4 [VendorID] bigint,
5 [store_and_fwd_flag] nvarchar(1) NULL,
6 [RatecodeID] float NULL,
7 [PULocationID] bigint NULL,
8 [DOLocationID] bigint NULL,
9 [passenger_count] float NULL,
10 [trip_distance] float NULL,
11 [fare_amount] float NULL,
12 [extra] float NULL,
13 [mta_tax] float NULL,
Results
Messages
No results to show
Your query yielded no displayable results
Properties
General
Related (0)
Name *
SQL script 1
Description
Type
.sql script
Size
0 bytes
Results settings per query
First 5000 rows (default)
All rows

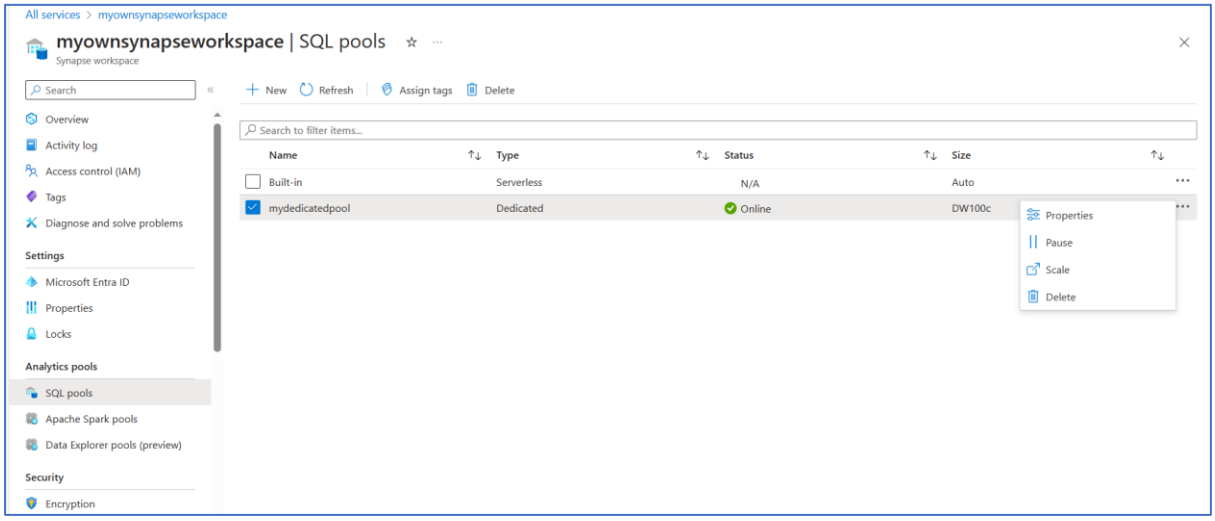

Develop
Filter resources by name
SQL scripts 1
SQL script 1
SQL script 1
Other users in your workspace may have access to modify this item. Do not use this item unless you trust all users who may have access to the workspace.
Run Undo Publish Query plan Connect to mydedicatedpool Use database mydedicatedpool
GO
COPY INTO dbo.NYCTaxiTripSmall
(VendorID 1, store_and_fwd_flag 4, RatecodeID 5, PULocationID 6 , DOLocationID 7
passenger_count 8,trip_distance 9, fare_amount 10, extra 11, mta_tax 12, tip_amo
tolls_amount 14, ehail_fee 15, improvement_surcharge 16, total_amount 17,
payment_type 18, trip_type 19, congestion_surcharge 20)
FROM 'https://gen2synapseaccnt.dfs.core.windows.net/synapsefolder/NYCTripSmall.pa
WITH
(
FILE_TYPE = 'PARQUET'
,MAXERRORS = 0
,IDENTITY_INSERT = 'OFF'
)
SELECT * FROM dbo.NYCTaxiTripSmall
SELECT COUNT(*) FROM dbo.NYCTaxiTripSmall
Results Messages
Properties
General Related (0)
Name *
SQL script 1
Description
Type
.sql script
Size
0 bytes
Results settings per query
First 5000 rows (default)
All rows

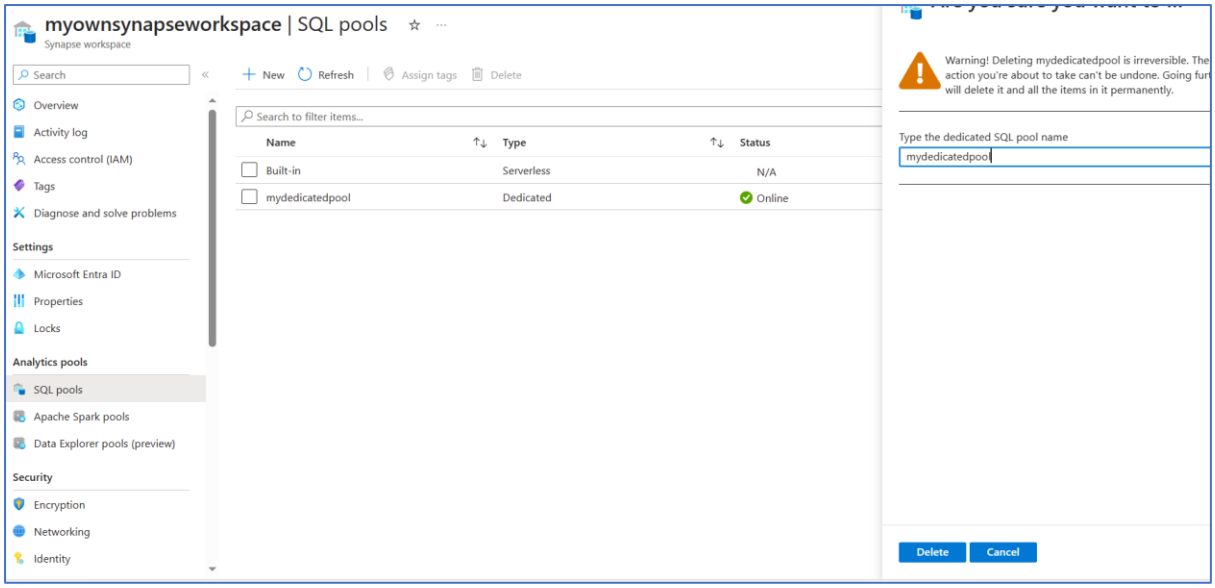

Synapse live Validate all Publish all 1
Develop
Filter resources by name
SQL scripts 1
SQL script 1
SQL script 1
Other users in your workspace may have access to modify this item. Do not use this item unless you trust all users who may have access to the workspace.
Cancel Undo Publish Query plan Connect to mydedicatedpool Use database mydedicatedpool
tolls_amount 14, ehail_fee 15, improvement_surcharge 16, total_amount 17,
payment_type 18, trip_type 19, congestion_surcharge 20)
FROM 'https://gen2synapseaccnt.dfs.core.windows.net/synapsefolder/NYCTripSmall.pa
WITH
(
FILE_TYPE = 'PARQUET'
,MAXERRORS = 0
,IDENTITY_INSERT = 'OFF'
)
SELECT * FROM dbo.NYCTaxiTripSmall
Results Messages
View Table Chart Export results
Search
VendorID store_and_fwd... RatecodeID PULocationID DOLocationID pas
2 N 1 166 41 1
1 N 1 55 178 1
Properties
General Related (0)
Name *
SQL script 1
Description
Type
.sql script
Size
0 bytes
Results settings per query
First 5000 rows (default)
All rows


Develop
Filter resources by name
SQL scripts
SQL script 1
SQL script 1
Other users in your workspace may have access to modify this item. Do not use this item unless you trust all users who may have access to the workspace.
Run Undo Publish Query plan Connect to mydedicatedpool Use database mydedicatedpool
FROM 'https://gen2synapseaccnt.dfs.core.windows.net/synapsefolder/NYCTripSmall.pa
WITH
(
FILE_TYPE = 'PARQUET'
,MAXERRORS = 0
,IDENTITY_INSERT = 'OFF'
)
SELECT * FROM dbo.NYCTaxiTripSmall
SELECT COUNT(*) FROM dbo.NYCTaxiTripSmall
Results Messages
View Table Chart Export results
Search
(No column name)
68211
Properties
General Related (0)
Name *
SQL script 1
Description
Type
.sql script
Size
0 bytes
Results settings per query
First 5000 rows (default)
All rows


Develop
Filter resources by name
SQL scripts 2
SQL script 1
SQL script 2
SQL script 1
SQL script 2
Other users in your workspace may have access to modify this item. Do not use this item unless you trust all users who may have access to the workspace.
Run
Undo
Publish
Query plan
Connect to
mydedicatedpool
Use database
mydedicatedpool
1 SELECT passenger_count as PassengerCount,
2 SUM(trip_distance) as SumTripDistance_miles,
3 AVG(trip_distance) as AvgTripDistance_miles
4 INTO dbo.PassengerCountStats
5 FROM dbo.NYCTaxiTripSmall
6 WHERE trip_distance > 0 AND passenger_count > 0
7 GROUP BY passenger_count;
8
9 SELECT * FROM dbo.PassengerCountStats
Results
Messages
View
Table
Chart
Export results
Search
PassengerCount
SumTripDistance_miles
AvgTripDistance_miles
2
14114.04
2.86056749087961
8
0.12
0.12
1
138350.07
2.69179271163686
4
1086.42
3.01783333333333
Properties
General
Related (0)
Name *
SQL script 2
Description
Type
.sql script
Size
0 bytes
Results settings per query
First 5000 rows (default)
All rows


All services > myownsynapseworkspace
myownsynapseworkspace | SQL pools
Synapse workspace
Search
New
Refresh
Assign tags
Delete
Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems
Settings
Microsoft Entra ID
Properties
Locks
Analytics pools
SQL pools
Apache Spark pools
Data Explorer pools (preview)
Security
Encryption
Search to filter items...
Name
Type
Status
Size
Built-in
Serverless
N/A
Auto
mydedicatedpool
Dedicated
Online
DW100c


All services > myownsynapseworkspace
myownsynapseworkspace | SQL pools
Synapse workspace
Search
New
Refresh
Assign tags
Delete
Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems
Settings
Microsoft Entra ID
Properties
Locks
Analytics pools
SQL pools
Apache Spark pools
Data Explorer pools (preview)
Security
Encryption
Search to filter items...
Name
Type
Status
Size
Built-in
Serverless
N/A
Auto
mydedicatedpool
Dedicated
Online
DW100c
Properties
Pause
Scale
Delete


myownsynapseworkspace | SQL pools
Synapse workspace
Search
Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems
Settings
Microsoft Entra ID
Properties
Locks
Analytics pools
SQL pools
Apache Spark pools
Data Explorer pools (preview)
Security
Encryption
Networking
Identity
New
Refresh
Assign tags
Delete
Search to filter items...
Name
Type
Status
Built-in
Serverless
N/A
mydedicatedpool
Dedicated
Online
Warning! Deleting mydedicatedpool is irreversible. The
action you're about to take can't be undone. Going fur
will delete it and all the items in it permanently.
Type the dedicated SQL pool name
mydedicatedpool
Delete
Cancel