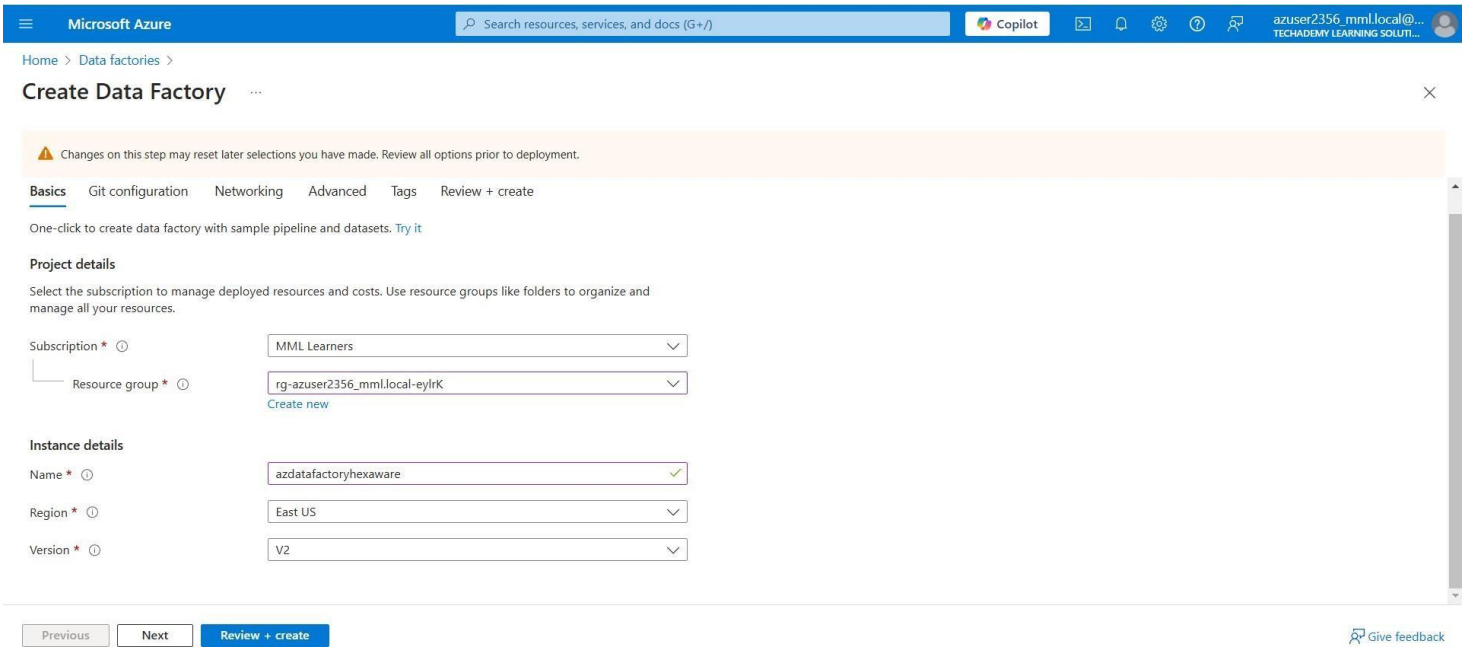
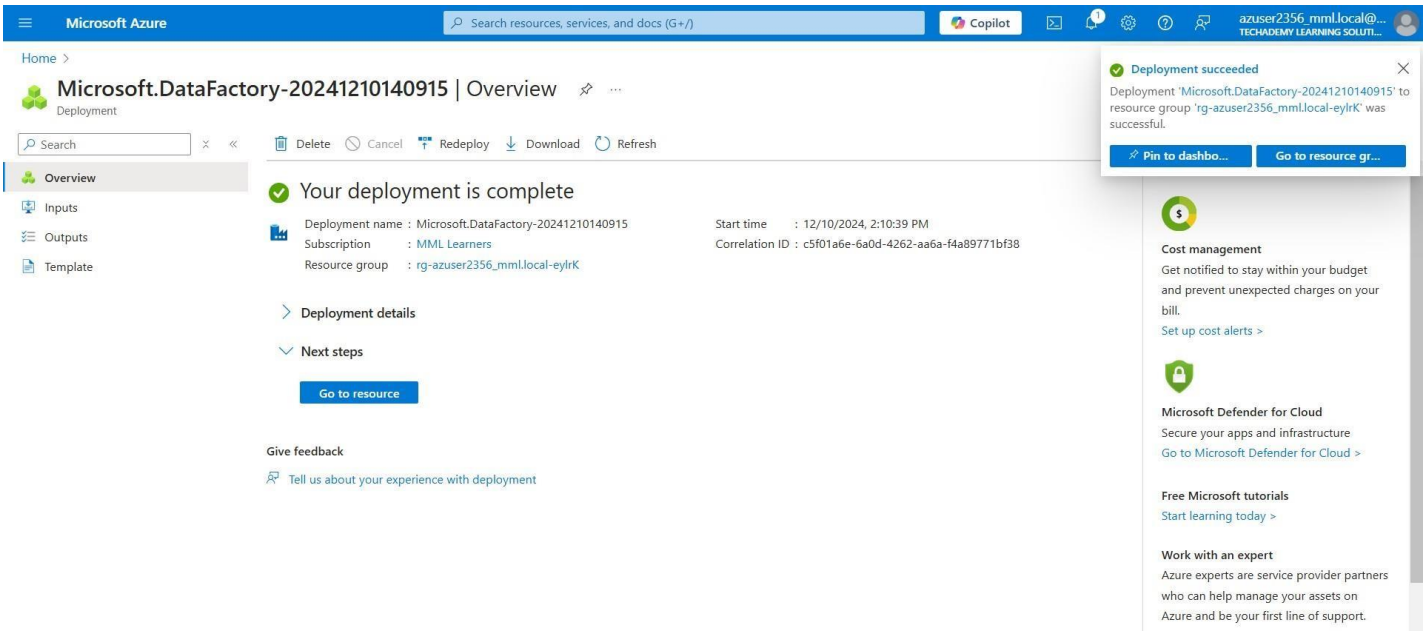
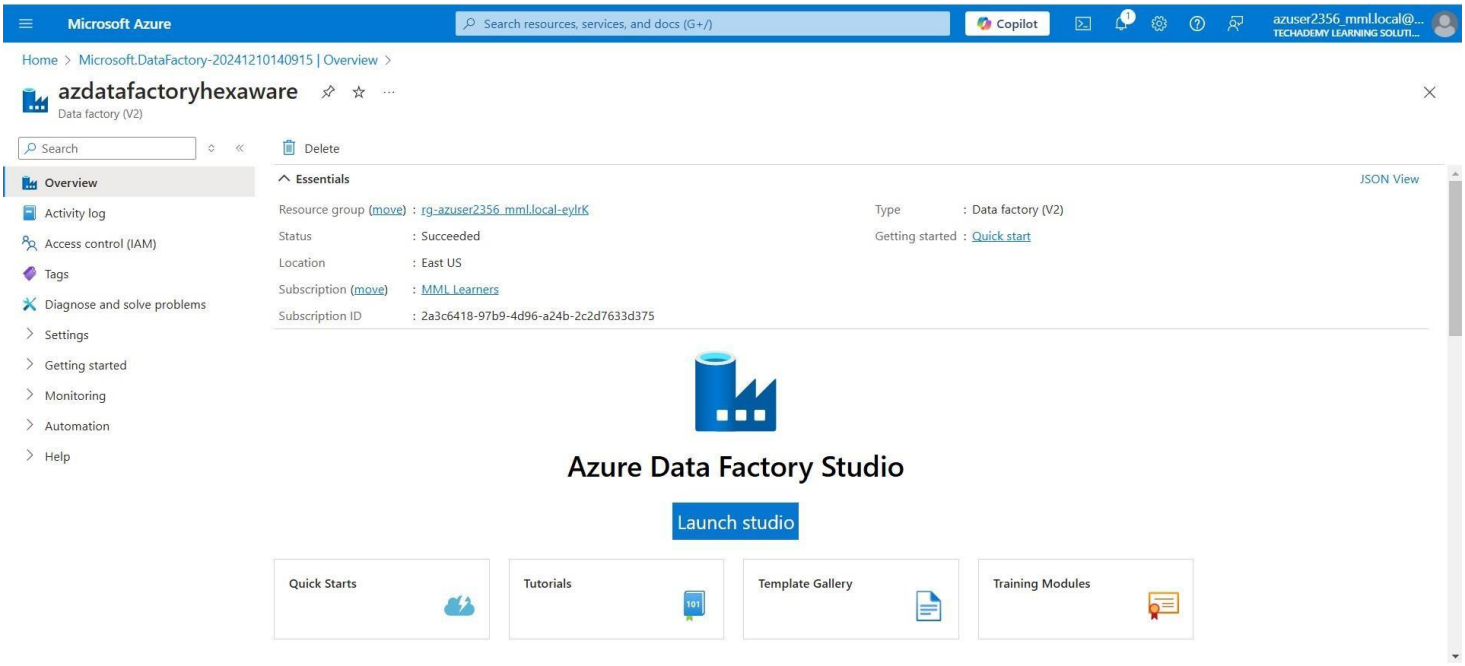
Data Factory

Submitted By: Aniroop Gupta
DE Batch 1

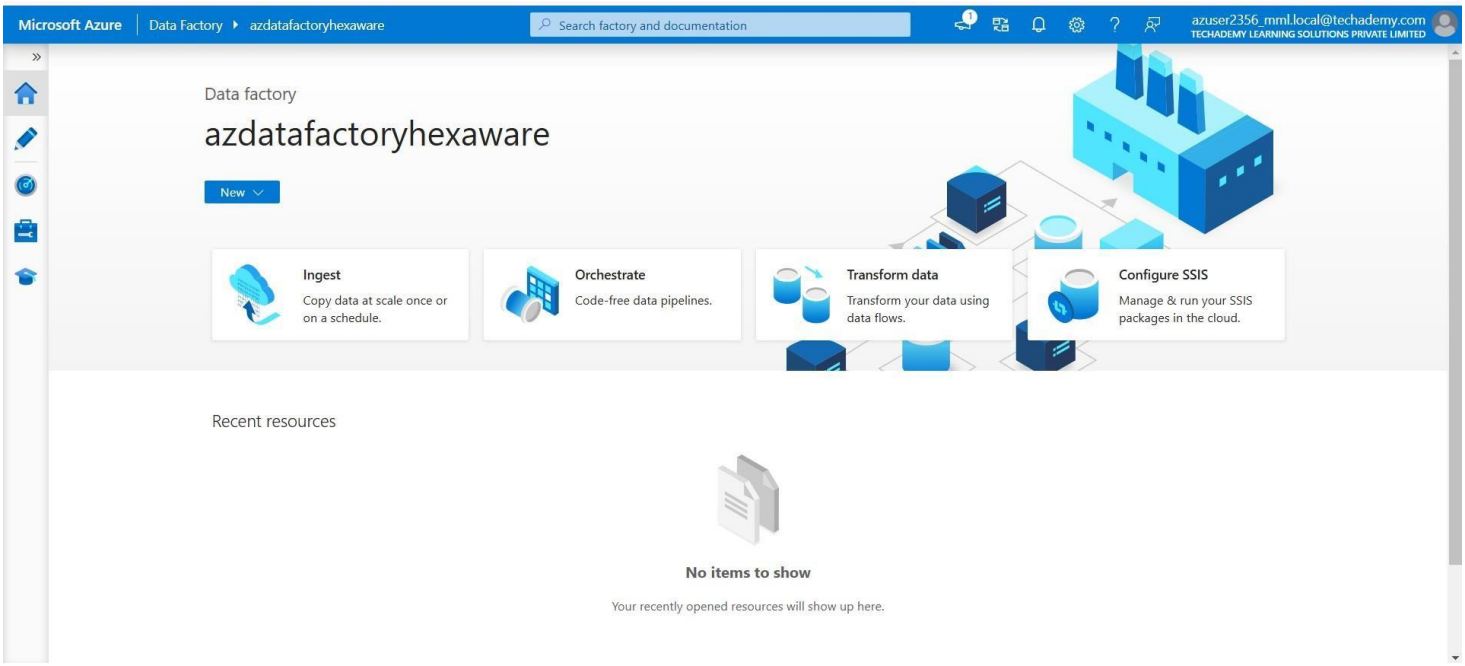
1. Create Data Factory:

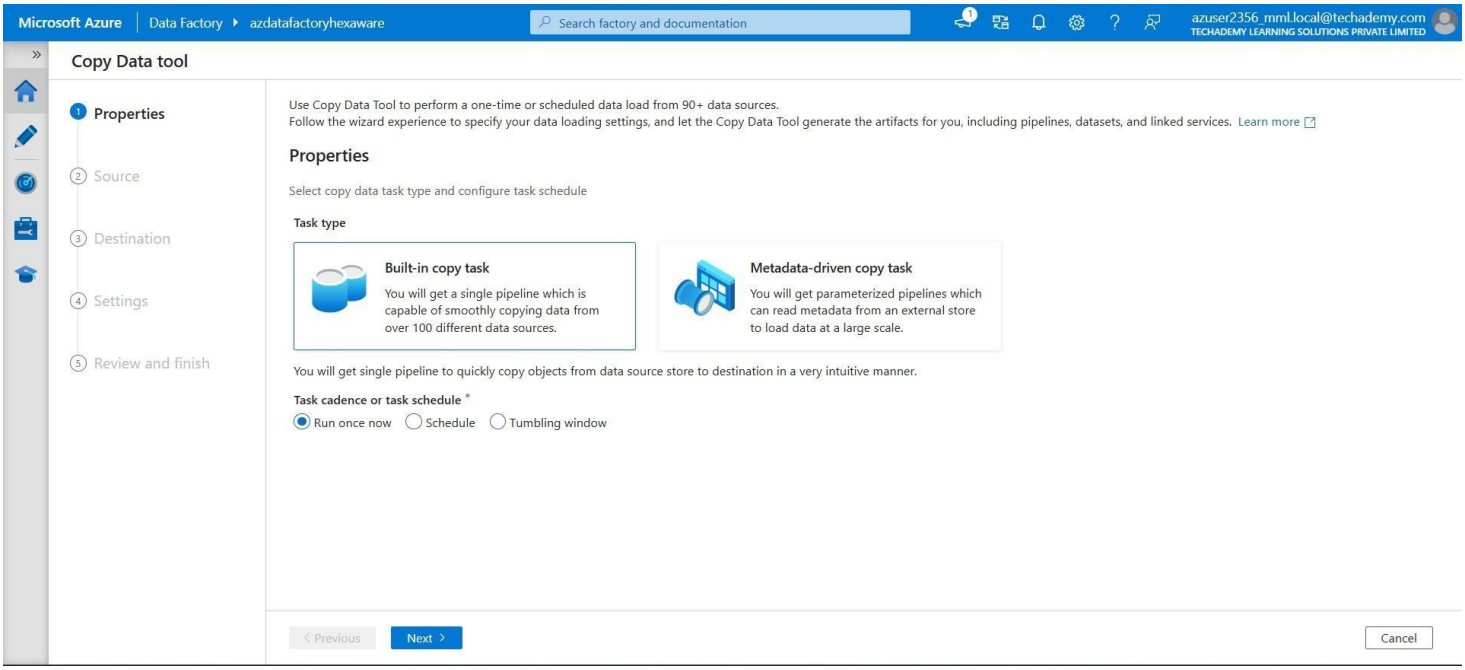






2. Copy Data Tool:




Microsoft Azure
Data Factory
azdatafactoryhexaware
Search factory and documentation
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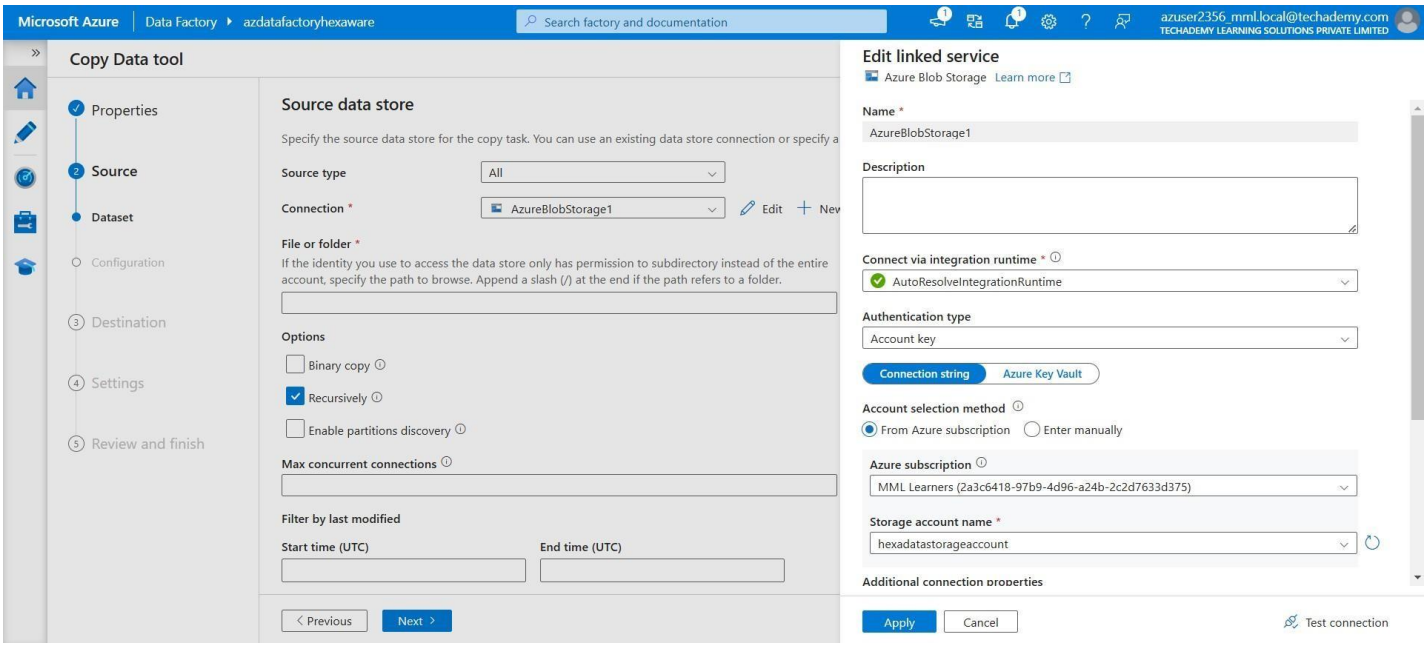
Copy Data tool
1 Properties
2 Source
3 Destination
4 Settings
5 Review and finish
Use Copy Data Tool to perform a one-time or scheduled data load from 90+ data sources.
Follow the wizard experience to specify your data loading settings, and let the Copy Data Tool generate the artifacts for you, including pipelines, datasets, and linked services. Learn more
Properties
Select copy data task type and configure task schedule
Task type
Built-in copy task
You will get a single pipeline which is capable of smoothly copying data from over 100 different data sources.
Metadata-driven copy task
You will get parameterized pipelines which can read metadata from an external store to load data at a large scale.
You will get single pipeline to quickly copy objects from data source store to destination in a very intuitive manner.
Task cadence or task schedule *
Run once now
Schedule
Tumbling window
Previous
Next
Cancel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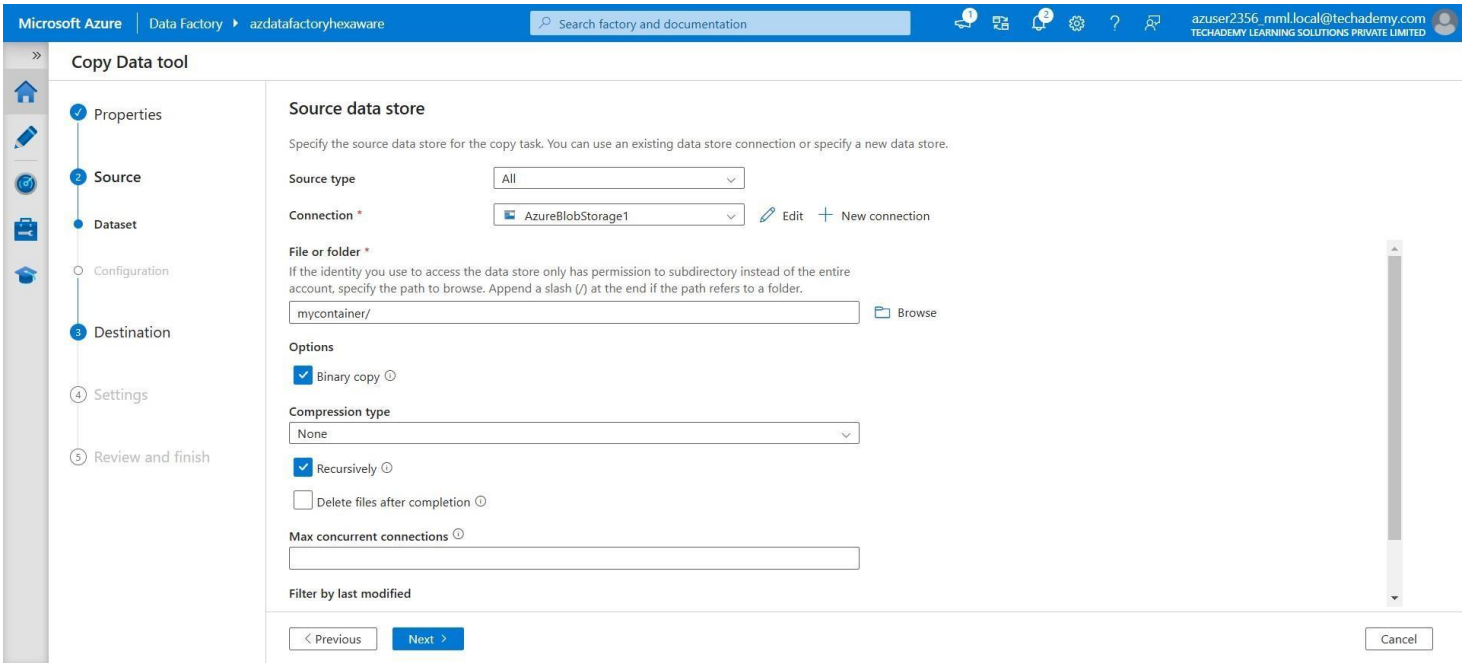
Copy Data tool
Properties
Source
Dataset
Configuration
Destination
Settings
Review and finish
Source data store
Specify the source data store for the copy task. You can use an existing data store connection or specify a
Source type
All
Connection *
AzureBlobStorage1
Edit
New
File or folder *
If the identity you use to access the data store only has permission to subdirectory instead of the entire account, specify the path to browse. Append a slash (/) at the end if the path refers to a folder.
Options
Binary copy
Recursively
Enable partitions discovery
Max concurrent connections
Filter by last modified
Start time (UTC)
End time (UTC)
Previous
Next
Edit linked service
Azure Blob Storage Learn more
Name *
AzureBlobStorage1
Description
Connect via integration runtime *
AutoResolveIntegrationRuntime
Authentication type
Account key
Connection string
Azure Key Vault
Account selection method
From Azure subscription
Enter manually
Azure subscription
MML Learners (2a3c6418-97b9-4d96-a24b-2c2d7633d375)
Storage account name *
hexadatastorageaccount
Additional connection properties
Apply
Cancel
Test connection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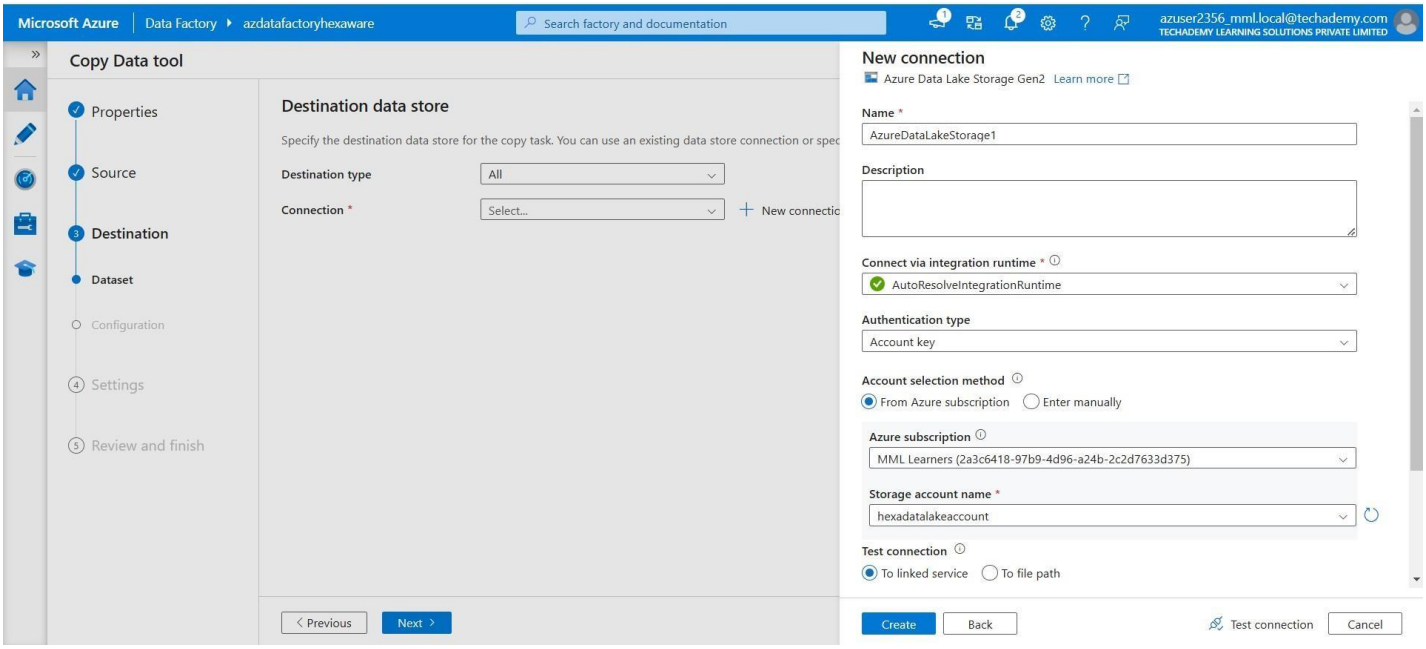
Copy Data tool
Properties
Source
Dataset
Configuration
Destination
Settings
Review and finish
Source data store
Specify the source data store for the copy task. You can use an existing data store connection or specify a new data store.
Source type
All
Connection *
AzureBlobStorage1
Edit
New connection
File or folder *
If the identity you use to access the data store only has permission to subdirectory instead of the entire account, specify the path to browse. Append a slash (/) at the end if the path refers to a folder.
mycontainer/
Browse
Options
Binary copy
Compression type
None
Recursively
Delete files after completion
Max concurrent connections
Filter by last modified
Previous
Next
Cancel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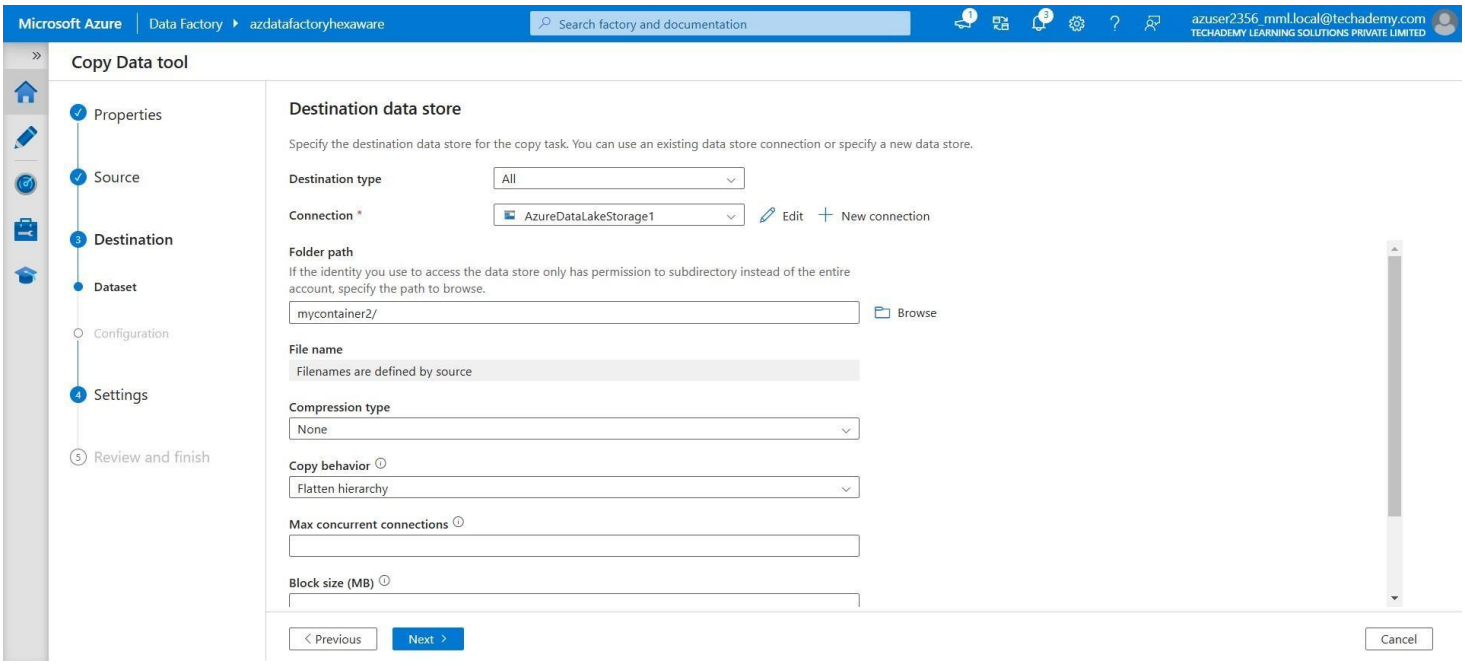
Copy Data tool
Properties
Source
Destination
Dataset
Configuration
Settings
Review and finish
Destination data store
Specify the destination data store for the copy task. You can use an existing data store connection or spec
Destination type
All
Connection *
Select...
New connectio
Previous
Next
New connection
Azure Data Lake Storage Gen2
Learn more
Name *
AzureDataLakeStorage1
Description
Connect via integration runtime *
AutoResolveIntegrationRuntime
Authentication type
Account key
Account selection method
From Azure subscription
Enter manually
Azure subscription
MML Learners (2a3c6418-97b9-4d96-a24b-2c2d7633d375)
Storage account name *
hexadatalakeaccount
Test connection
To linked service
To file path
Create
Back
Test connection
Cancel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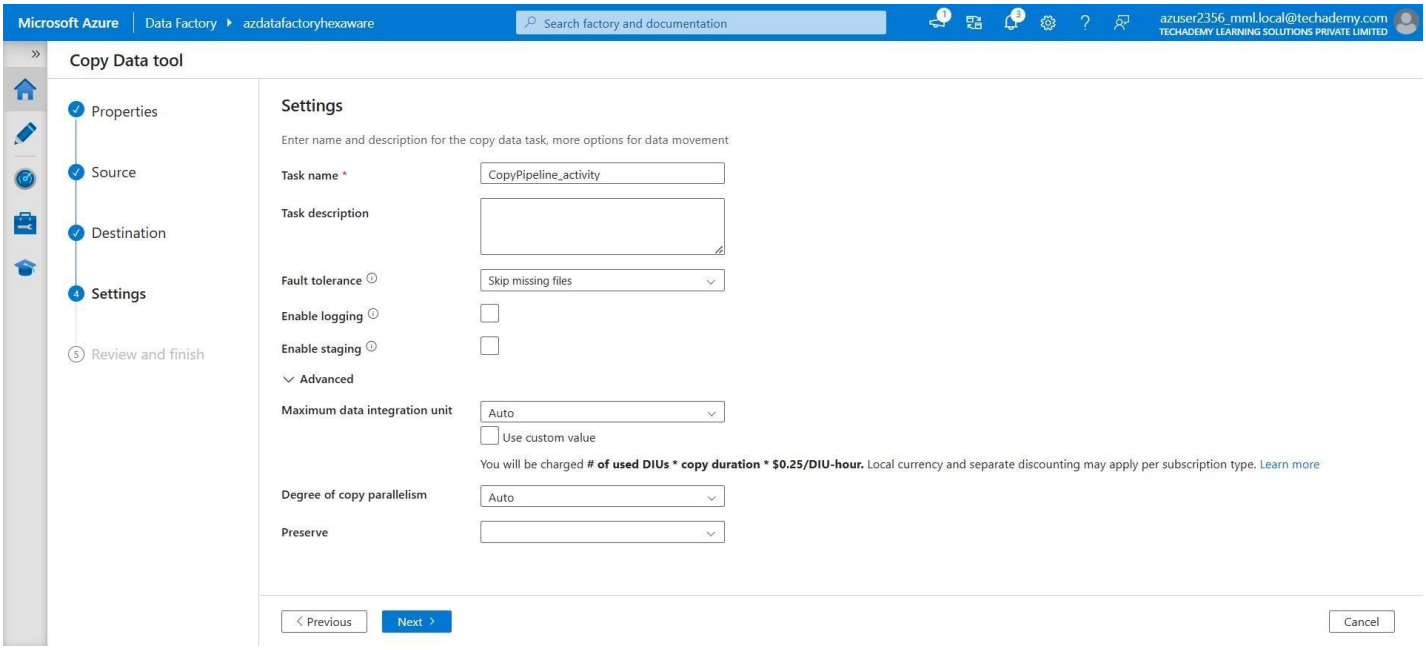
Copy Data tool
Properties
Source
Destination
Dataset
Configuration
Settings
Review and finish
Destination data store
Specify the destination data store for the copy task. You can use an existing data store connection or specify a new data store.
Destination type
All
Connection *
AzureDataLakeStorage1
Edit
New connection
Folder path
If the identity you use to access the data store only has permission to subdirectory instead of the entire account, specify the path to browse.
mycontainer2/
Browse
File name
Filenames are defined by source
Compression type
None
Copy behavior
Flatten hierarchy
Max concurrent connections
Block size (MB)
Previous
Next
Cancel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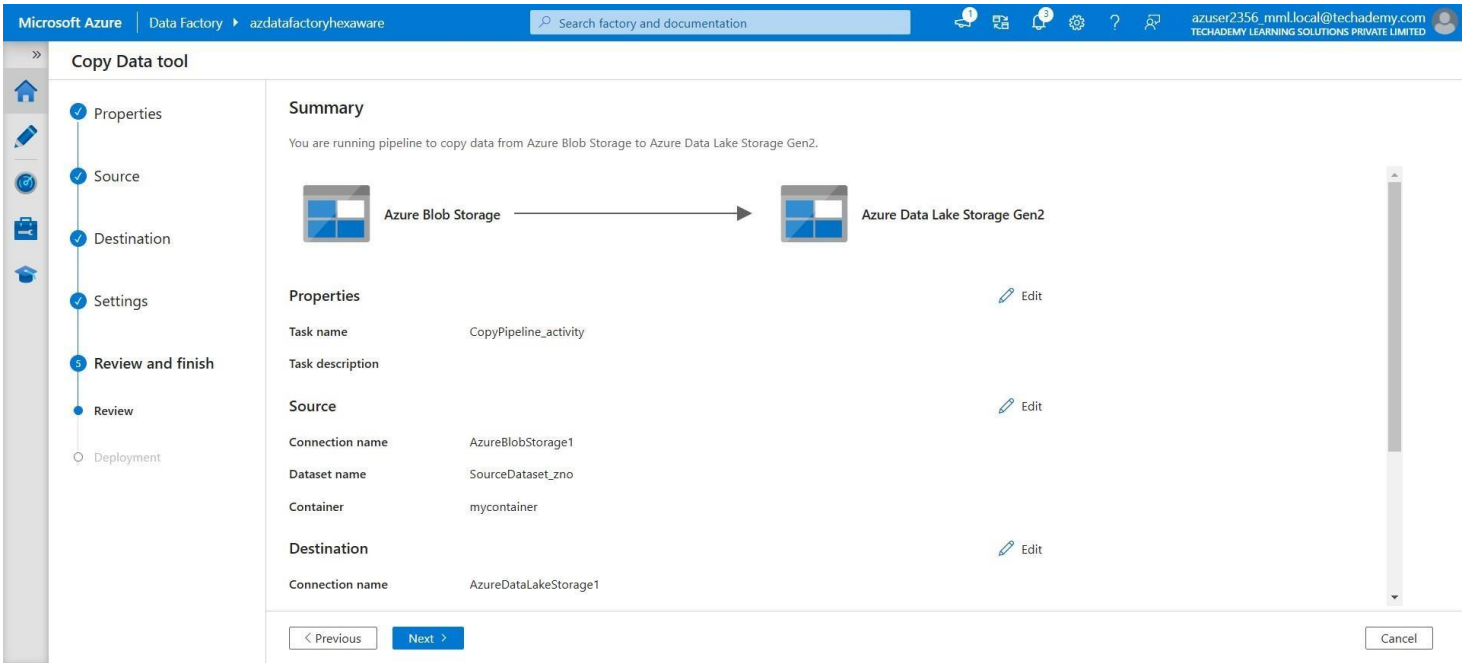
Copy Data tool
Properties
Source
Destination
Settings
Review and finish
Settings
Enter name and description for the copy data task, more options for data movement
Task name *
CopyPipeline_activity
Task description
Fault tolerance
Skip missing files
Enable logging
Enable staging
Advanced
Maximum data integration unit
Auto
Use custom value
You will be charged # of used DIUs * copy duration * $0.25/DIU-hour. Local currency and separate discounting may apply per subscription type. Learn more
Degree of copy parallelism
Auto
Preserve
Previous
Next
Cancel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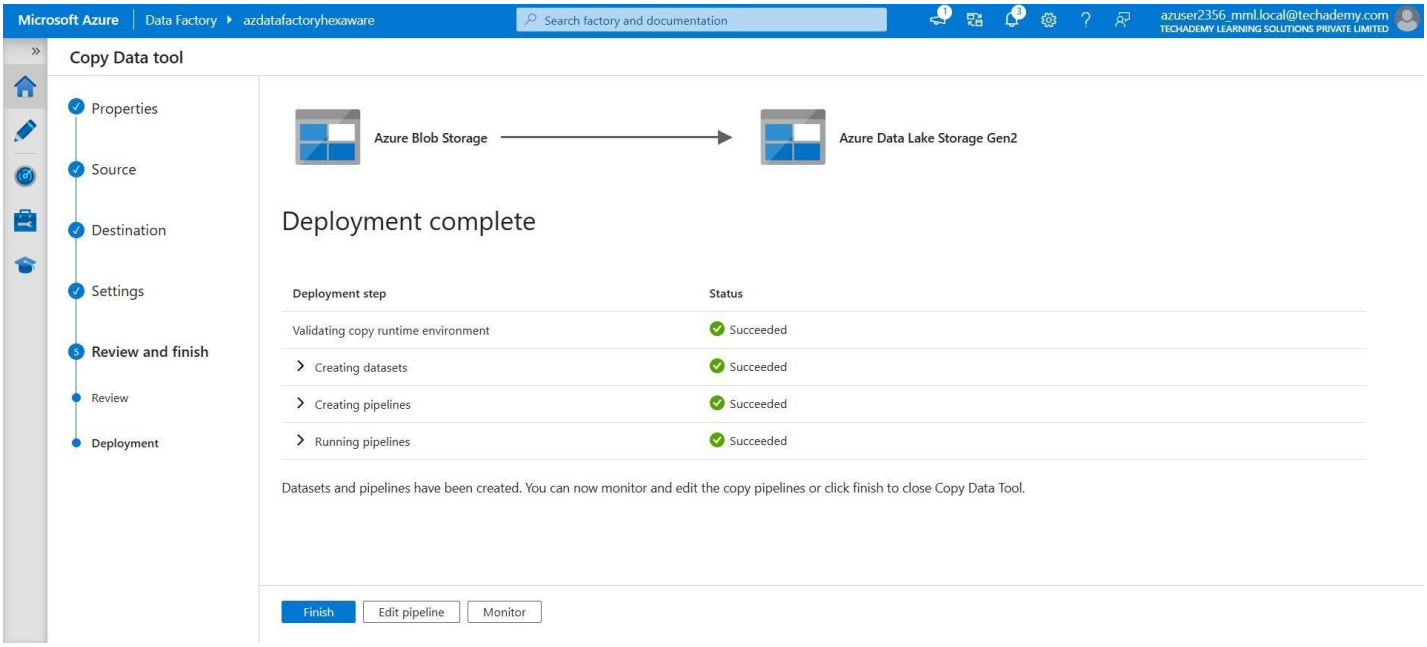
Copy Data tool
Properties
Source
Destination
Settings
Review and finish
Review
Deployment
Summary
You are running pipeline to copy data from Azure Blob Storage to Azure Data Lake Storage Gen2.
Azure Blob Storage
Azure Data Lake Storage Gen2
Properties
Edit
Task name
CopyPipeline_activity
Task description
Source
Edit
Connection name
AzureBlobStorage1
Dataset name
SourceDataset_zno
Container
mycontainer
Destination
Edit
Connection name
AzureDataLakeStorage1
Previous
Next
Cancel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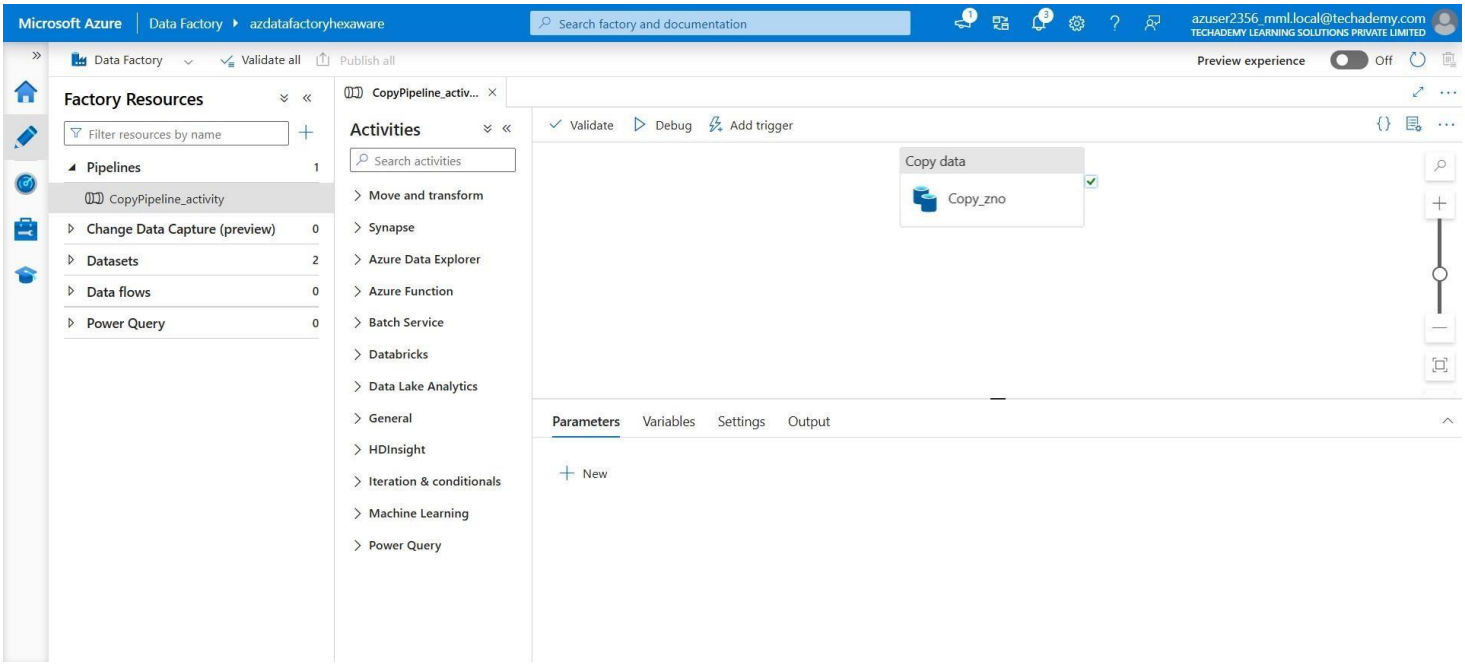
Copy Data tool
Properties
Source
Destination
Settings
Review and finish
Review
Deployment
Azure Blob Storage
Azure Data Lake Storage Gen2
Deployment complete
Deployment step
Status
Validating copy runtime environment
Succeeded
Creating datasets
Succeeded
Creating pipelines
Succeeded
Running pipelines
Succeeded
Datasets and pipelines have been created. You can now monitor and edit the copy pipelines or click finish to close Copy Data Tool.
Finish
Edit pipeline
Monitor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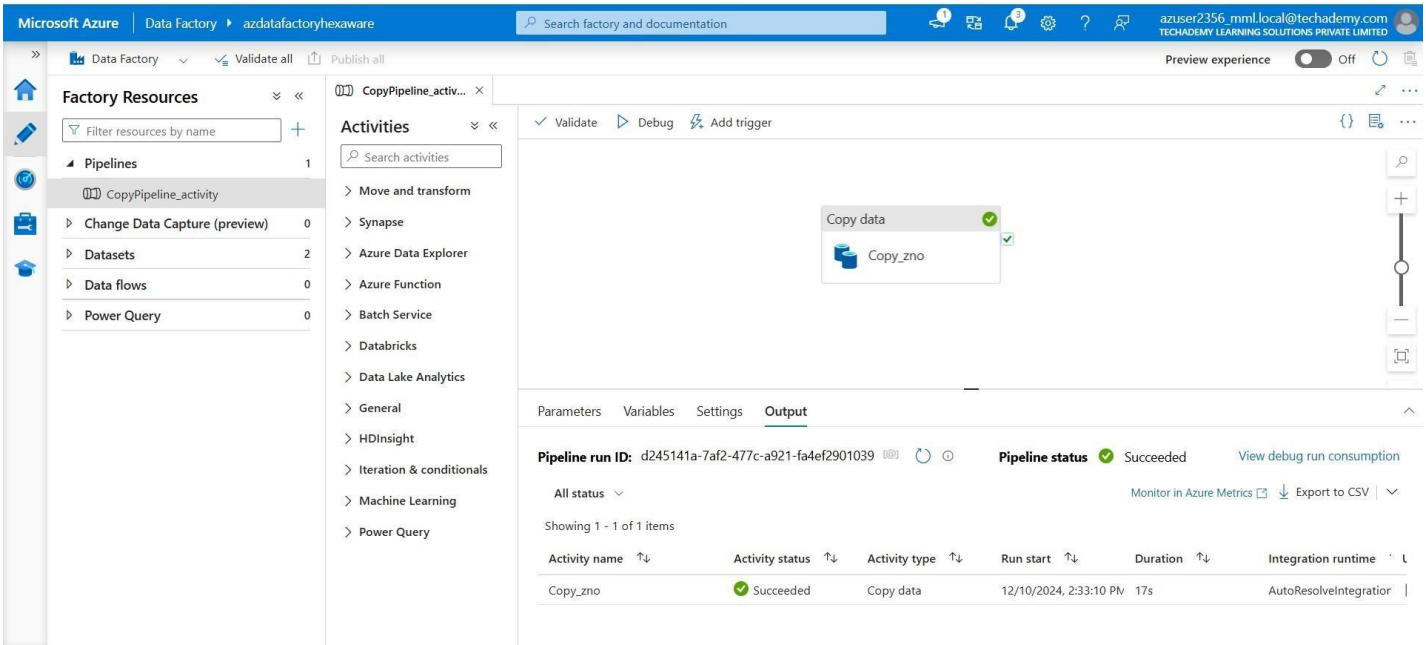
Data Factory
Validate all
Publish all
Preview experience
Off
Factory Resources
Filter resources by name
Pipelines 1
CopyPipeline_activity
Change Data Capture (preview) 0
Datasets 2
Data flows 0
Power Query 0
CopyPipeline_activ...
Activities
Search activities
Move and transform
Synapse
Azure Data Explorer
Azure Function
Batch Service
Databricks
Data Lake Analytics
General
HDInsight
Iteration & conditionals
Machine Learning
Power Query
Validate
Debug
Add trigger
Copy data
Copy_zno
Parameters
Variables
Settings
Output
New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Data Factory
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Pipelines 1
CopyPipeline_activity
Change Data Capture (preview) 0
Datasets 2
Data flows 0
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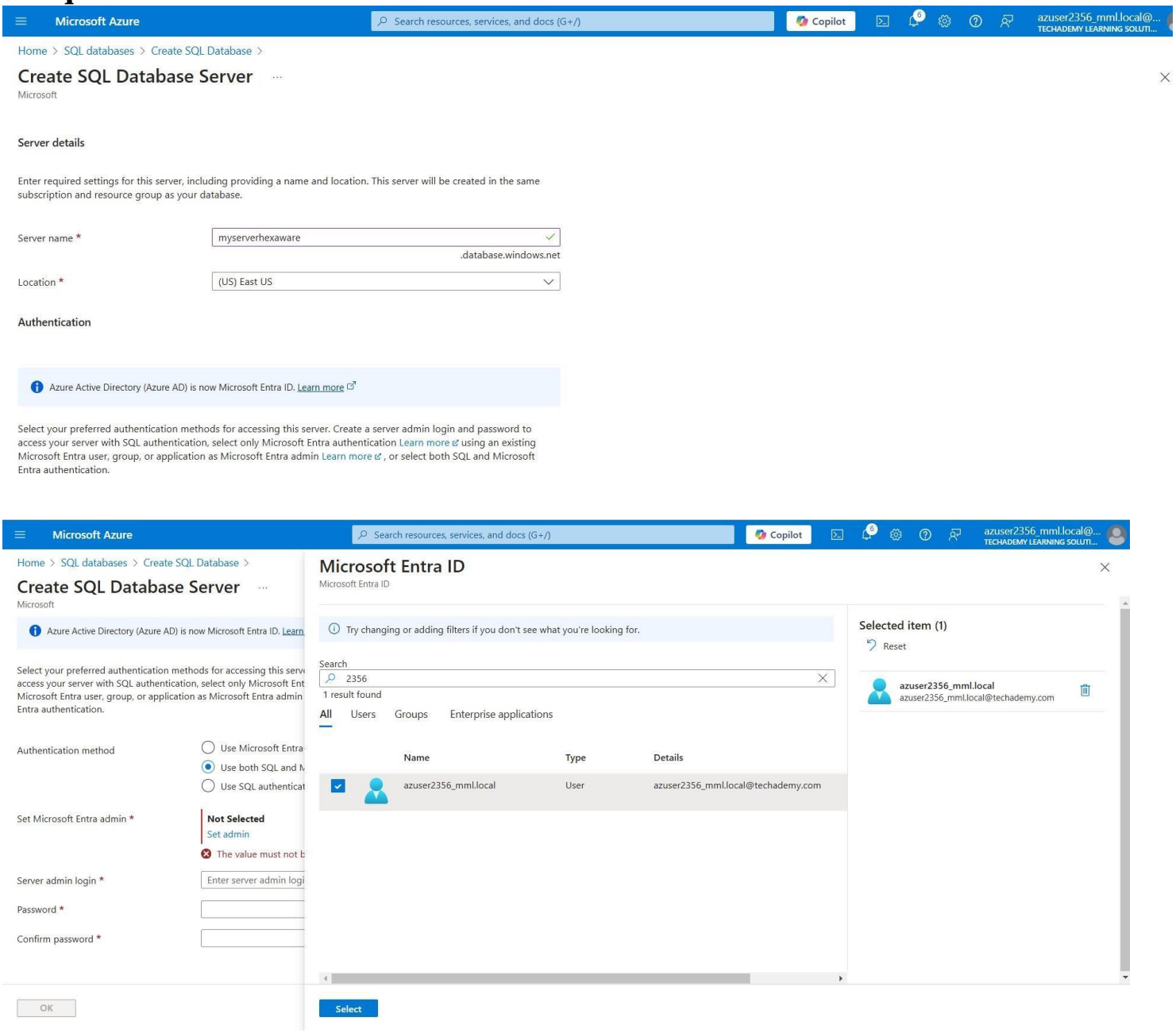
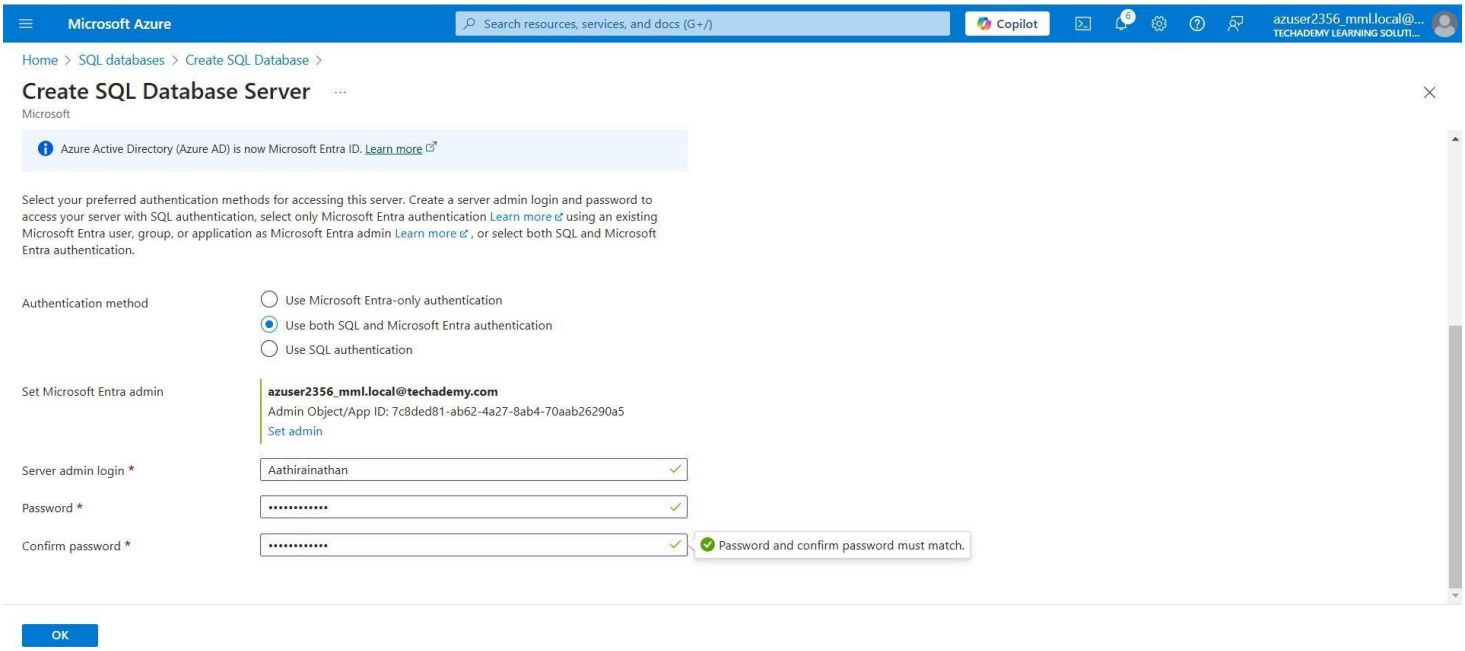
Search activities
Move and transform
Synapse
Azure Data Explorer
Azure Function
Batch Service
Databricks
Data Lake Analytics
General
HDInsight
Iteration & conditionals
Machine Learning
Power Query
Validate
Debug
Add trigger
Copy data
Copy_zno
Parameters
Variables
Settings
Output
Pipeline run ID: d245141a-7af2-477c-a921-fa4ef2901039
Pipeline status Succeeded
View debug run consumption
All status
Monitor in Azure Metrics
Export to CSV
Showing 1 - 1 of 1 items
Activity name
Activity status
Activity type
Run start
Duration
Integration runtime
Copy_zno
Succeeded
Copy data
12/10/2024, 2:33:10 PM
17s
AutoResolveIntegration

3. Sql Database:

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Create SQL Database Server
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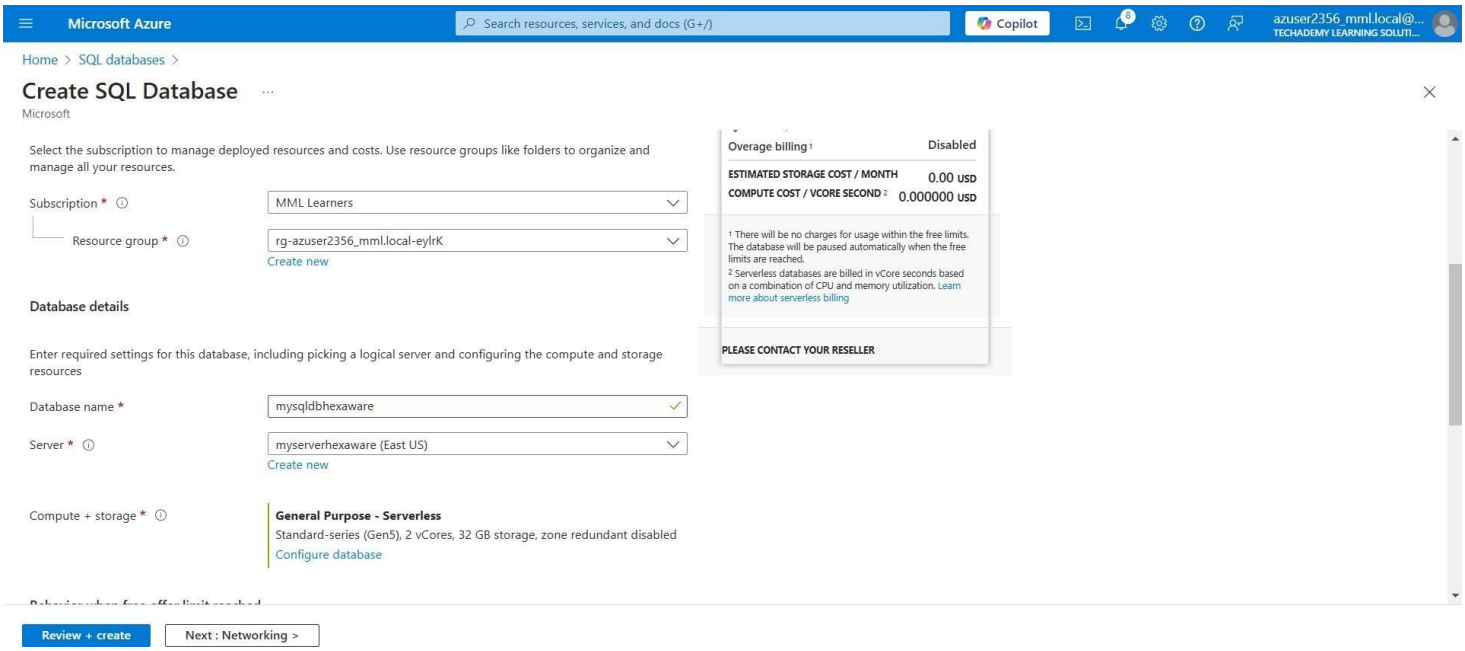
Azure Active Directory (Azure AD) is now Microsoft Entra ID. Learn more
Select your preferred authentication methods for accessing this server. Create a server admin login and password to access your server with SQL authentication, select only Microsoft Entra authentication Learn more using an existing Microsoft Entra user, group, or application as Microsoft Entra admin Learn more, or select both SQL and Microsoft Entra authentication.
Authentication method
Use Microsoft Entra-only authentication
Use both SQL and Microsoft Entra authentication
Use SQL authentication
Set Microsoft Entra admin
azuser2356_mml.local@techademy.com
Admin Object/App ID: 7c8ded81-ab62-4a27-8ab4-70aab26290a5
Set admin
Server admin login *
Aathirainathan
Password *
Confirm password *
Password and confirm password must match.
OK


Microsoft Azure
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Home > SQL databases >
Create SQL Database
Microsoft
Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.
Subscription *
MML Learners
Resource group *
rg-azuser2356_mml.local-eylrK
Create new
Database details
Enter required settings for this database, including picking a logical server and configuring the compute and storage resources
Database name *
mysqldbhexaware
Server *
myserverhexaware (East US)
Create new
Compute + storage *
General Purpose - Serverless
Standard-series (Gen5), 2 vCores, 32 GB storage, zone redundant disabled
Configure database
Overage billing 1 Disabled
ESTIMATED STORAGE COST / MONTH 0.00 USD
COMPUTE COST / VCORE SECOND 2 0.000000 USD
1 There will be no charges for usage within the free limits. The database will be paused automatically when the free limits are reached.
2 Serverless databases are billed in vCore seconds based on a combination of CPU and memory utilization. Learn more about serverless billing
PLEASE CONTACT YOUR RESELLER
Review + create
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