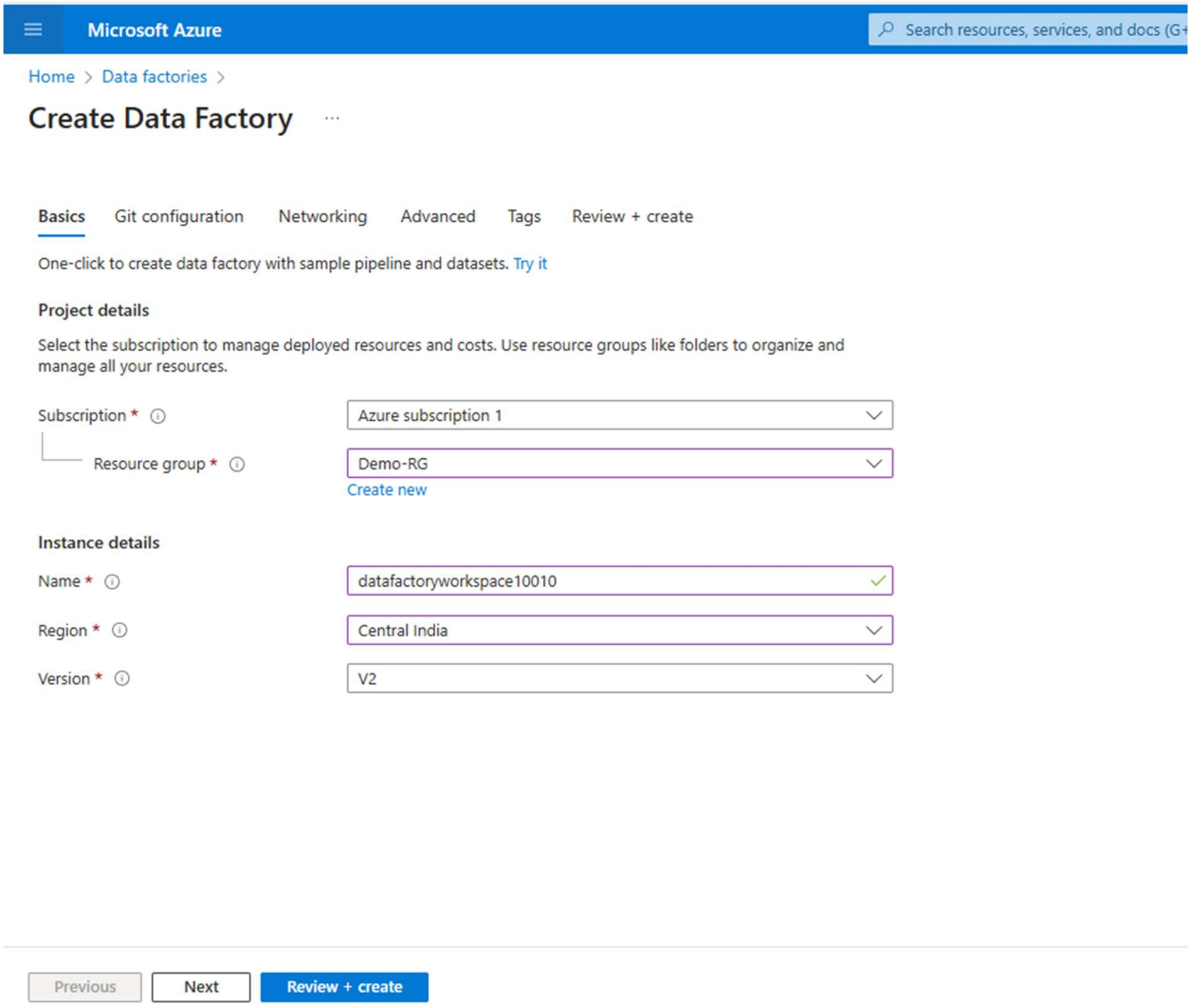
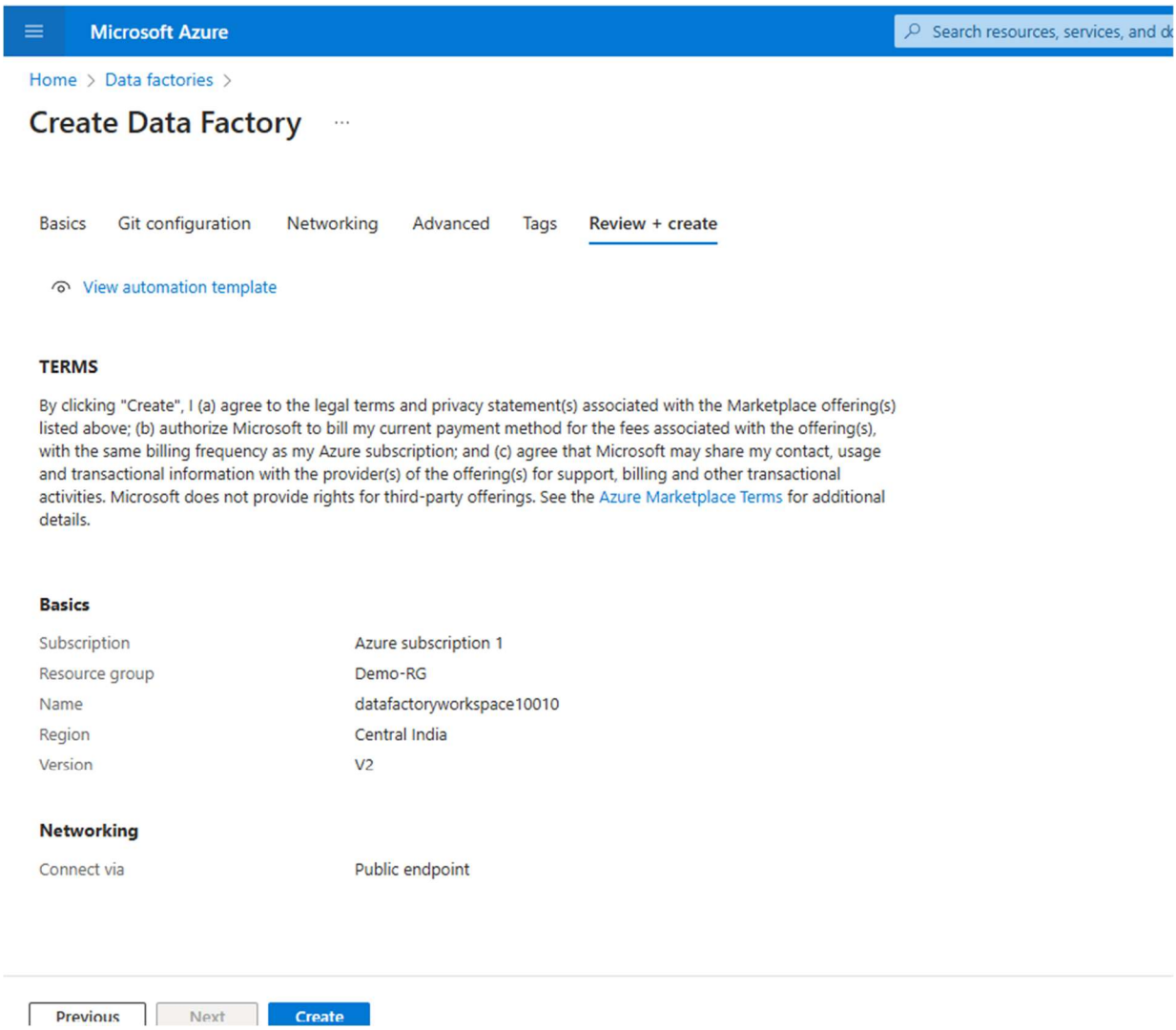
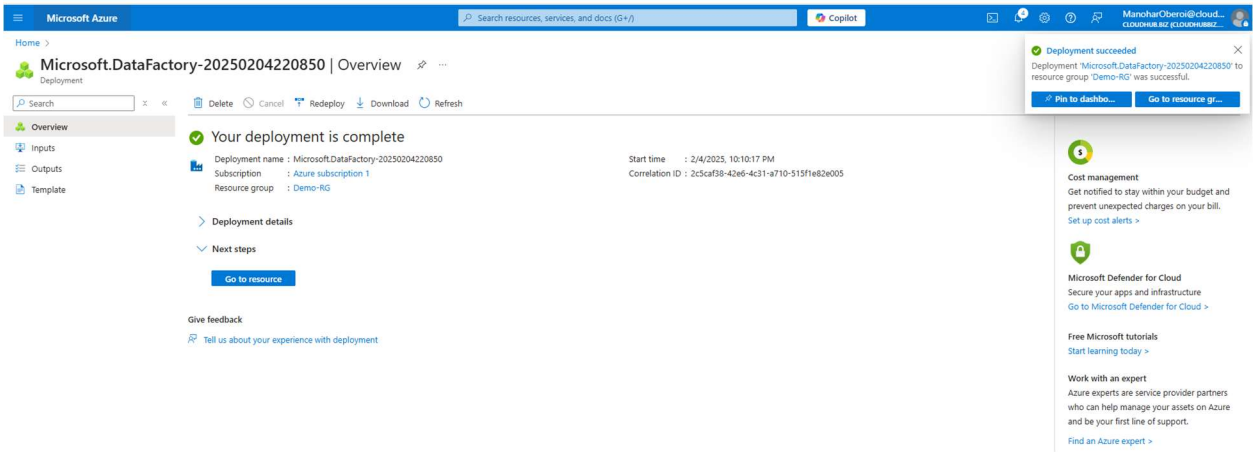
Create a Azure data factory




Microsoft Azure
Search resources, services, and d
Home > Data factories >
Create Data Factory
Basics
Git configuration
Networking
Advanced
Tags
Review + create
View automation template
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. See the Azure Marketplace Terms for additional details.
Basics
Subscription Azure subscription 1
Resource group Demo-RG
Name datafactoryworkspace10010
Region Central India
Version V2
Networking
Connect via Public endpoint
Previous
Next
Create


Microsoft Azure
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Copilot
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Home >
Microsoft.DataFactory-20250204220850 | Overview
Deployment
Search
Overview
Inputs
Outputs
Template
Delete
Cancel
Redeploy
Download
Refresh
Your deployment is complete
Deployment name : Microsoft.DataFactory-20250204220850
Subscription : Azure subscription 1
Resource group : Demo-RG
Start time : 2/4/2025, 10:10:17 PM
Correlation ID : 2c5caf38-42e6-4c31-a710-515f1e82e005
Deployment details
Next steps
Go to resource
Give feedback
Tell us about your experience with deployment
Deployment succeeded
Deployment 'Microsoft.DataFactory-20250204220850' to resource group 'Demo-RG' was successful.
Pin to dashbo...
Go to resource gr...
Cost management
Get notified to stay within your budget and prevent unexpected charges on your bill.
Set up cost alerts >
Microsoft Defender for Cloud
Secure your apps and infrastructure
Go to Microsoft Defender for Cloud >
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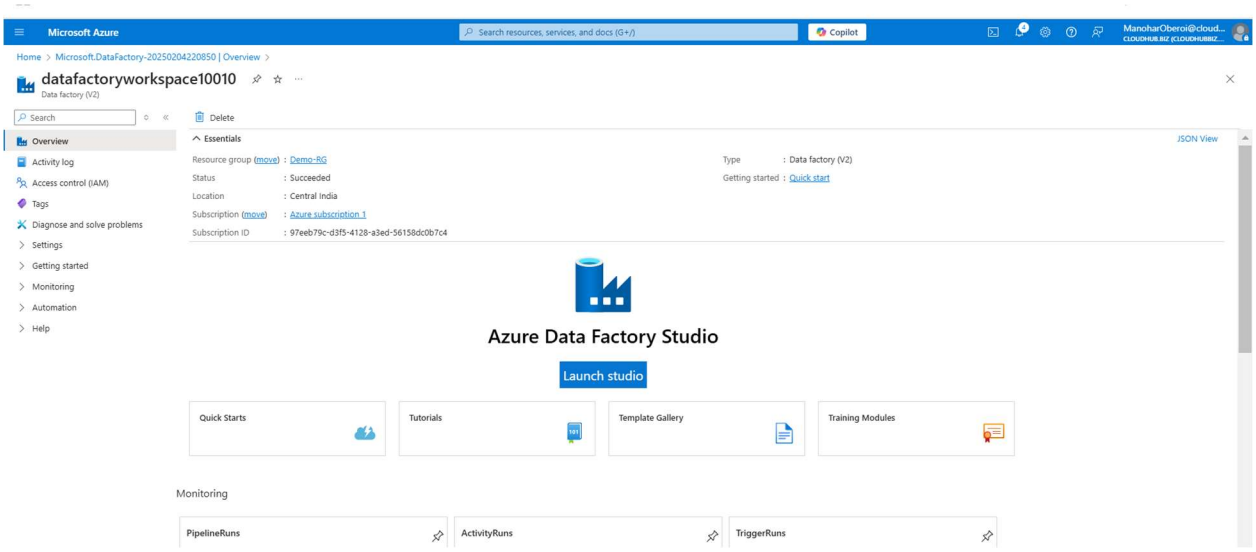
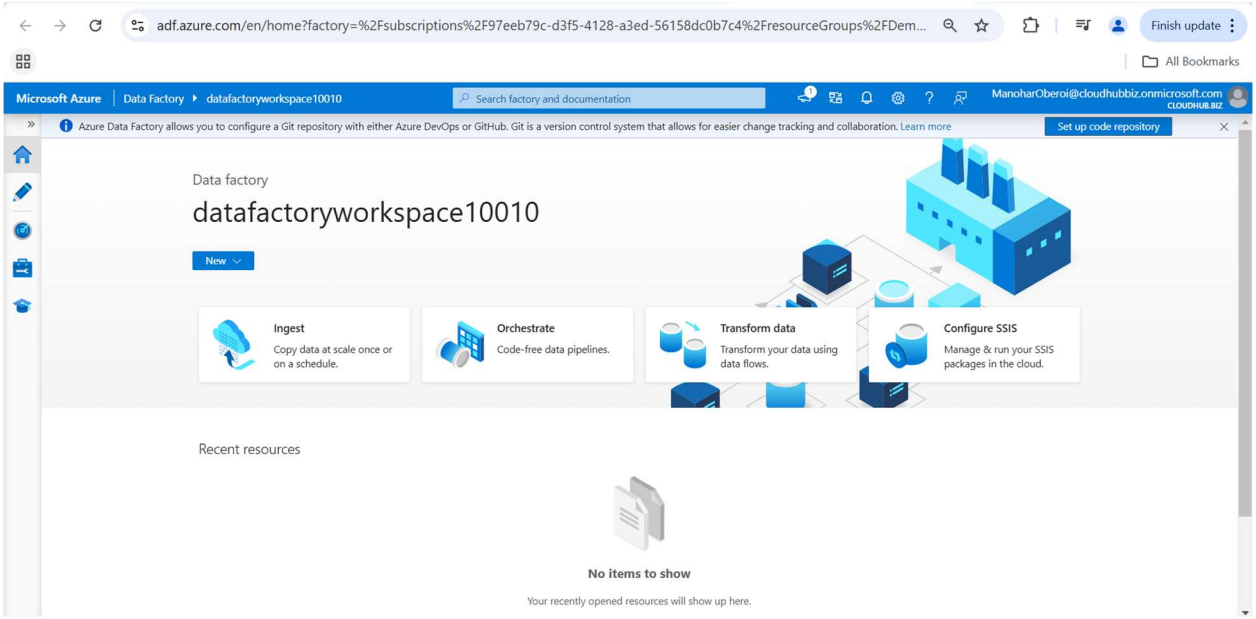
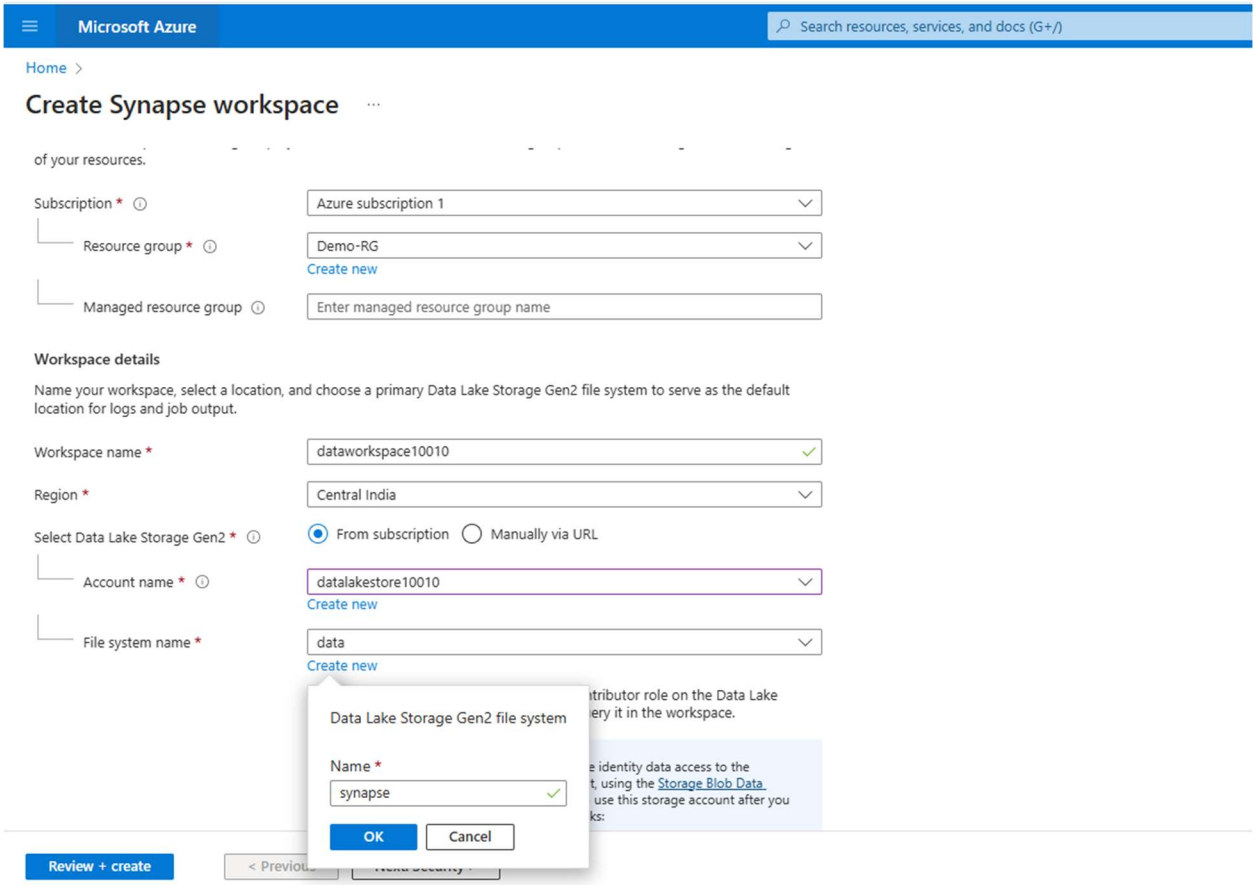
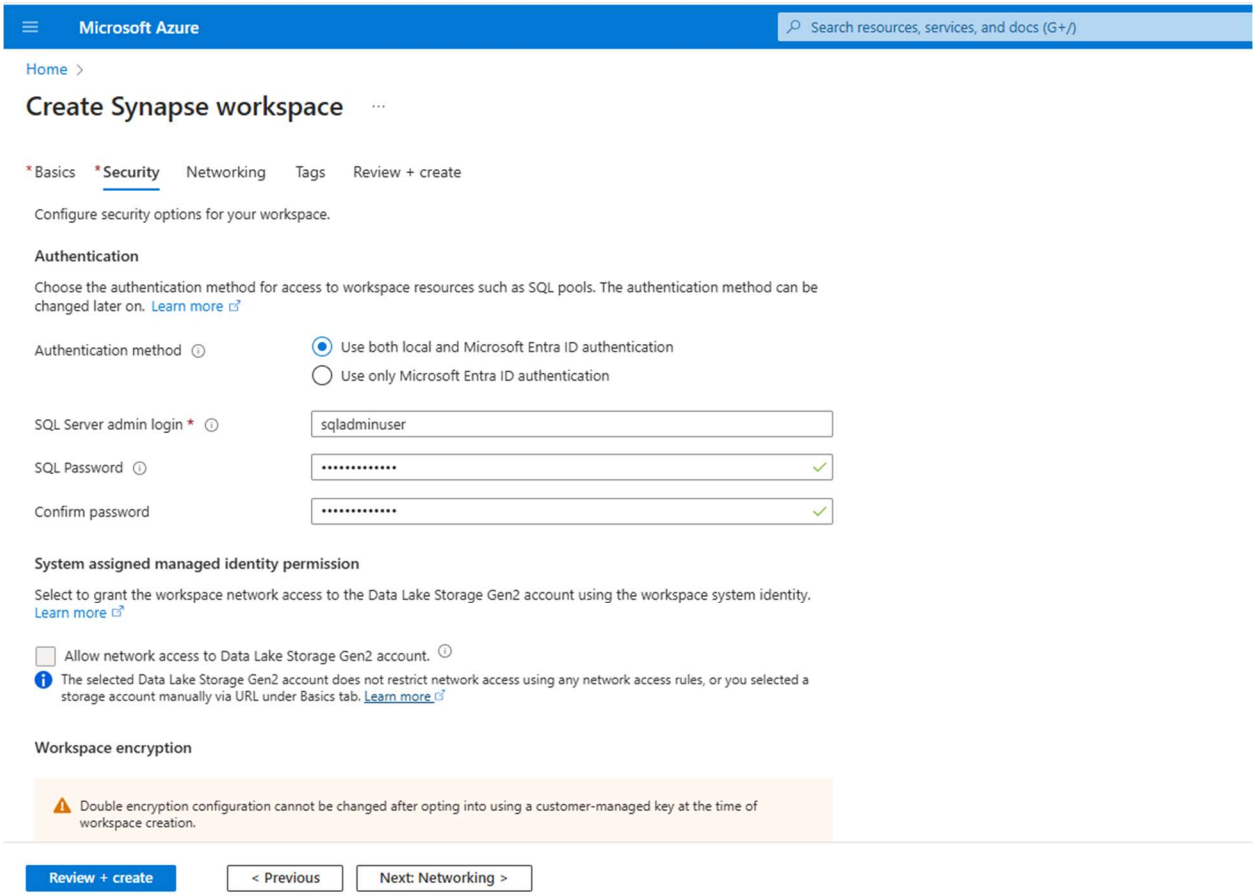
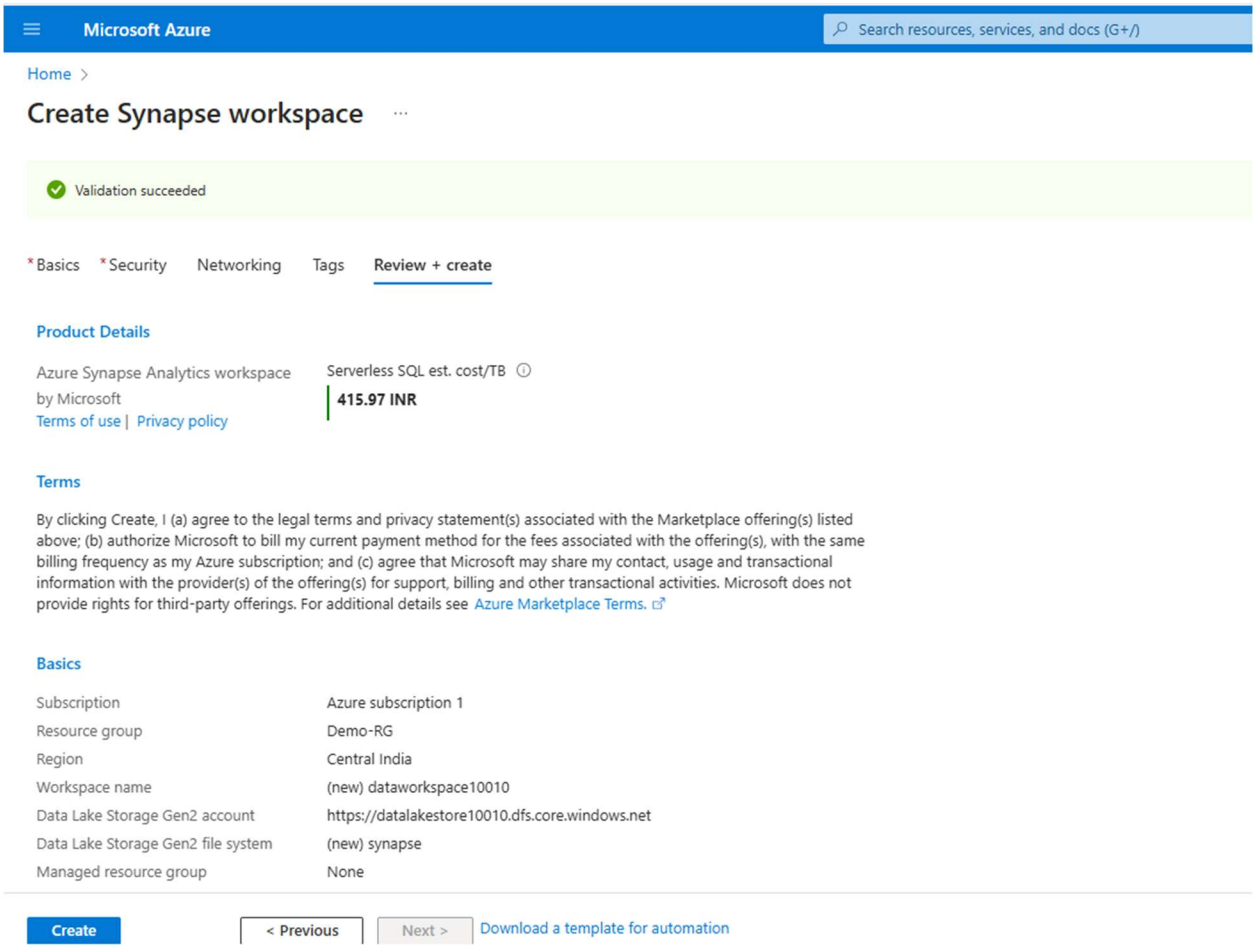


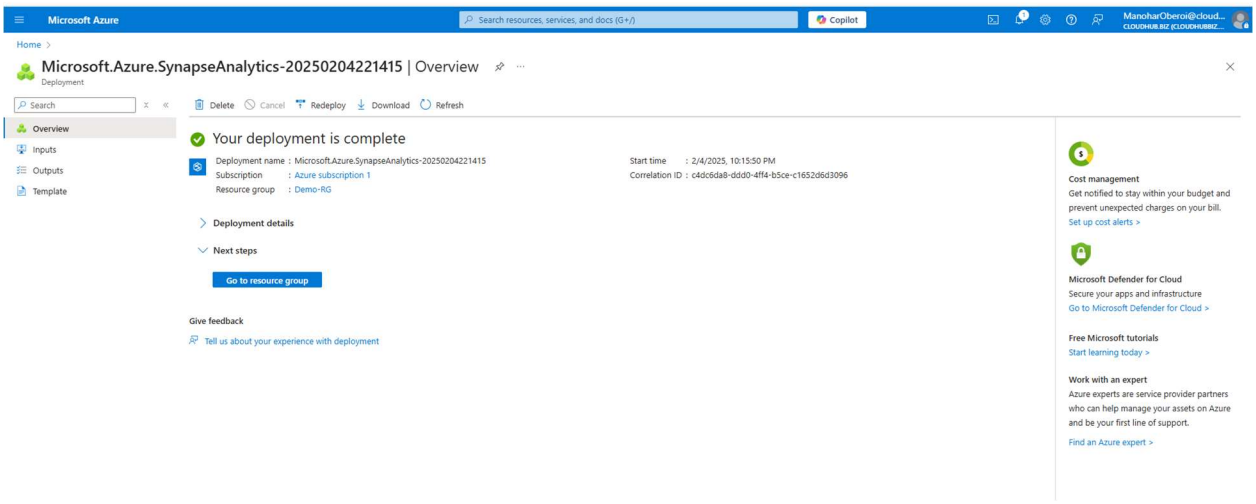


Create azure synapse analytics workspace

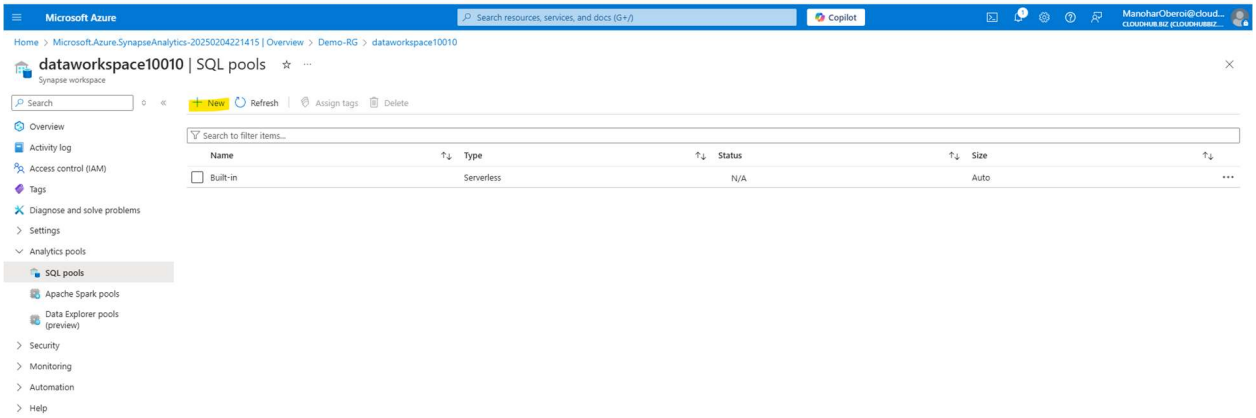

Microsoft Azure
Search resources, services, and docs (G+/)
Home
Create Synapse workspace
of your resources.
Subscription *
Azure subscription 1
Resource group *
Demo-RG
Create new
Managed resource group
Enter managed resource group name
Workspace details
Name your workspace, select a location, and choose a primary Data Lake Storage Gen2 file system to serve as the default location for logs and job output.
Workspace name *
dataworkspace10010
Region *
Central India
Select Data Lake Storage Gen2 *
From subscription
Manually via URL
Account name *
datalakestore10010
Create new
File system name *
data
Create new
Data Lake Storage Gen2 file system
Name *
synapse
OK
Cancel
Review + create


Microsoft Azure
Search resources, services, and docs (G+/)
Home
Create Synapse workspace
*Basics *Security Networking Tags Review + create
Configure security options for your workspace.
Authentication
Choose the authentication method for access to workspace resources such as SQL pools. The authentication method can be changed later on. Learn more
Authentication method
Use both local and Microsoft Entra ID authentication
Use only Microsoft Entra ID authentication
SQL Server admin login *
sqladminuser
SQL Password
Confirm password
System assigned managed identity permission
Select to grant the workspace network access to the Data Lake Storage Gen2 account using the workspace system identity. Learn more
Allow network access to Data Lake Storage Gen2 account.
The selected Data Lake Storage Gen2 account does not restrict network access using any network access rules, or you selected a storage account manually via URL under Basics tab. Learn more
Workspace encryption
Double encryption configuration cannot be changed after opting into using a customer-managed key at the time of workspace creation.
Review + create
< Previous
Next: Networking >





Create a dedicated sql pool


Microsoft Azure
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Copilot
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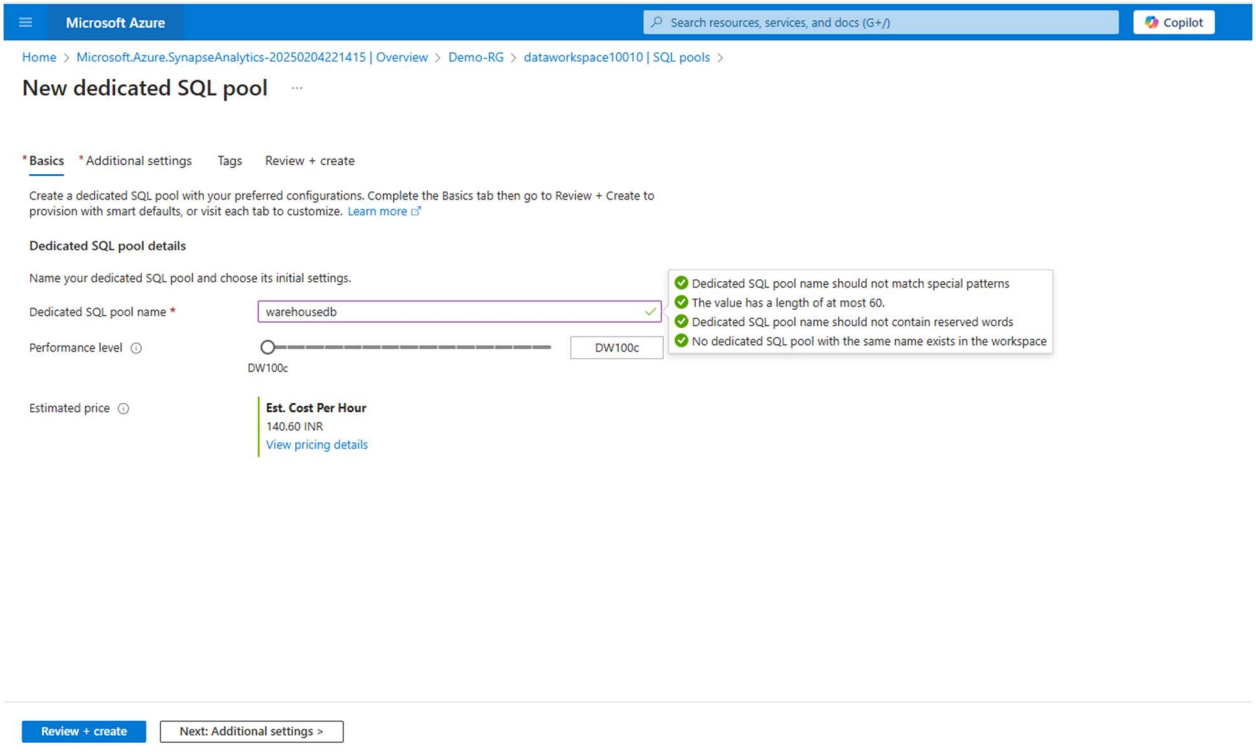
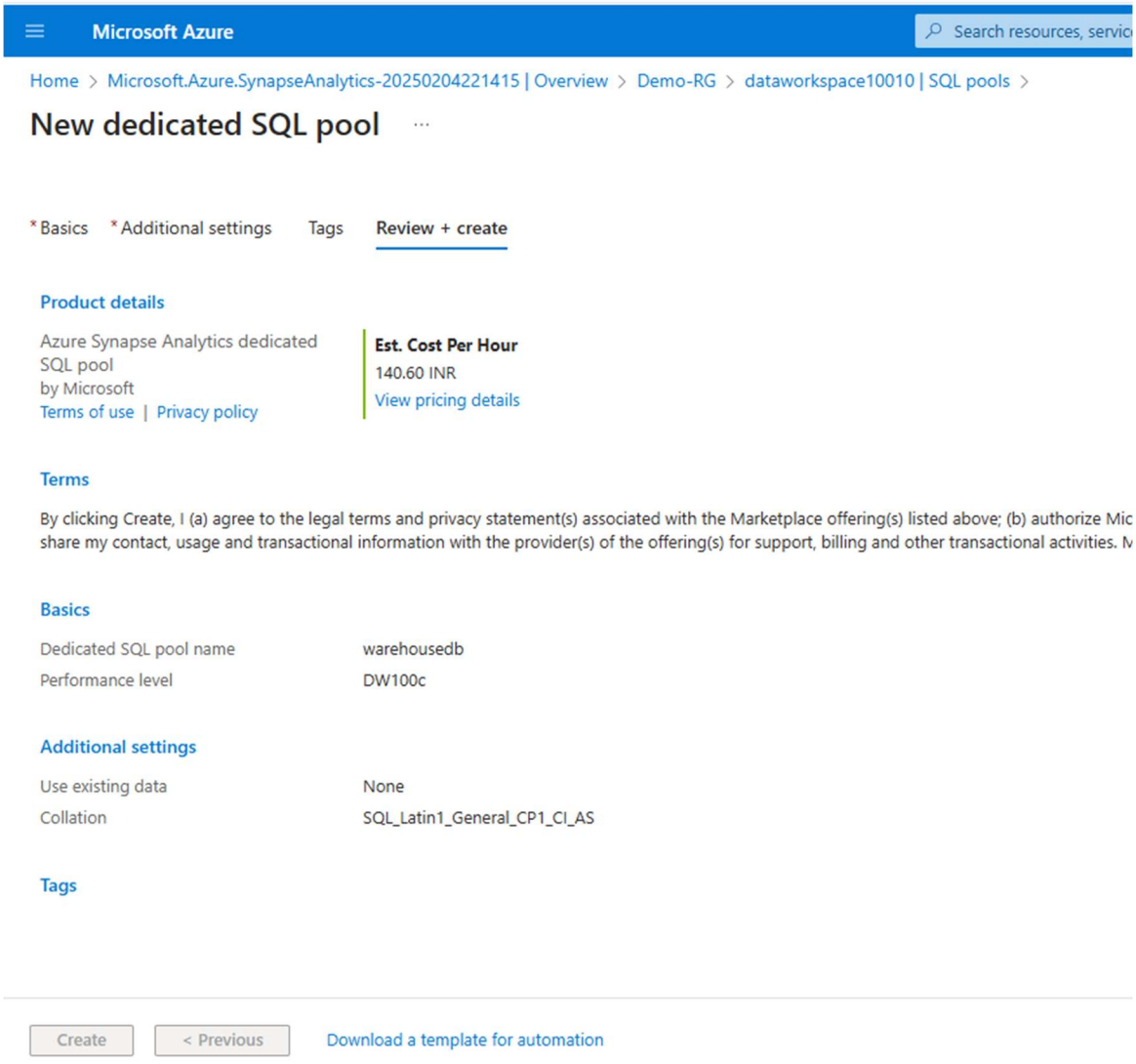
Home > Microsoft.Azure.SynapseAnalytics-20250204221415 | Overview > Demo-RG > dataworkspace10010
dataworkspace10010 | SQL pools
Synapse workspace
Search
Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems
Settings
Analytics pools
SQL pools
Apache Spark pools
Data Explorer pools (preview)
Security
Monitoring
Automation
Help
New
Refresh
Assign tags
Delete
Search to filter items...
Name
Type
Status
Size
Built-in
Serverless
N/A
Auto


Microsoft Azure
Search resources, services, and docs (G+/)
Copilot
Home > Microsoft.Azure.SynapseAnalytics-20250204221415 | Overview > Demo-RG > dataworkspace10010 | SQL pools >
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, or visit each tab to customize. Learn more
Dedicated SQL pool details
Name your dedicated SQL pool and choose its initial settings.
Dedicated SQL pool name *
warehousedb
Performance level
DW100c
DW100c
Dedicated SQL pool name should not match special patterns
The value has a length of at most 60.
Dedicated SQL pool name should not contain reserved words
No dedicated SQL pool with the same name exists in the workspace
Estimated price
Est. Cost Per Hour
140.60 INR
View pricing details
Review + create
Next: Additional settings >


Microsoft Azure
Search resources, servic
Home > Microsoft.Azure.SynapseAnalytics-20250204221415 | Overview > Demo-RG > dataworkspace10010 | SQL pools >
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
140.60 INR
View pricing details
Terms
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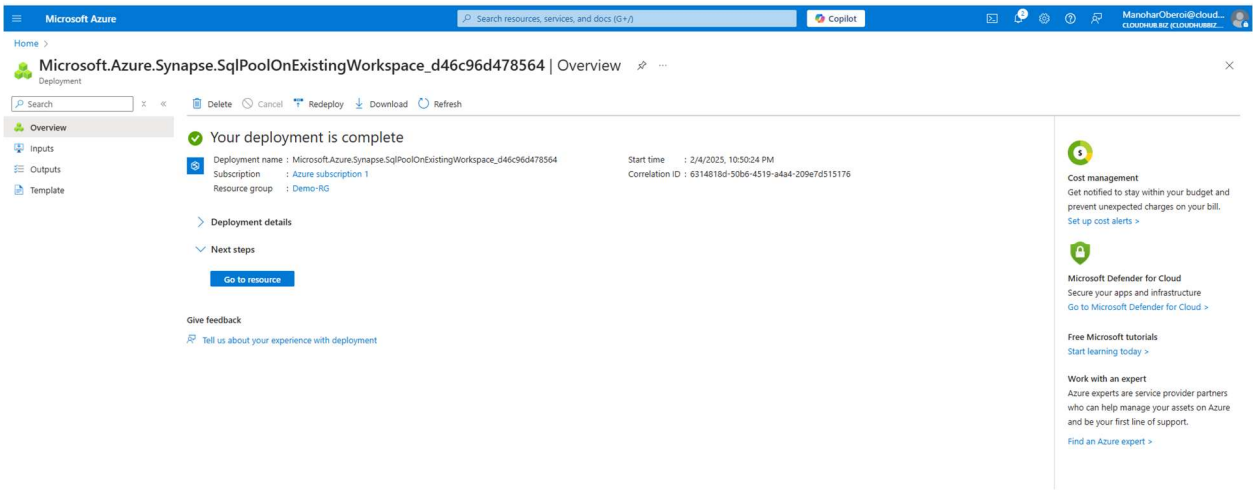
share my contact, usage and transactional information with the provider(s) of the offering(s) for support, billing and other transactional activities. M
Basics
Dedicated SQL pool name warehousedb
Performance level DW100c
Additional settings
Use existing data None
Collation SQL_Latin1_General_CP1_CI_AS
Tags
Create
< Previous
Download a template for automation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Copilot
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CLOUDHUB.BIZ (CLOUDHUB.BIZ...
Home >
Microsoft.Azure.Synapse.SqlPoolOnExistingWorkspace_d46c96d478564 | Overview
Deployment
Search
Overview
Inputs
Outputs
Template
Delete
Cancel
Redeploy
Download
Refresh
Your deployment is complete
Deployment name : Microsoft.Azure.Synapse.SqlPoolOnExistingWorkspace_d46c96d478564
Subscription : Azure subscription 1
Resource group : Demo-RG
Start time : 2/4/2025, 10:50:24 PM
Correlation ID : 6314818d-50b6-4519-a4a4-209e7d515176
Deployment details
Next steps
Go to resource
Give feedback
Tell us about your experience with deployment
Cost management
Get notified to stay within your budget and prevent unexpected charges on your bill.
Set up cost alerts >
Microsoft Defender for Cloud
Secure your apps and infrastructure
Go to Microsoft Defender for Cloud >
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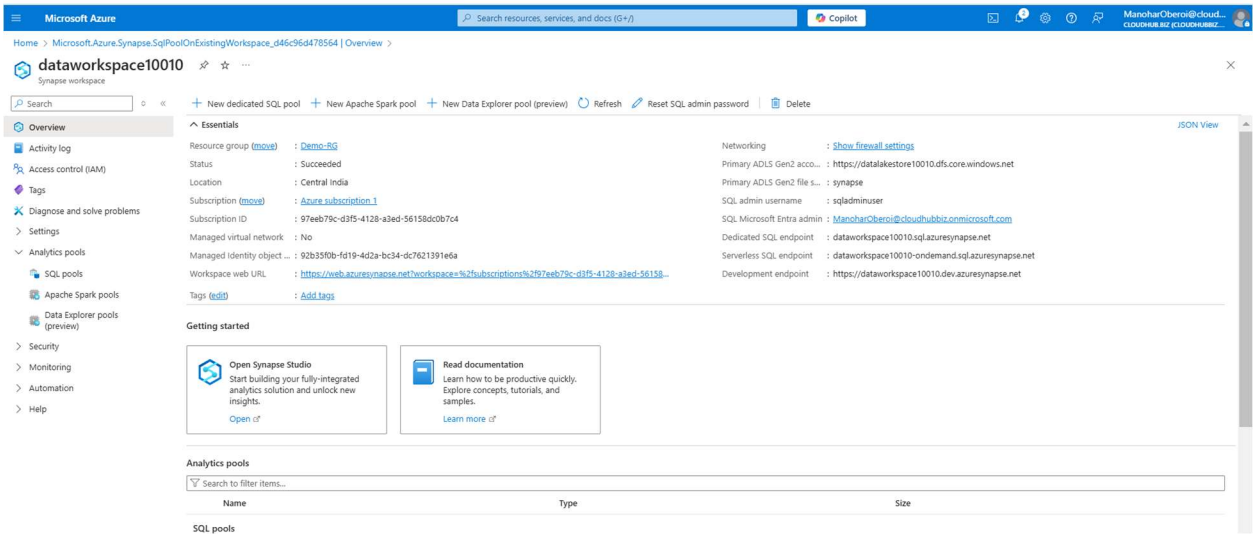
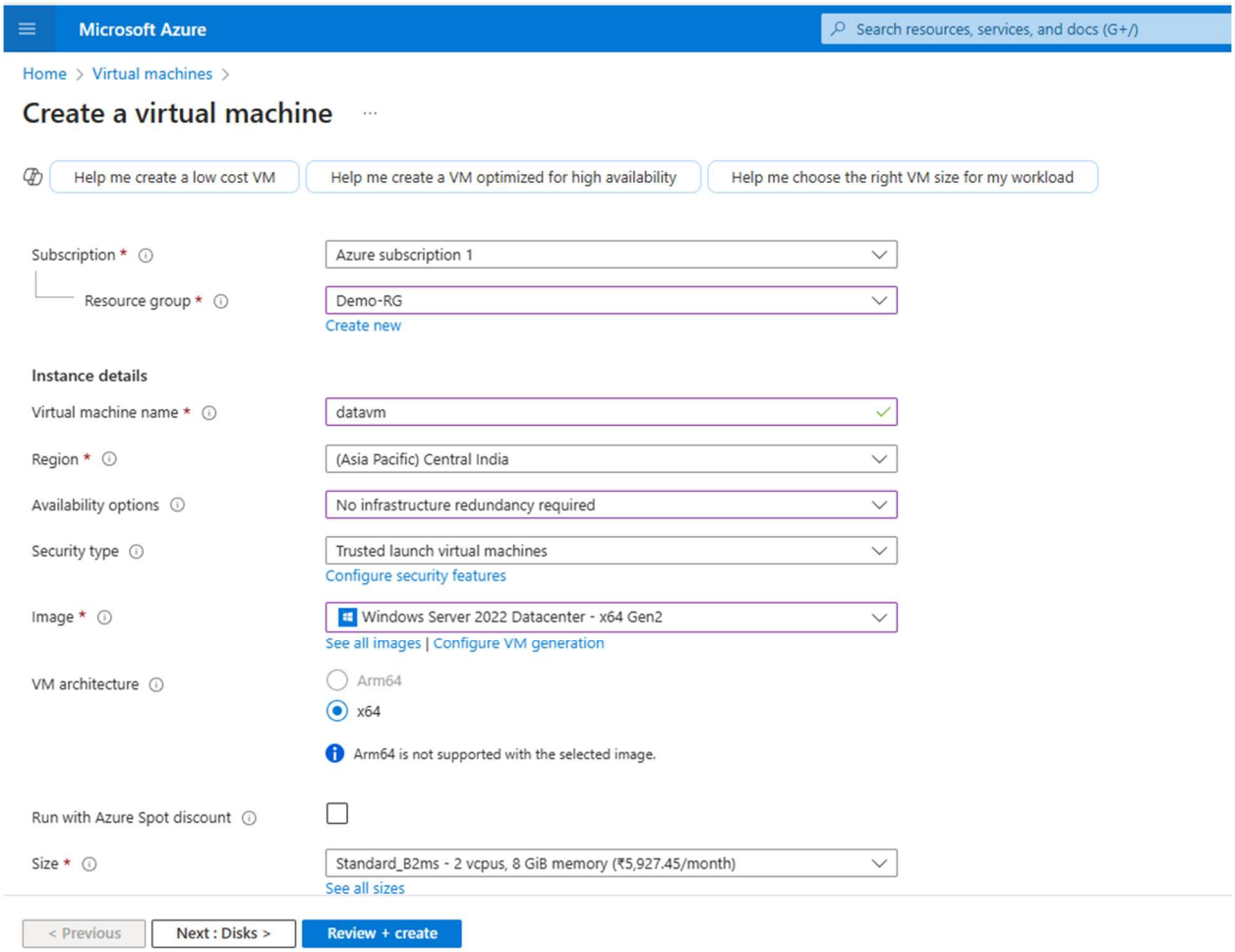
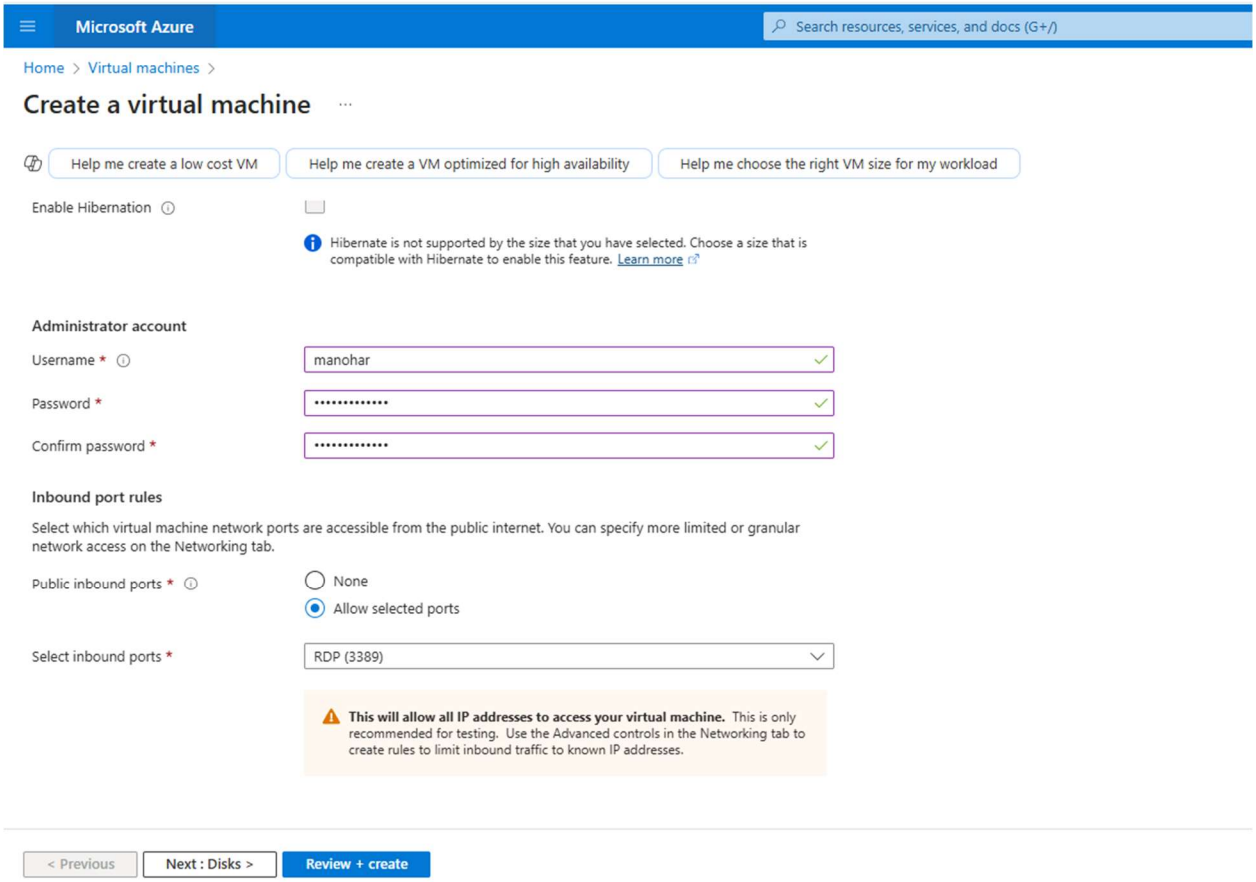
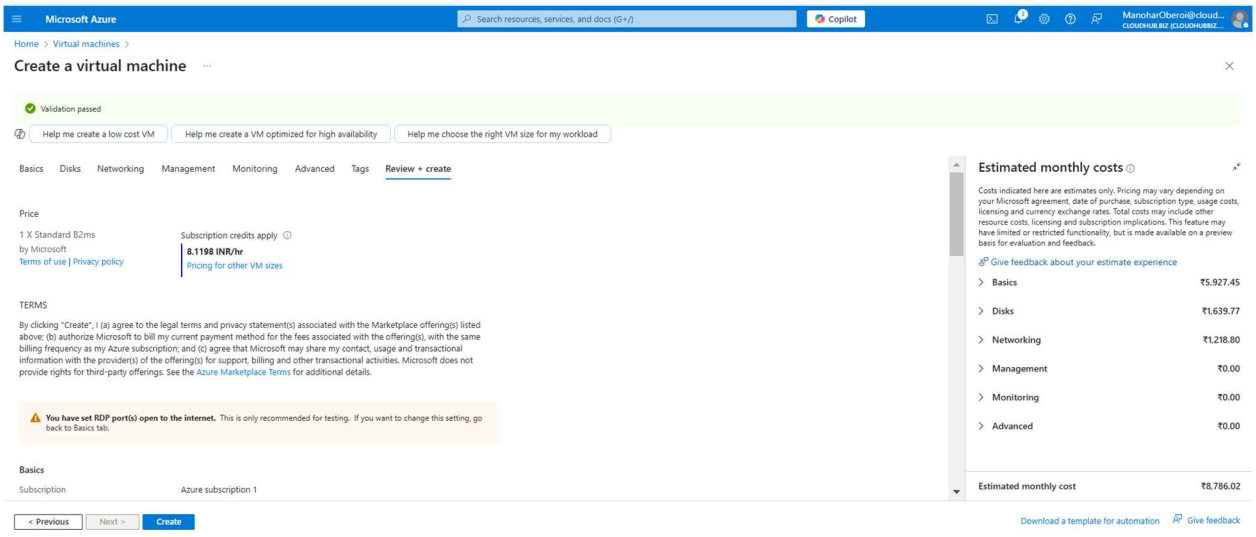


Create a virtual machine




Microsoft Azure
Search resources, services, and docs (G+/)
Home > Virtual machines >
Create a virtual machine
Help me create a low cost VM
Help me create a VM optimized for high availability
Help me choose the right VM size for my workload
Enable Hibernation
Hibernate is not supported by the size that you have selected. Choose a size that is compatible with Hibernate to enable this feature. Learn more
Administrator account
Username *
manohar
Password *
Confirm password *
Inbound port rules
Select which virtual machine network ports are accessible from the public internet. You can specify more limited or granular network access on the Networking tab.
Public inbound ports *
None
Allow selected ports
Select inbound ports *
RDP (3389)
This will allow all IP addresses to access your virtual machine. This is only recommended for testing. Use the Advanced controls in the Networking tab to create rules to limit inbound traffic to known IP addresses.
< Previous
Next : Disks >
Review + create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Home > Virtual machines >
Create a virtual machine
Validation passed
Help me create a low cost VM
Help me create a VM optimized for high availability
Help me choose the right VM size for my workload
Basics Disks Networking Management Monitoring Advanced Tags Review + create
Price
1 X Standard B2ms
by Microsoft
Terms of use | Privacy policy
Subscription credits apply
8.1198 INR/hr
Pricing for other VM sizes
TERMS
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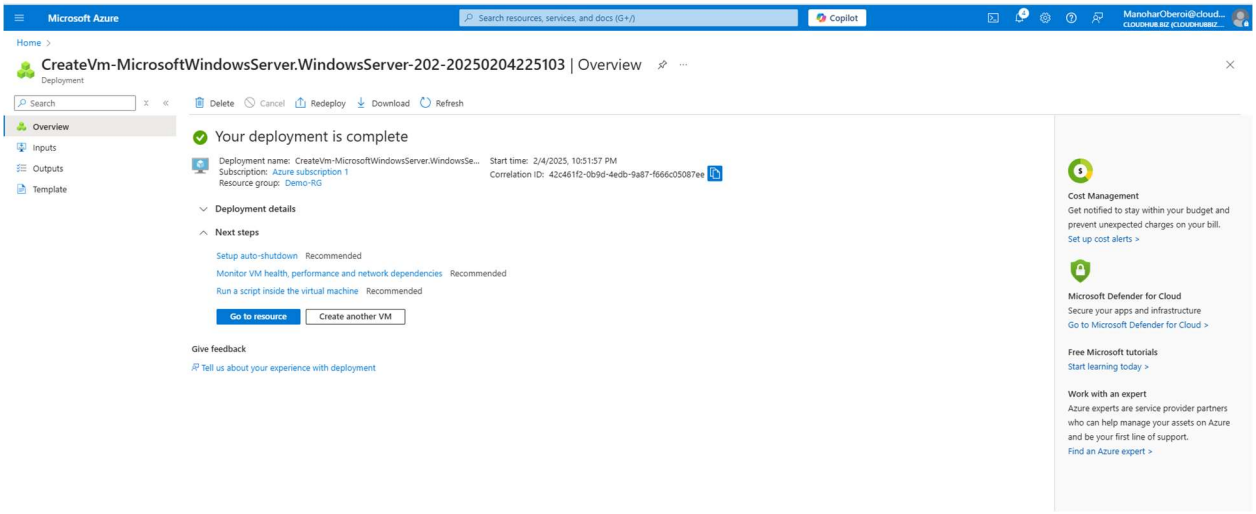
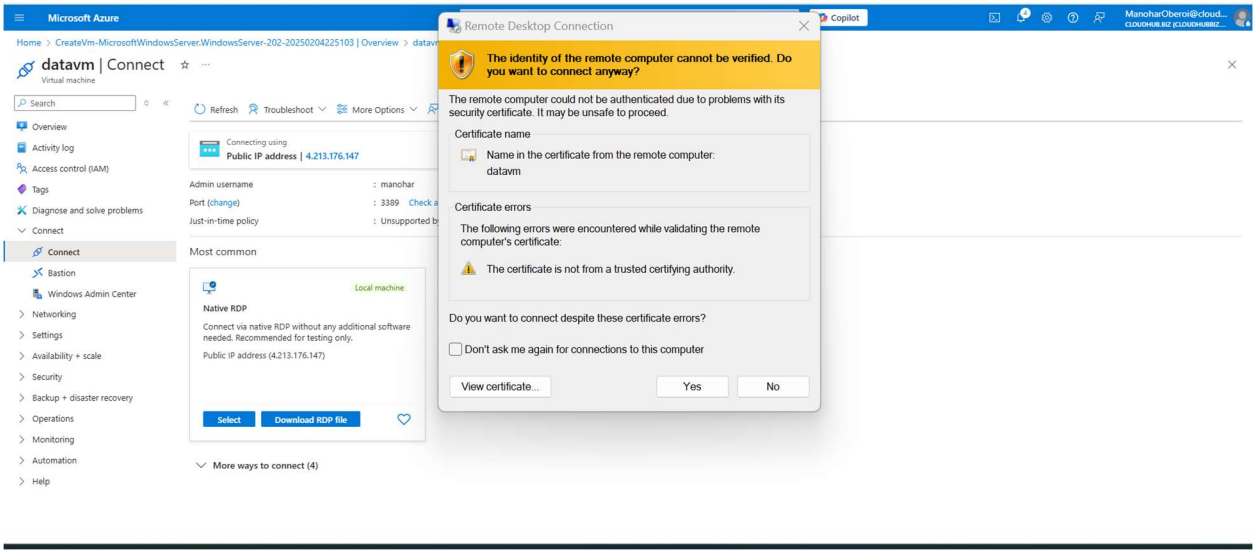
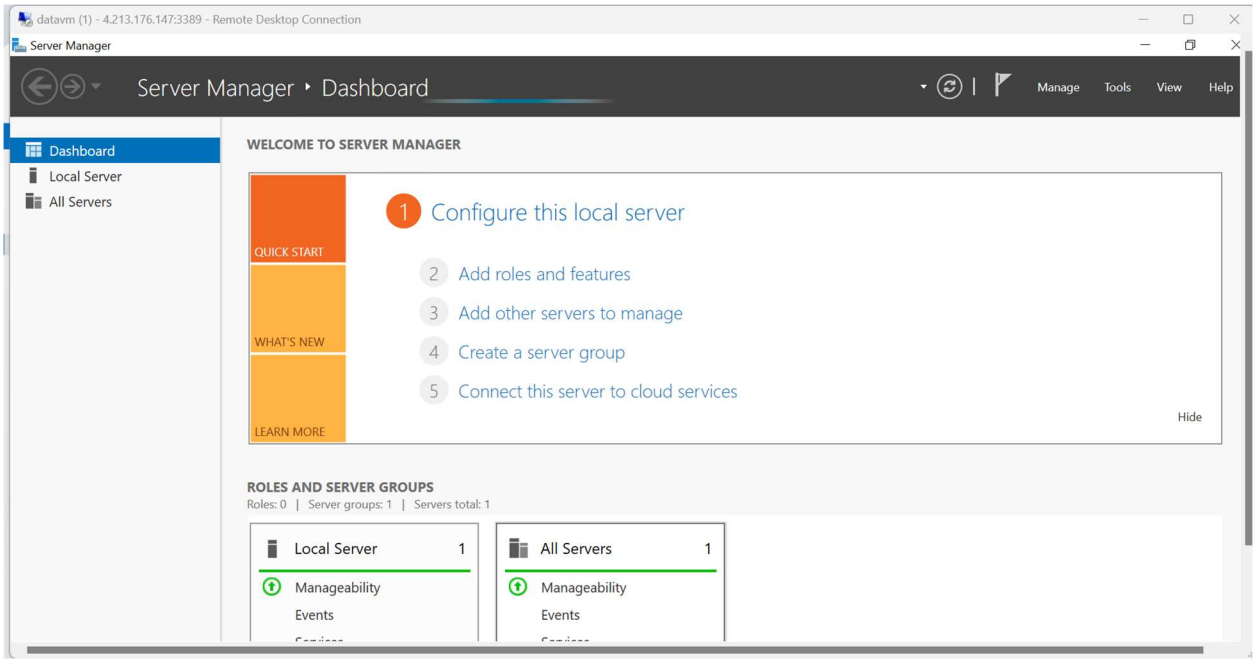
You have set RDP port(s) open to the internet. This is only recommended for testing. If you want to change this setting, go back to Basics tab.
Basics
Subscription
Azure subscription 1
Estimated monthly costs
Costs indicated here are estimates only. Pricing may vary depending on your Microsoft agreement, date of purchase, subscription type, usage costs, licensing and currency exchange rates. Total costs may include other resource costs, licensing and subscription implications. This feature may have limited or restricted functionality, but is made available on a preview basis for evaluation and feedback.
Give feedback about your estimate experience
Basics ₹5,927.45
Disks ₹1,639.77
Networking ₹1,218.80
Management ₹0.00
Monitoring ₹0.00
Advanced ₹0.00
Estimated monthly cost ₹8,786.02
< Previous
Next >
Create
Download a template for automation
Give feedback

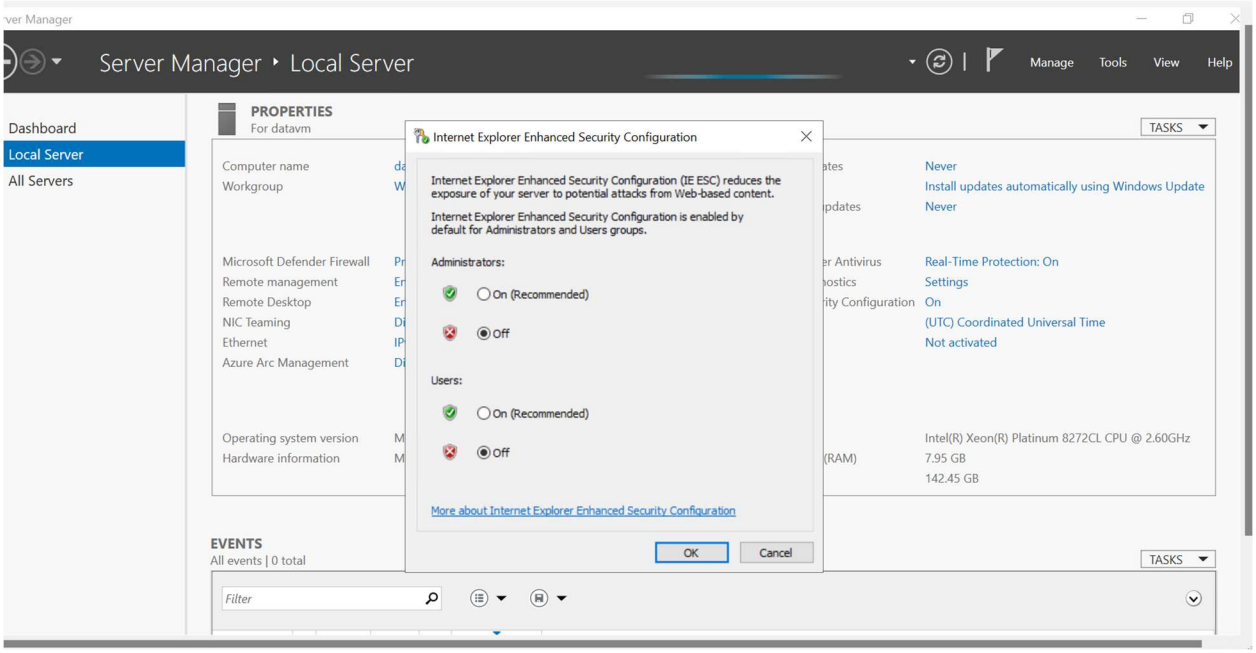


Connect to the VM

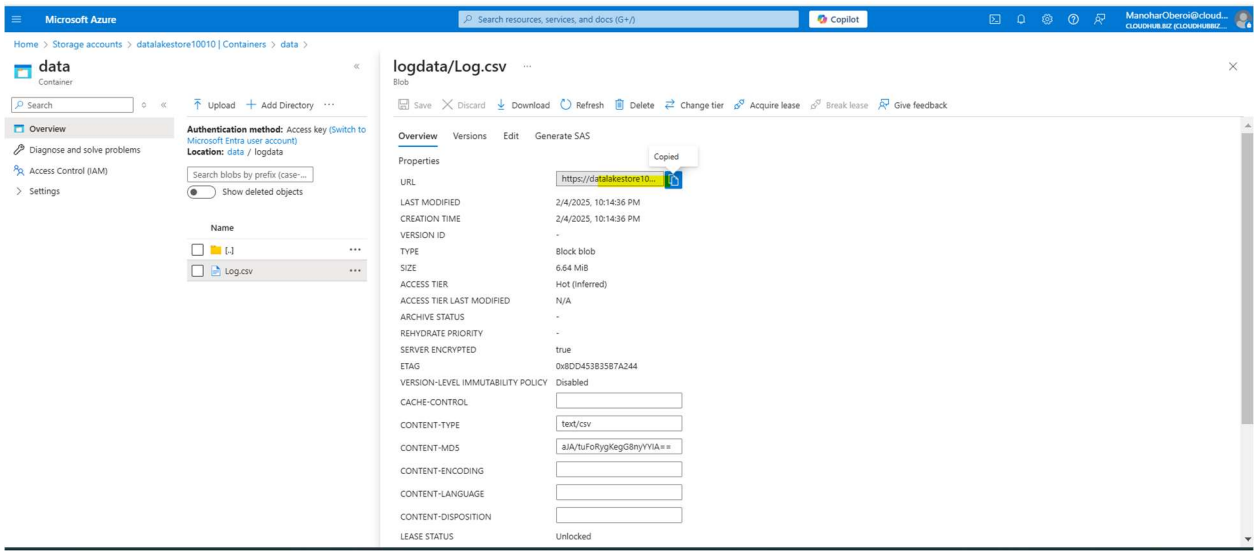




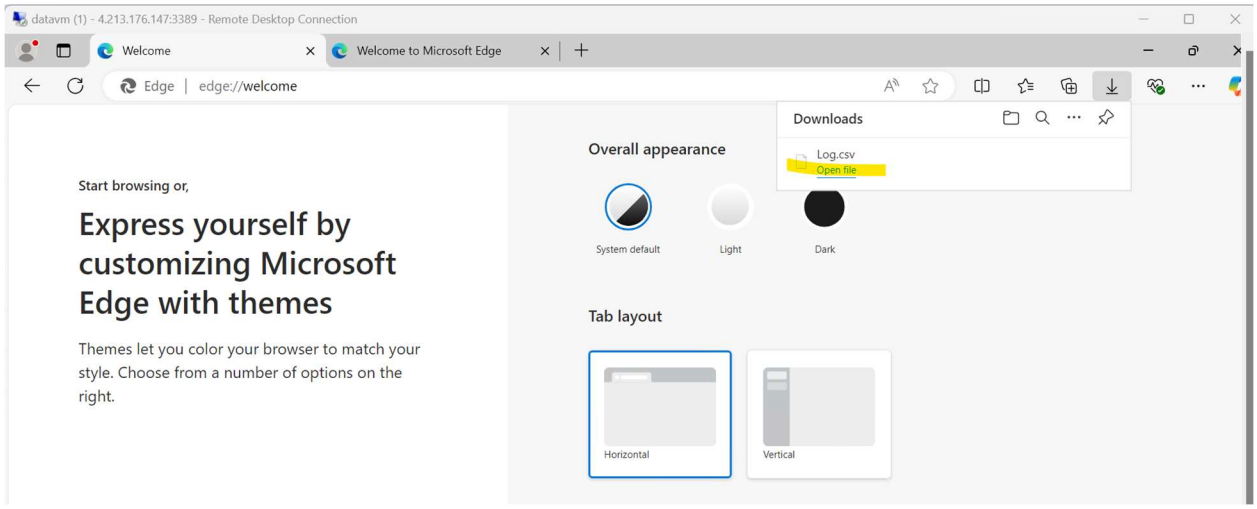
Disable IE Enhanced configuration setting



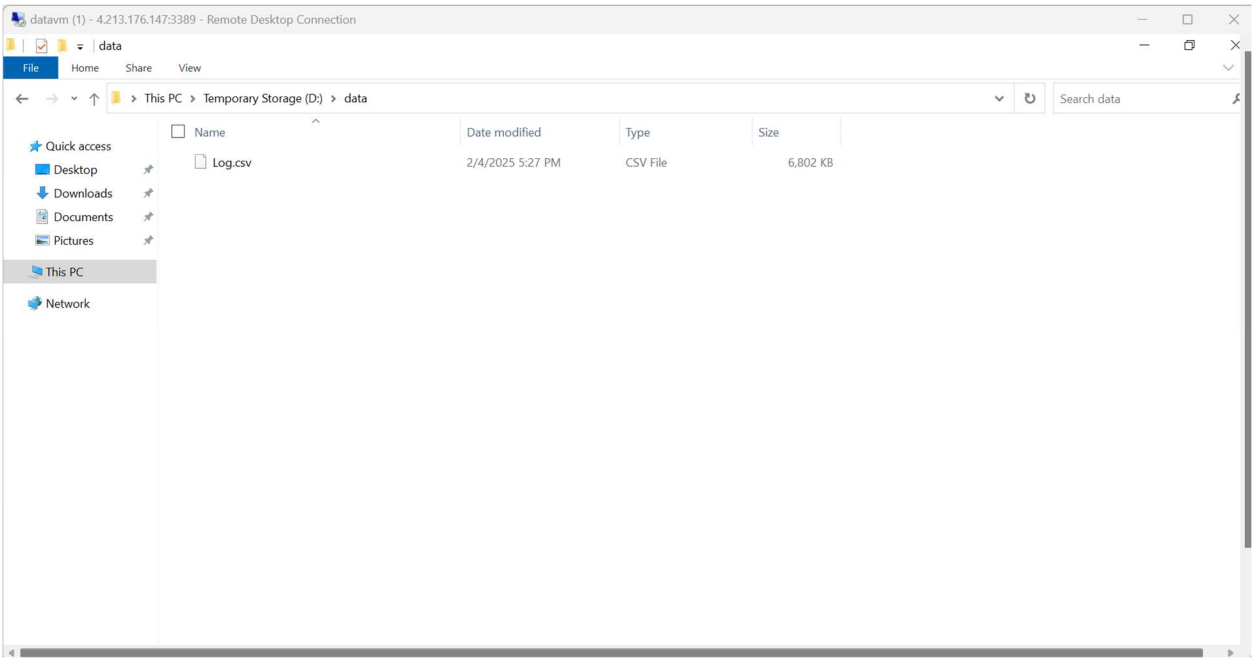
Copy the blob URL



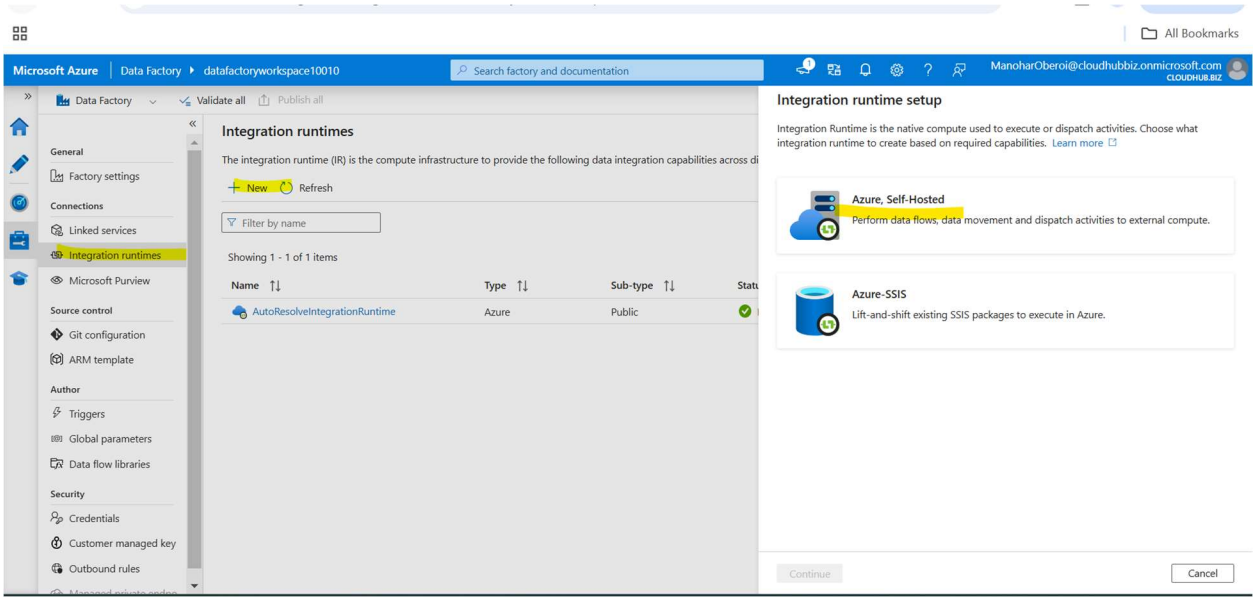
Download the log.csv file and store in the temp directory

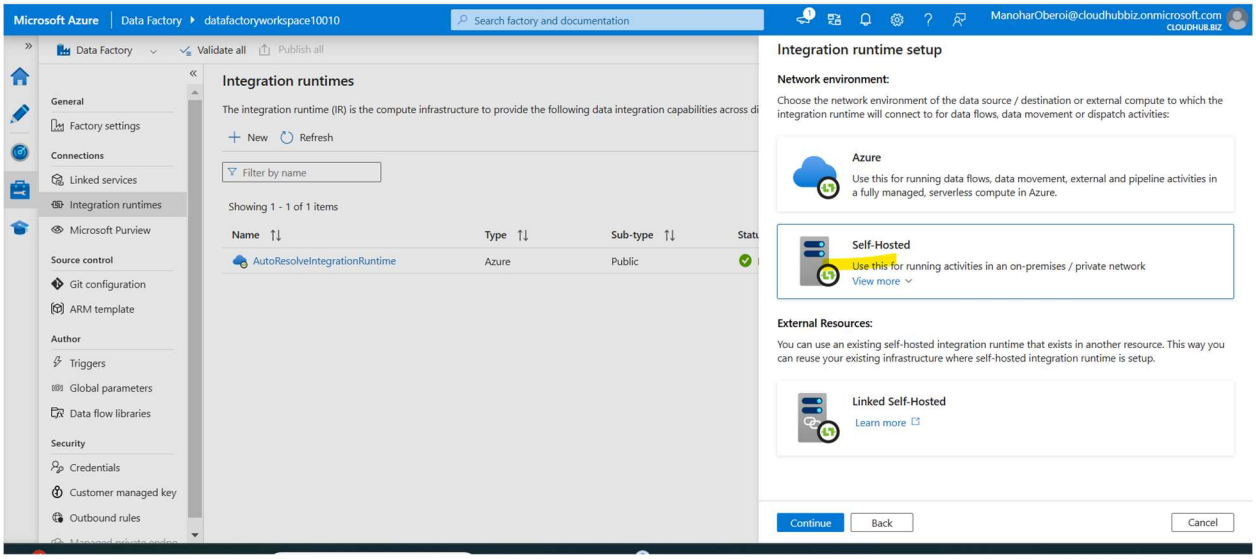


D:\data



Create a new integration runtime on azure data factory




Microsoft Azure
Data Factory
datafactoryworkspace10010
Search factory and documentation
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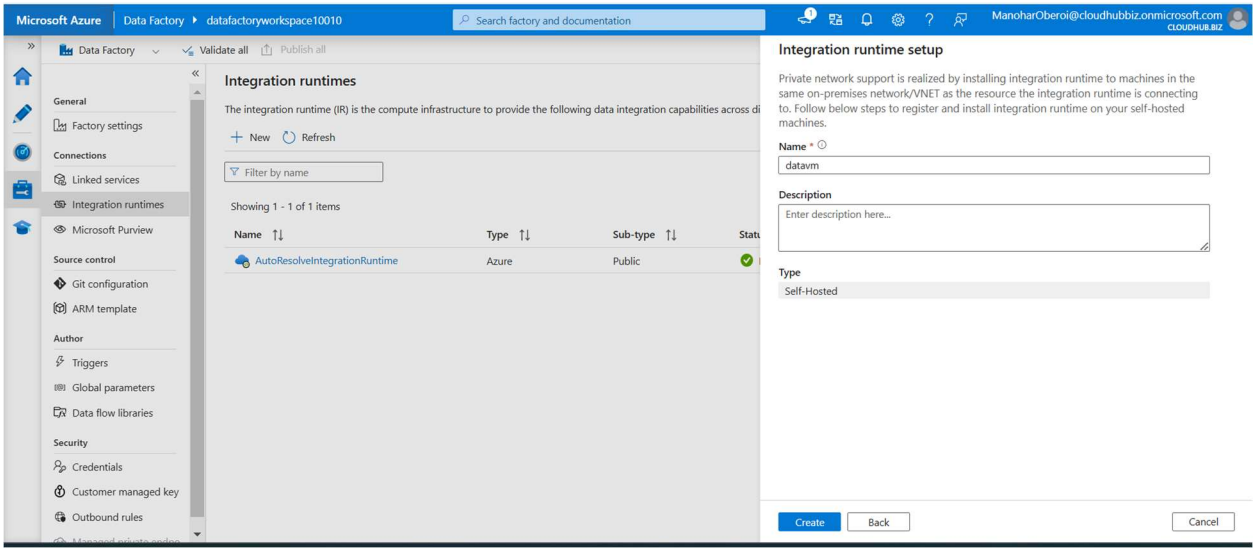
Data Factory
Validate all
Publish all
General
Factory settings
Connections
Linked services
Integration runtimes
Microsoft Purview
Source control
Git configuration
ARM template
Author
Triggers
Global parameters
Data flow libraries
Security
Credentials
Customer managed key
Outbound rules
Integration runtimes
The integration runtime (IR) is the compute infrastructure to provide the following data integration capabilities across di
New
Refresh
Filter by name
Showing 1 - 1 of 1 items
Name
Type
Sub-type
AutoResolveIntegrationRuntime
Azure
Public
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-premises / 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
Continue
Back
Cancel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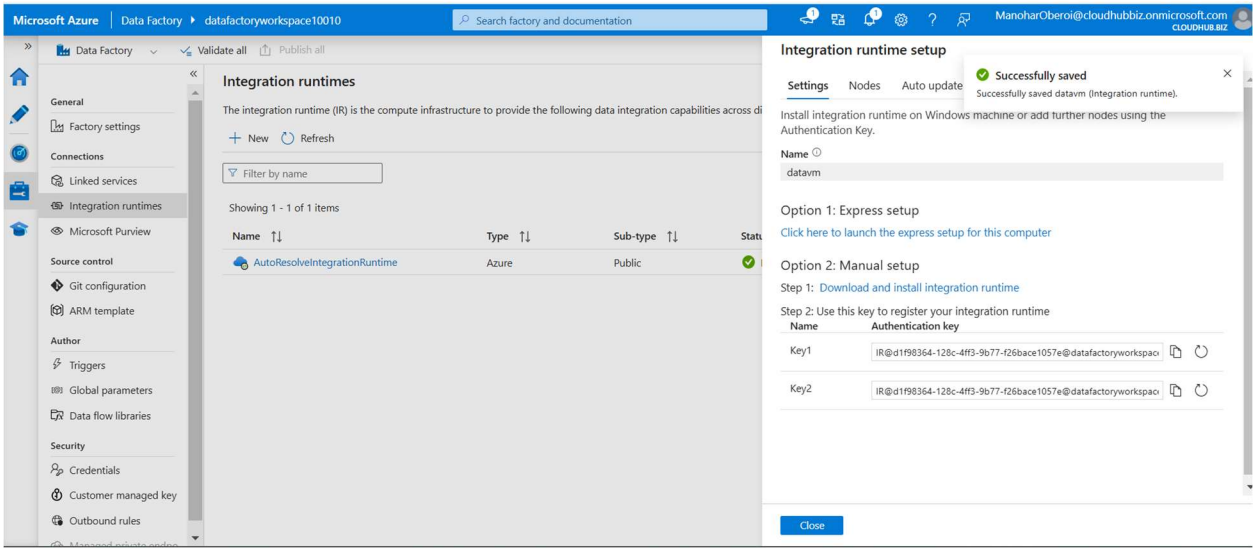
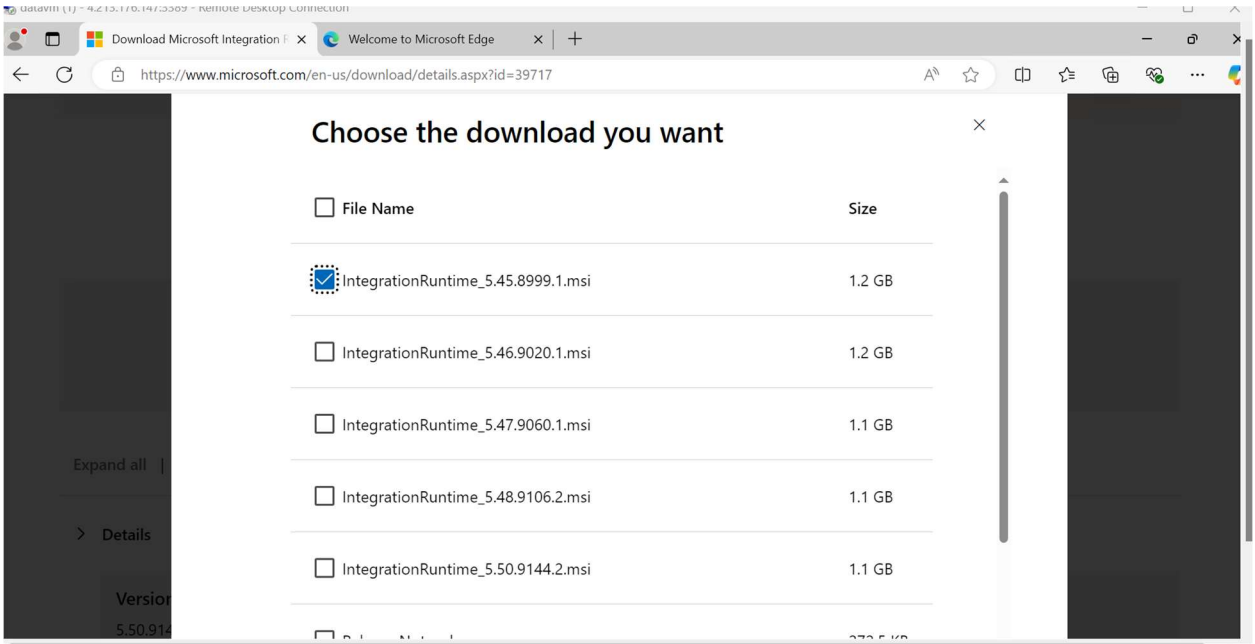
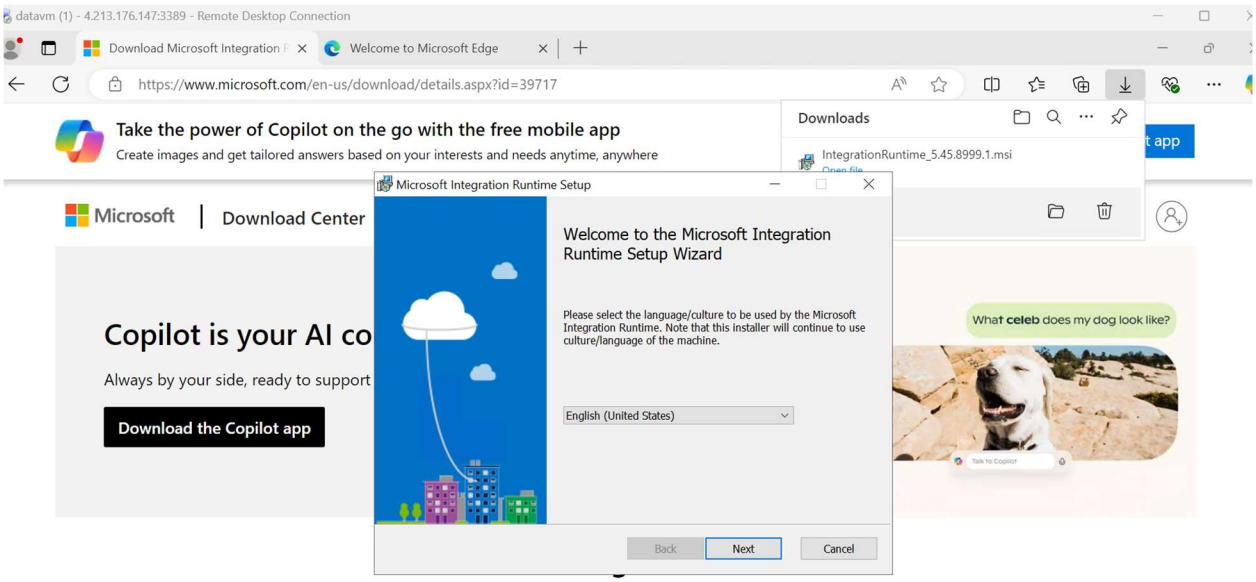
Data Factory
Validate all
Publish all
General
Factory settings
Connections
Linked services
Integration runtimes
Microsoft Purview
Source control
Git configuration
ARM template
Author
Triggers
Global parameters
Data flow libraries
Security
Credentials
Customer managed key
Outbound rules
Integration runtimes
The integration runtime (IR) is the compute infrastructure to provide the following data integration capabilities across di
New
Refresh
Filter by name
Showing 1 - 1 of 1 items
Name
Type
Sub-type
AutoResolveIntegrationRuntime
Azure
Public
Integration runtime setup
Private network support is realized by installing integration runtime to machines in the same on-premises network/VNET as the resource the integration runtime is connecting to. Follow below steps to register and install integration runtime on your self-hosted machines.
Name *
datavm
Description
Enter description here...
Type
Self-Hosted
Create
Back
Cancel



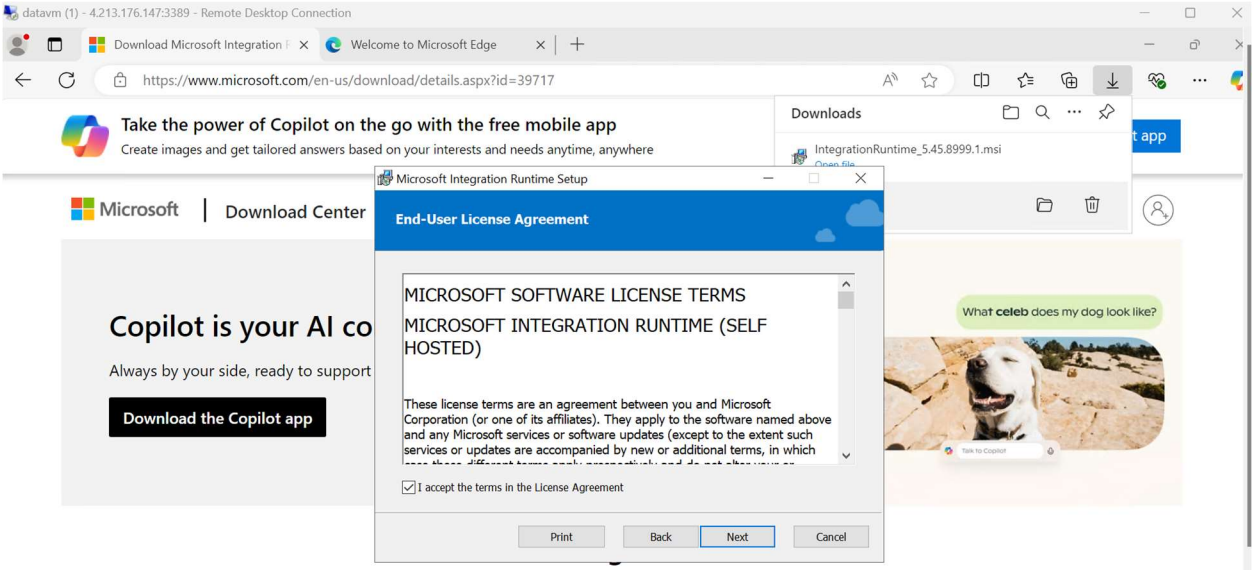
Download & install integration runtime on VM

https://www.microsoft.com/en-us/download/details.aspx?id=39717





The Microsoft Integration Runtime is a customer managed data integration infrastructure used by Azure Data Factory and Azure Synapse Analytics to provide data integration capabilities across different network environments.



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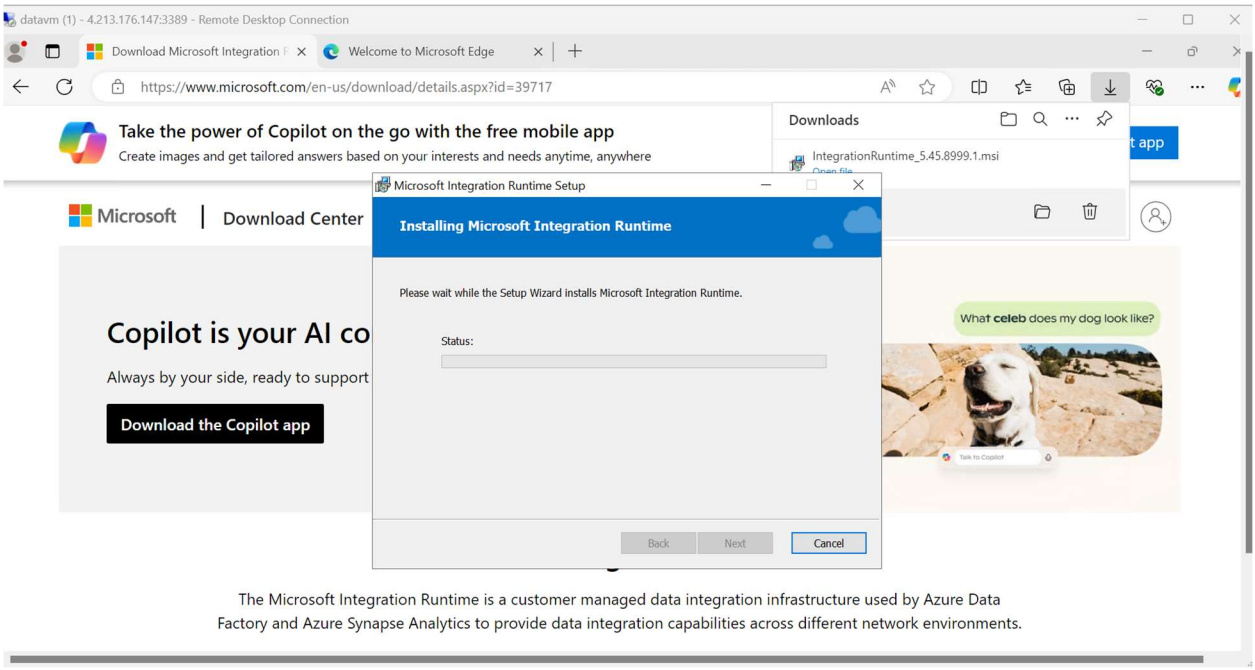
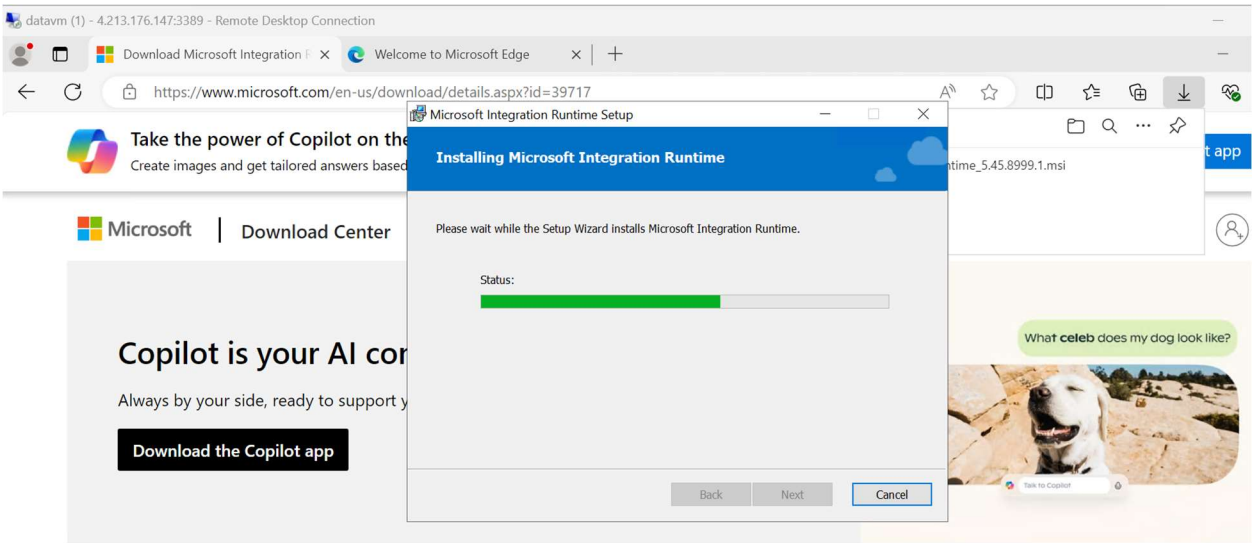
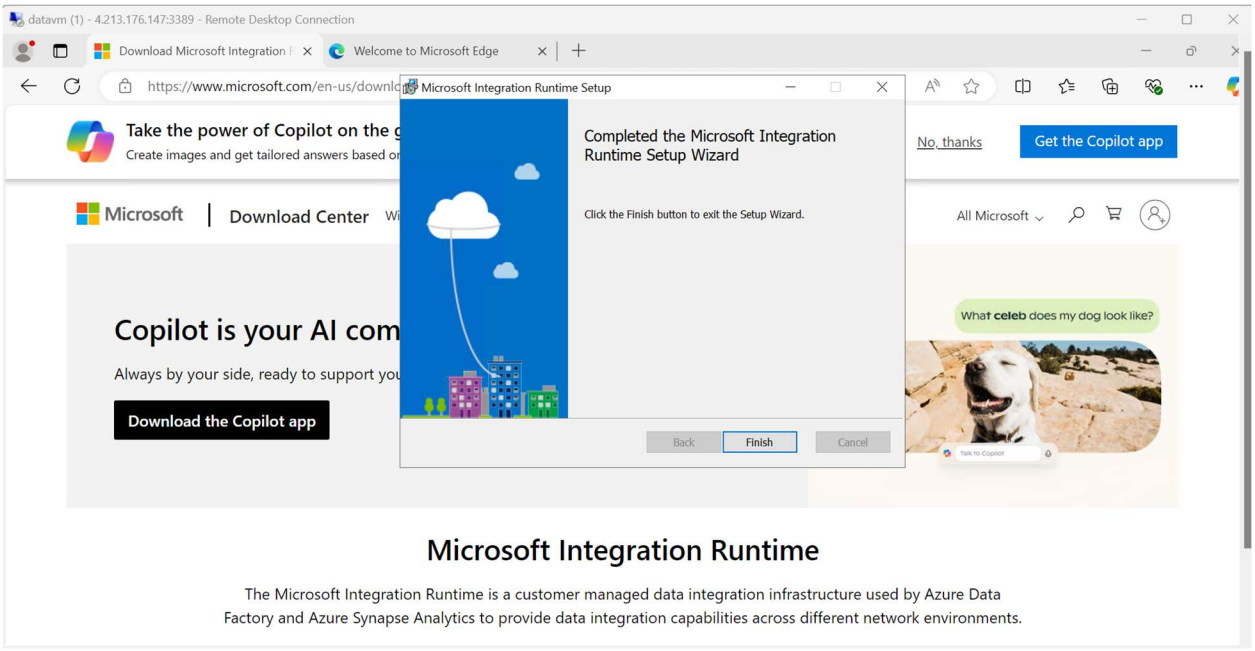


The Microsoft Integration Runtime is a customer managed data integration infrastructure used by Azure Data Factory and Azure Synapse Analytics to provide data integration capabilities across different network environments.



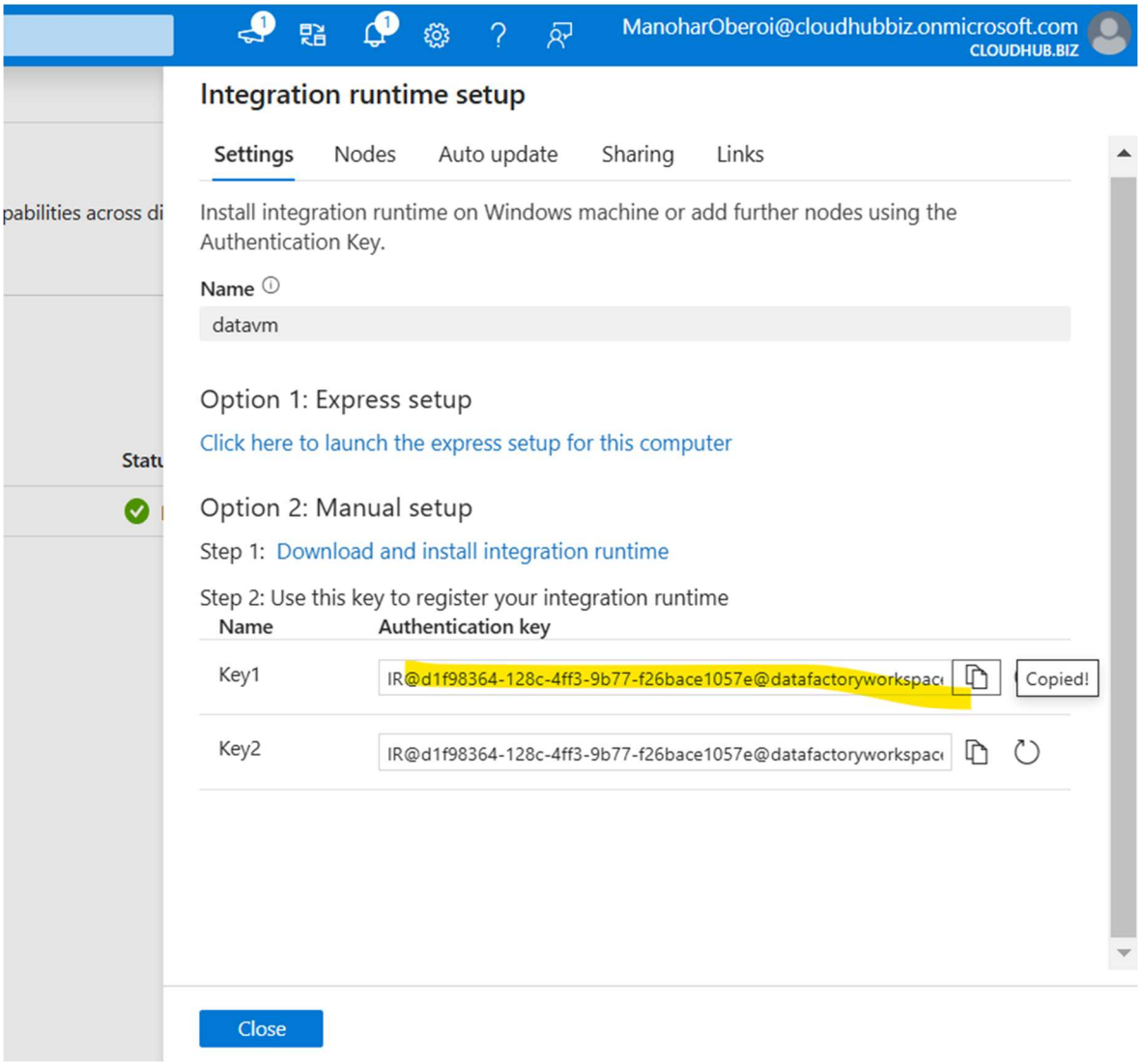
Microsoft Integration Runtime

The Microsoft Integration Runtime is a customer managed data integration infrastructure used by Azure Data

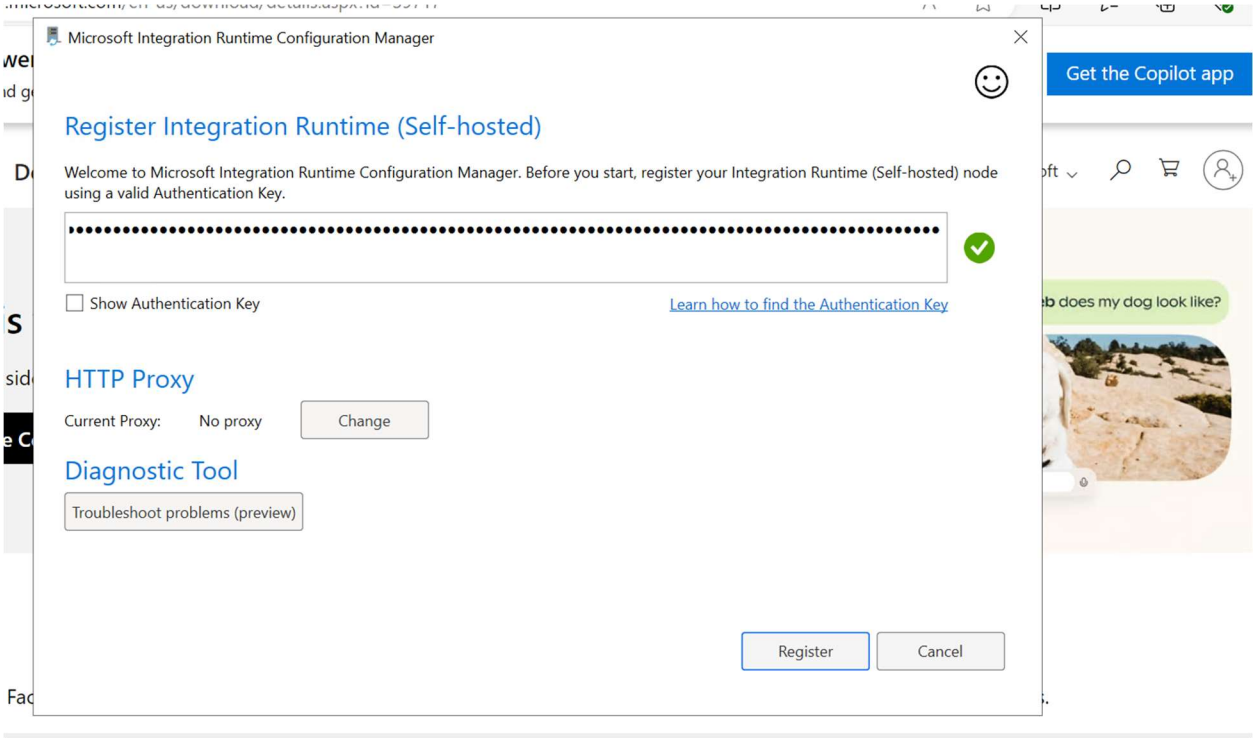


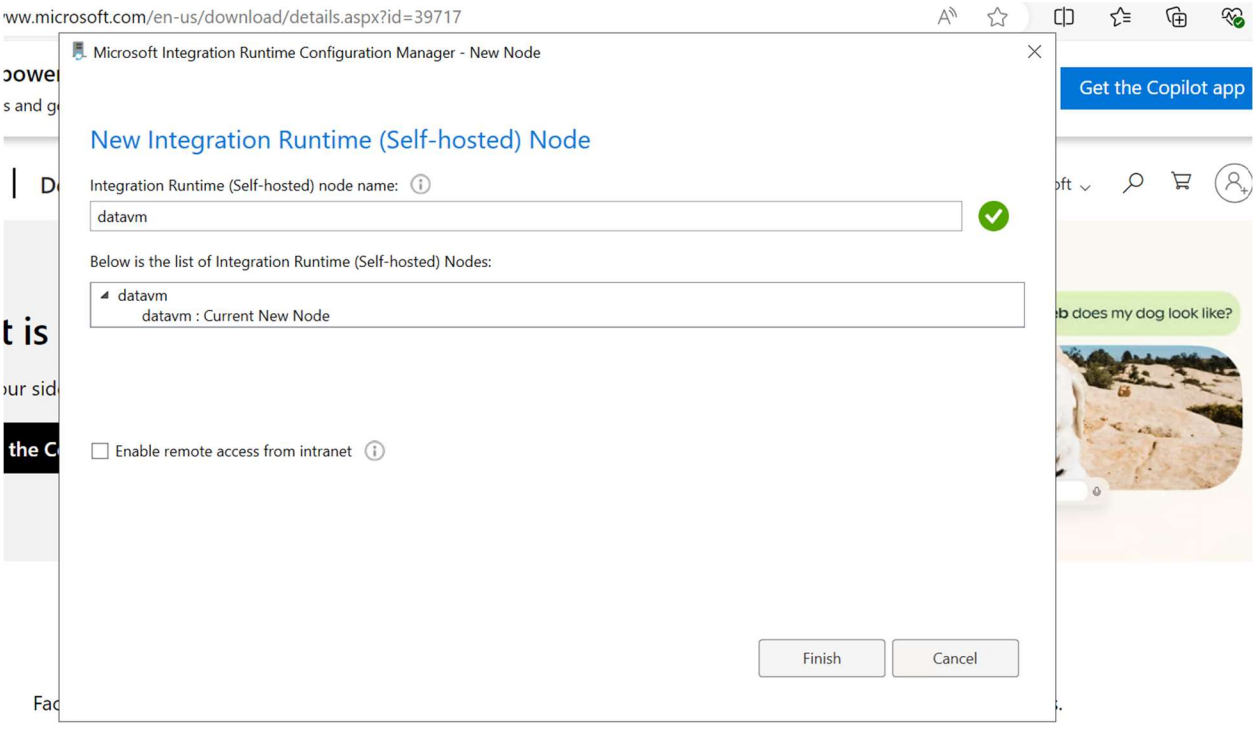
Register the VM

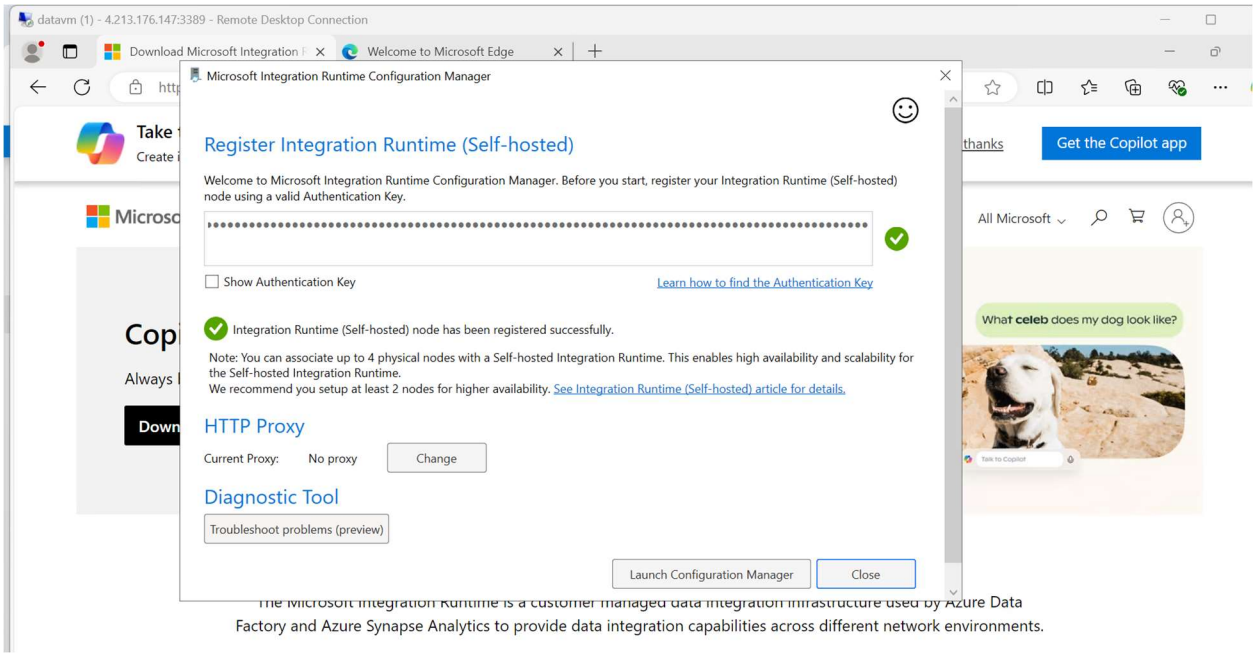
Copy one of the Key



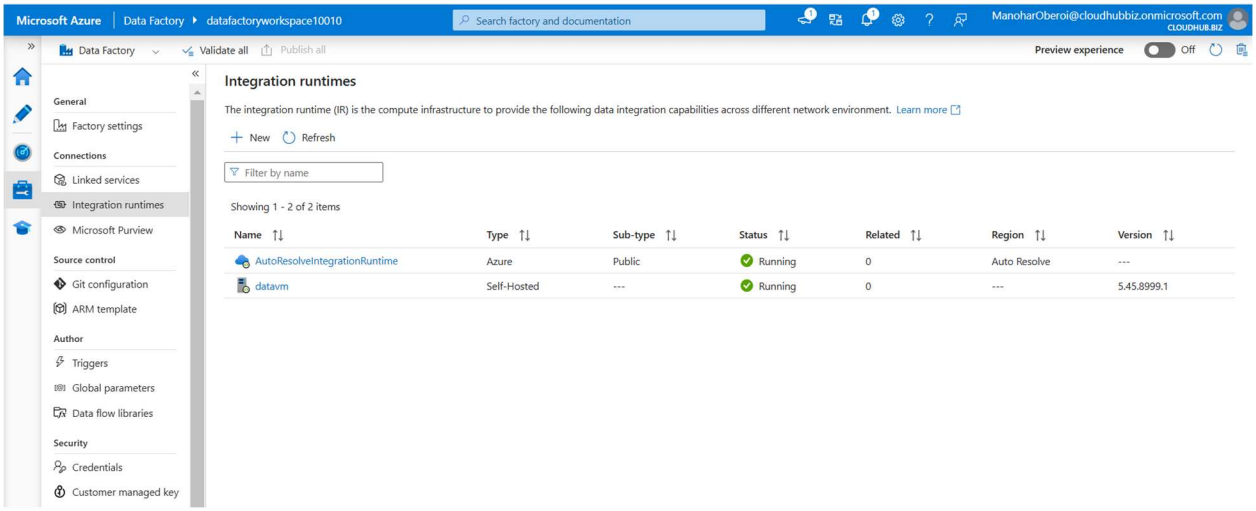
Paste the key in the configuration manager & click on register


Microsoft Integration Runtime Configuration Manager
Register Integration Runtime (Self-hosted)
Welcome to Microsoft Integration Runtime Configuration Manager. Before you start, register your Integration Runtime (Self-hosted) node using a valid Authentication Key.
Show Authentication Key
Learn how to find the Authentication Key
HTTP Proxy
Current Proxy: No proxy
Change
Diagnostic Tool
Troubleshoot problems (preview)
Register
Cancel
Get the Copilot app
does my dog look like?

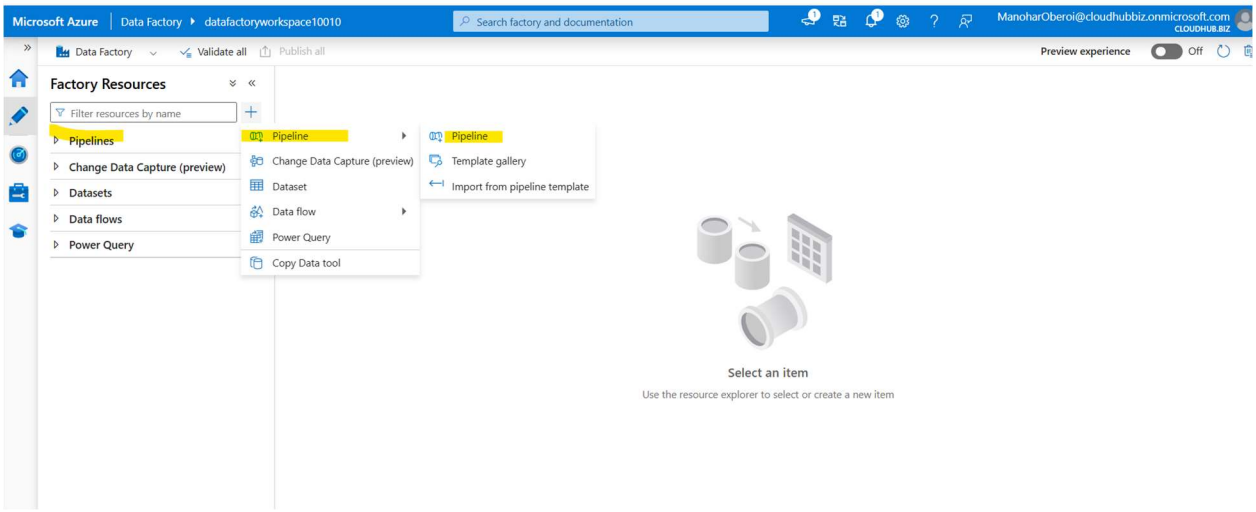

Microsoft Integration Runtime Configuration Manager - New Node
New Integration Runtime (Self-hosted) Node
Integration Runtime (Self-hosted) node name:
datavm
Below is the list of Integration Runtime (Self-hosted) Nodes:
datavm
datavm : Current New Node
Enable remote access from intranet
Finish
Cancel
Get the Copilot app
does my dog look like?



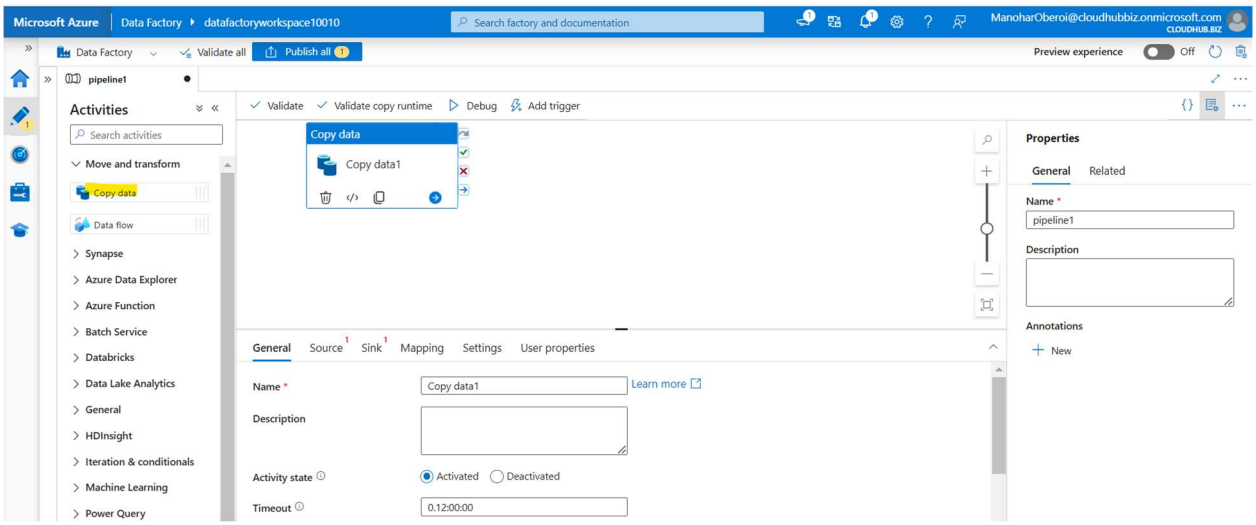
The Microsoft Integration Runtime is a customer managed data integration infrastructure used by Azure Data Factory and Azure Synapse Analytics to provide data integration capabilities across different network environments.

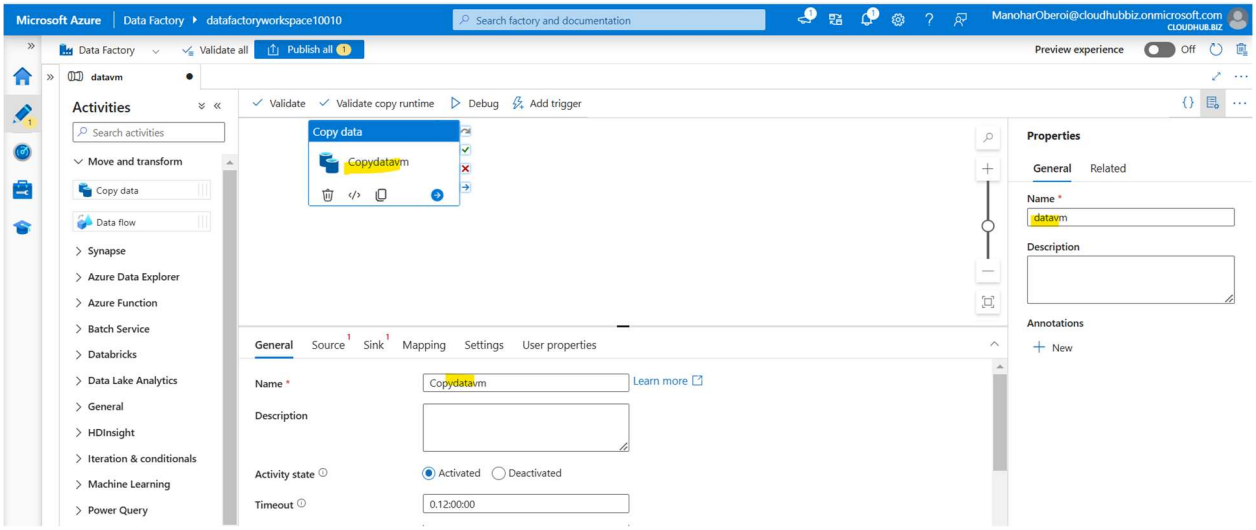


Create a pipeline in azure data factory

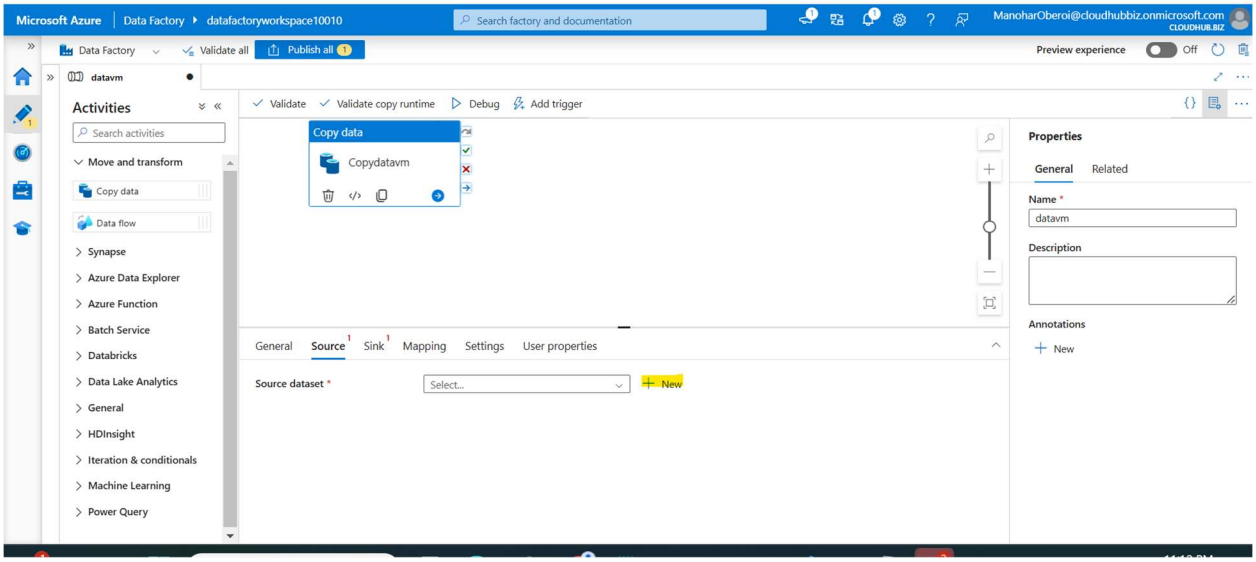


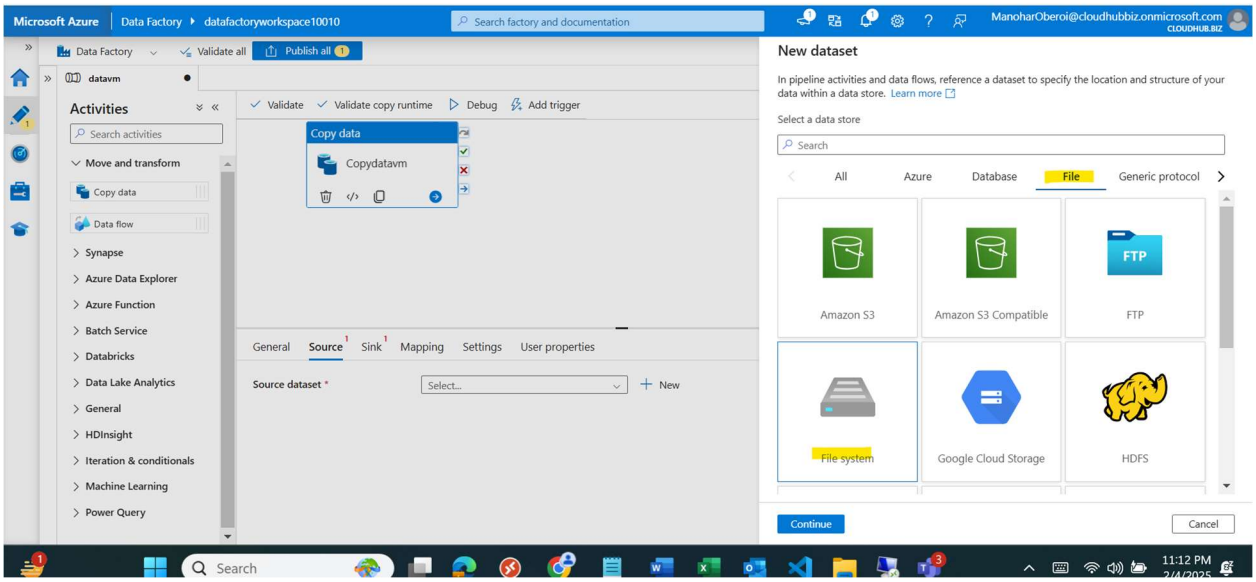
Drag copy data to the empty space





Create a source dataset

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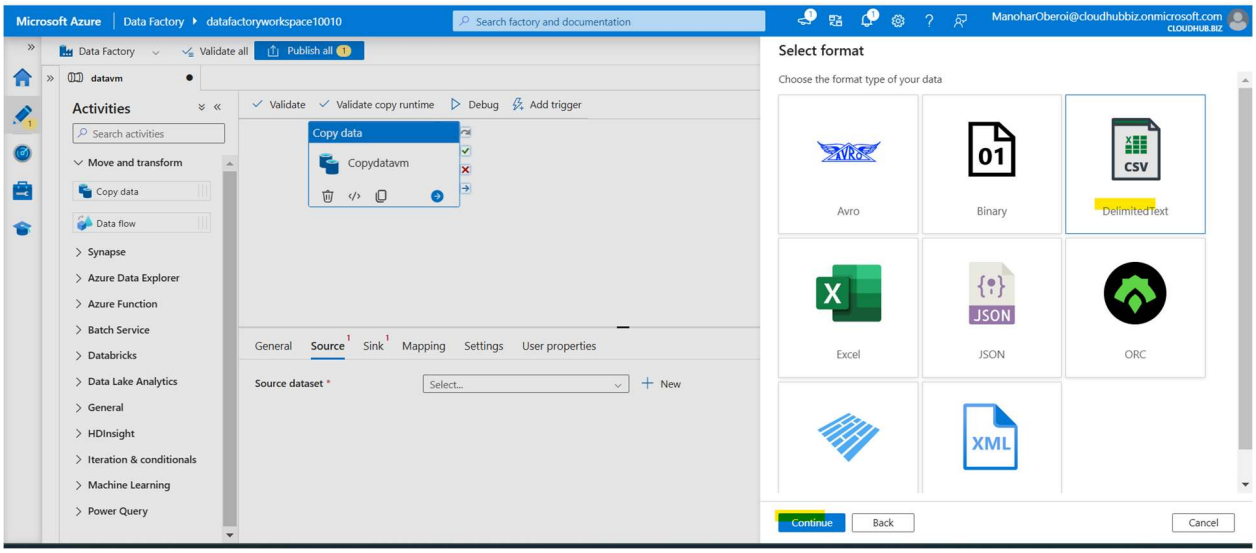
Data Lake Analytics
General
HDInsight
Iteration & conditionals
Machine Learning
Power Query
Validate
Validate copy runtime
Debug
Add trigger
Copy data
Copydatavm
General
Source
Sink
Mapping
Settings
User properties
Source dataset *
Select...
New
New dataset
In pipeline activities and data flows, reference a dataset to specify the location and structure of your data within a data store. Learn more
Select a data store
Search
All
Azure
Database
File
Generic protocol
Amazon S3
Amazon S3 Compatible
FTP
File system
Google Cloud Storage
HDFS
Continue
Cancel
Search
11:12 PM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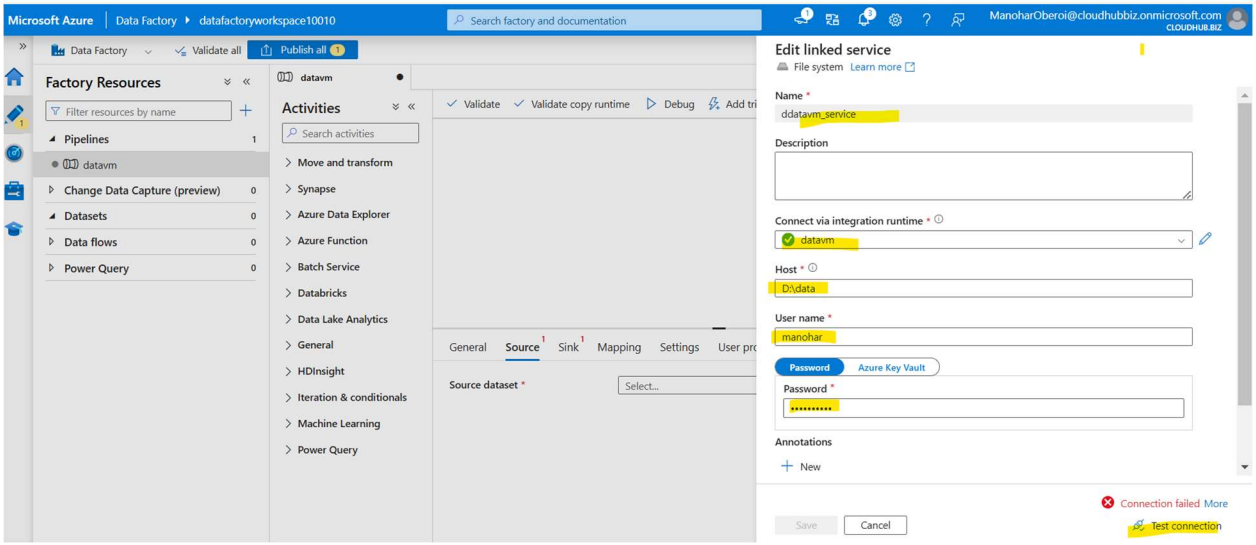
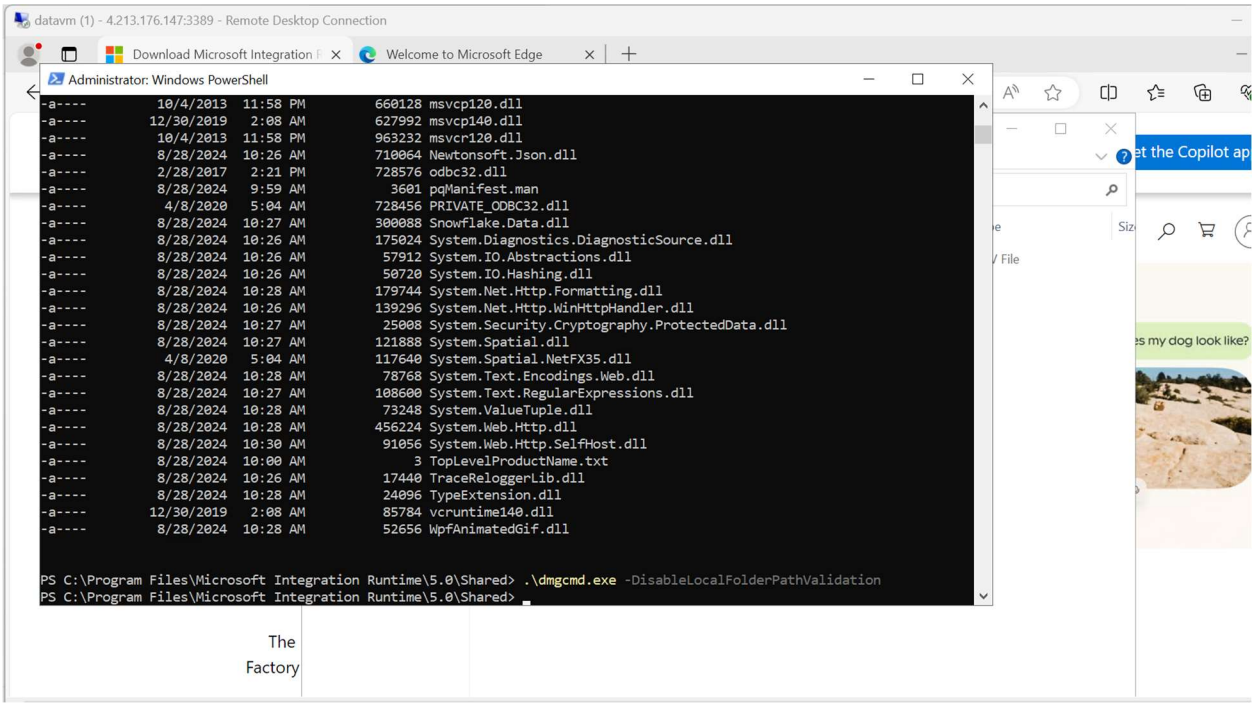
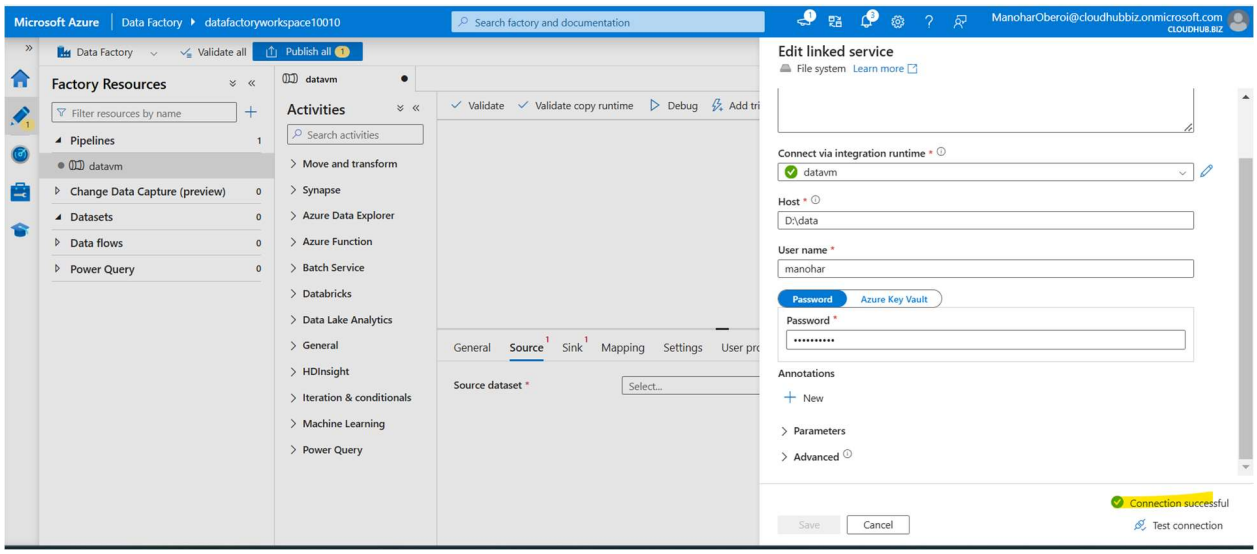
Add trigger
Copy data
Copydatavm
General
Source
Sink
Mapping
Settings
User properties
Source dataset *
Select...
New
Select format
Choose the format type of your data
Avro
Binary
DelimitedText
Excel
JSON
ORC
XML
Continue
Back
Cancel



Run the below command in the windows powershell in VM

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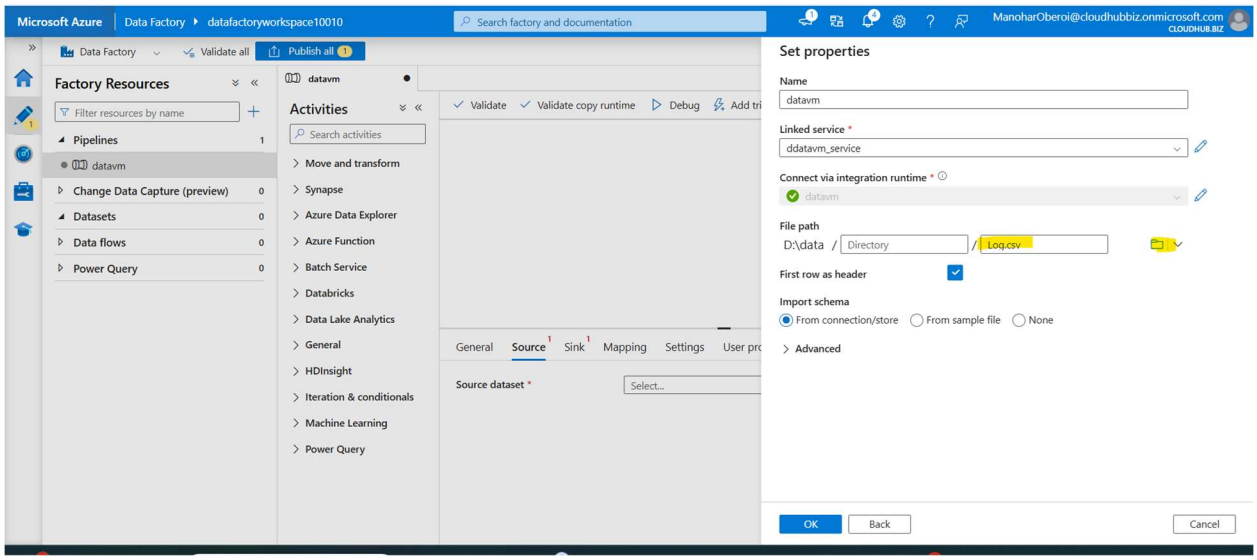
Machine Learning
Power Query
Validate
Validate copy runtime
Debug
General
Source
Sink
Mapping
Settings
Source dataset *
Select...
Edit linked service
File system
Learn more
Connect via integration runtime *
datavm
Host *
D:\data
User name *
manohar
Password
Azure Key Vault
Password *
Annotations
New
Parameters
Advanced
Connection successful
Save
Cancel
Test connection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General
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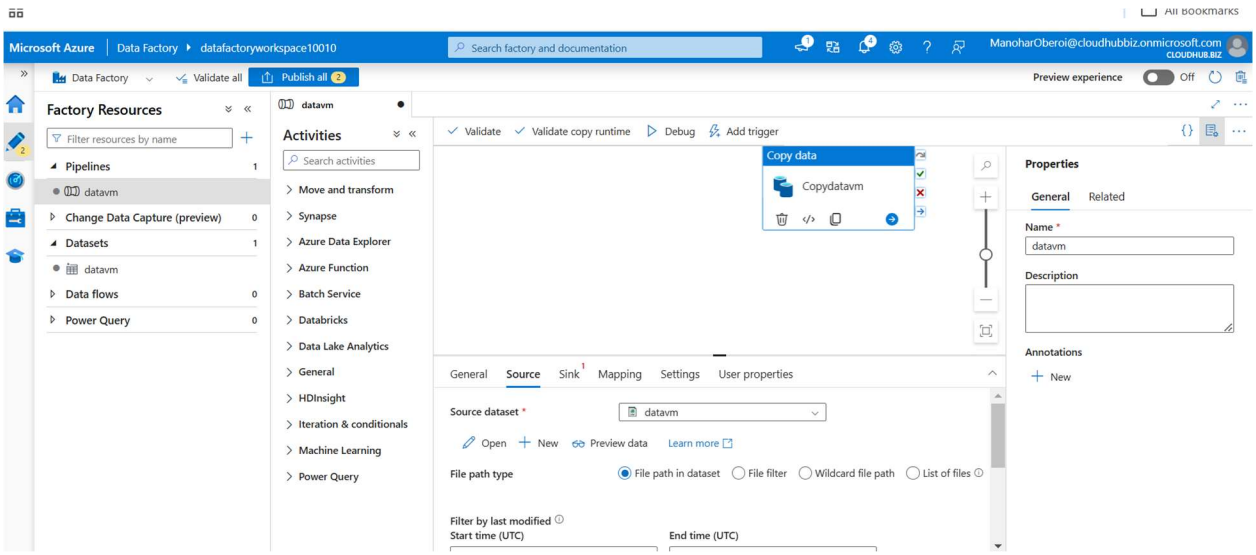
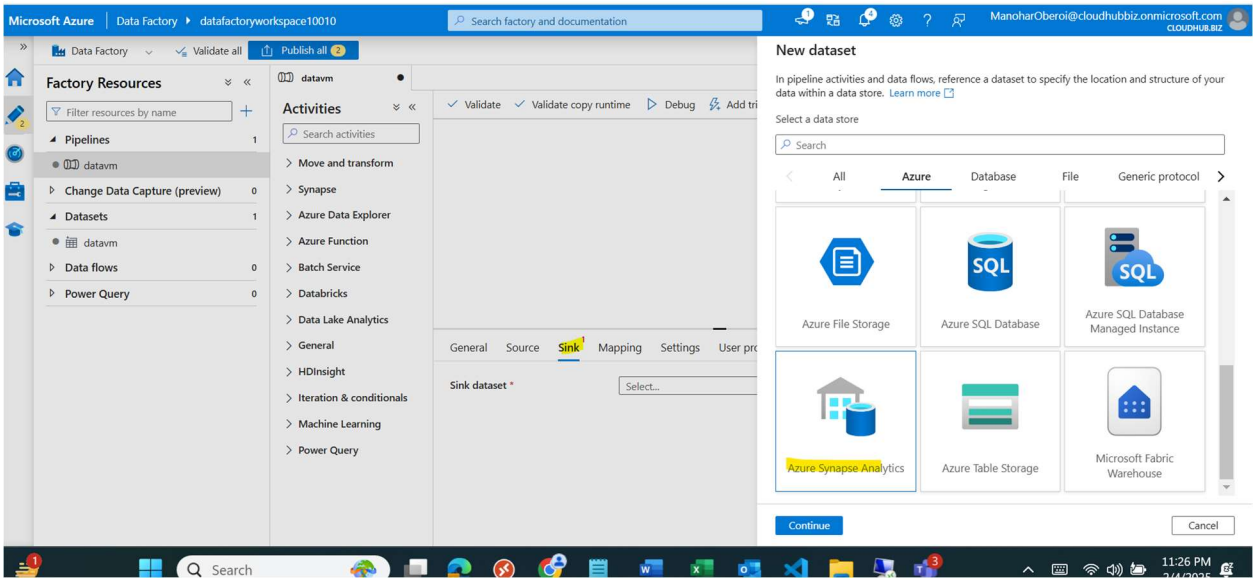
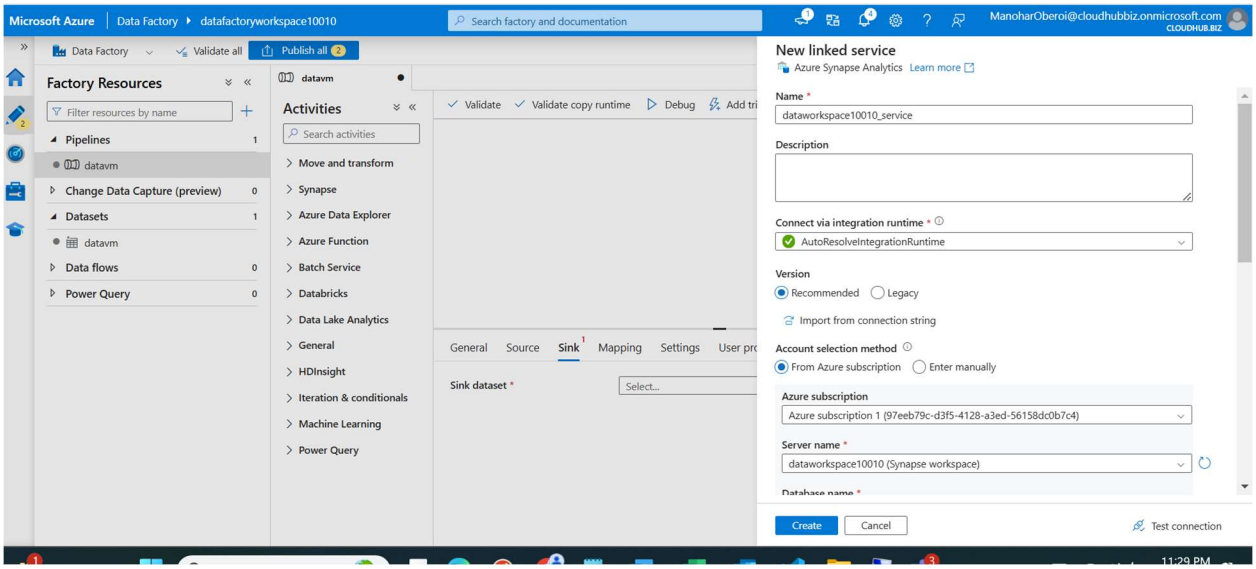
Machine Learning
Power Query
Validate
Validate copy runtime
Debug
General
Source
Sink
Mapping
Settings
Source dataset *
Select...
Set properties
Name
datavm
Linked service *
ddatavm_service
Connect via integration runtime *
datavm
File path
D:\data
Directory
Log.csv
First row as header
Import schema
From connection/store
From sample file
None
Advanced
OK
Back
Cancel



Create a destination dataset

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Publish all 2
Factory Resources
Filter resources by name
Pipelines 1
datavm
Change Data Capture (preview) 0
Datasets 1
datavm
Data flows 0
Power Query 0
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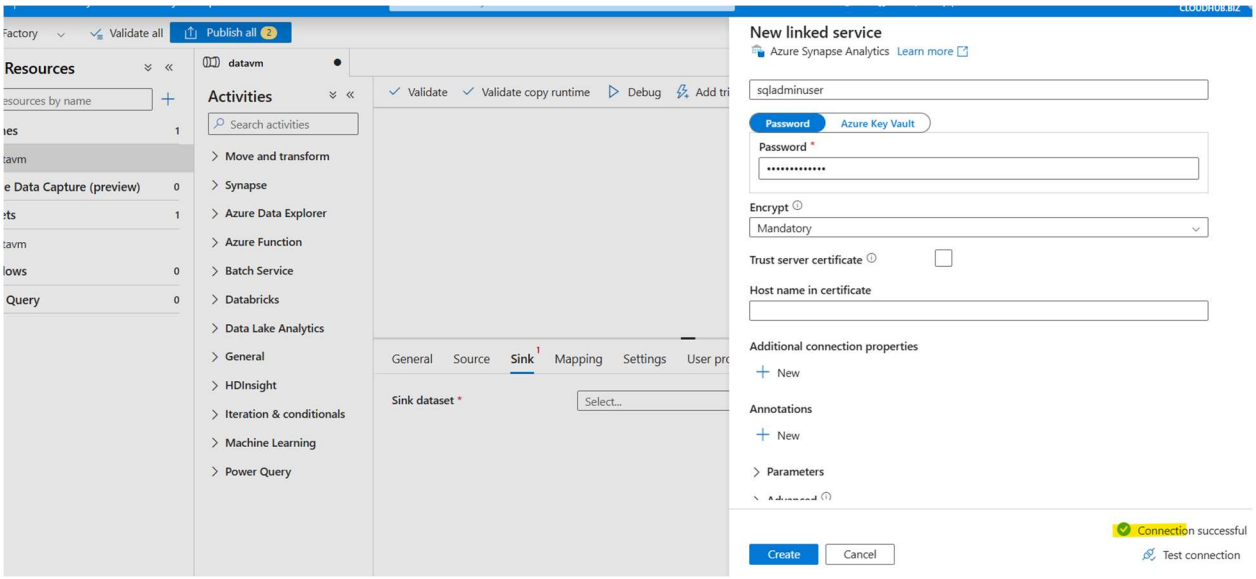
Machine Learning
Power Query
Validate
Validate copy runtime
Debug
General
Source
Sink 1
Mapping
Settings
Sink dataset *
Select...
New linked service
Azure Synapse Analytics Learn more
Name *
dataworkspace10010_service
Description
Connect via integration runtime *
AutoResolveIntegrationRuntime
Version
Recommended
Legacy
Import from connection string
Account selection method
From Azure subscription
Enter manually
Azure subscription
Azure subscription 1 (97eeb79c-d3f5-4128-a3ed-56158dc0b7c4)
Server name *
dataworkspace10010 (Synapse workspace)
Create
Cancel
Test connection


Publish all 2
Resources
Activities
Search activities
Move and transform
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Validate copy runtime
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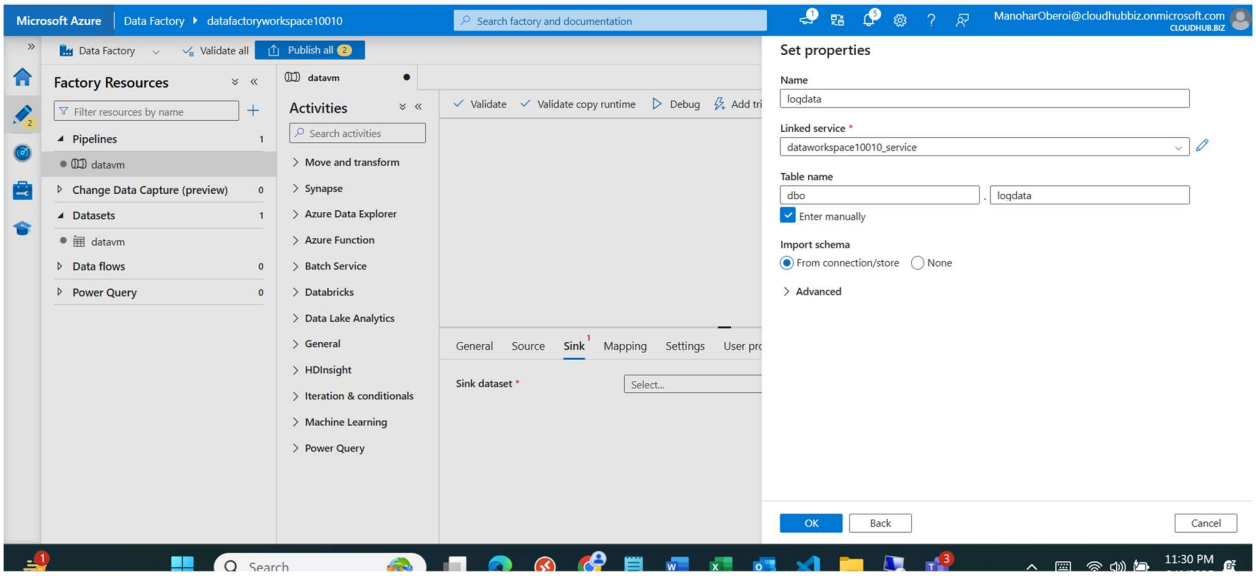
General
Source
Sink 1
Mapping
Settings
Sink dataset *
Select...
New linked service
Azure Synapse Analytics Learn more
sqladminuser
Password
Azure Key Vault
Password *
Encrypt
Mandatory
Trust server certificate
Host name in certificate
Additional connection properties
New
Annotations
New
Parameters
Connection successful
Create
Cancel
Test connection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Datasets 1
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Data flows 0
Power Query 0
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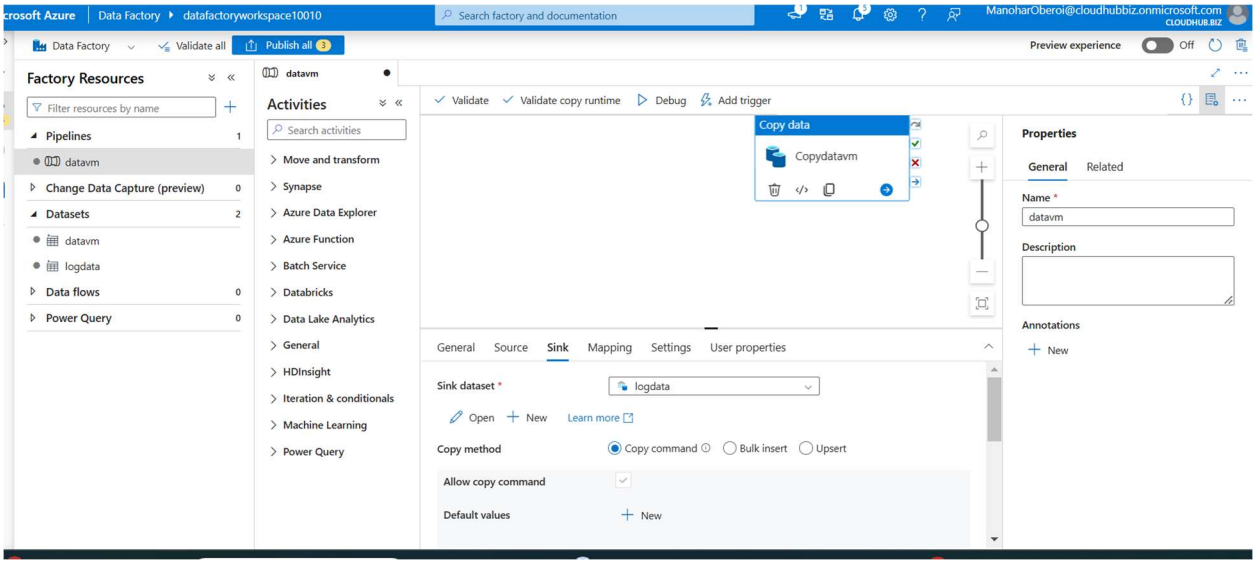
Power Query
Validate
Validate copy runtime
Debug
General
Source
Sink 1
Mapping
Settings
Sink dataset *
Select...
Set properties
Name
logdata
Linked service *
dataworkspace10010_service
Table name
dbo
logdata
Enter manually
Import schema
From connection/store
None
Advanced
OK
Back
Cancel
11:30 PM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Datasets 2
datavm
logdata
Data flows 0
Power Query 0
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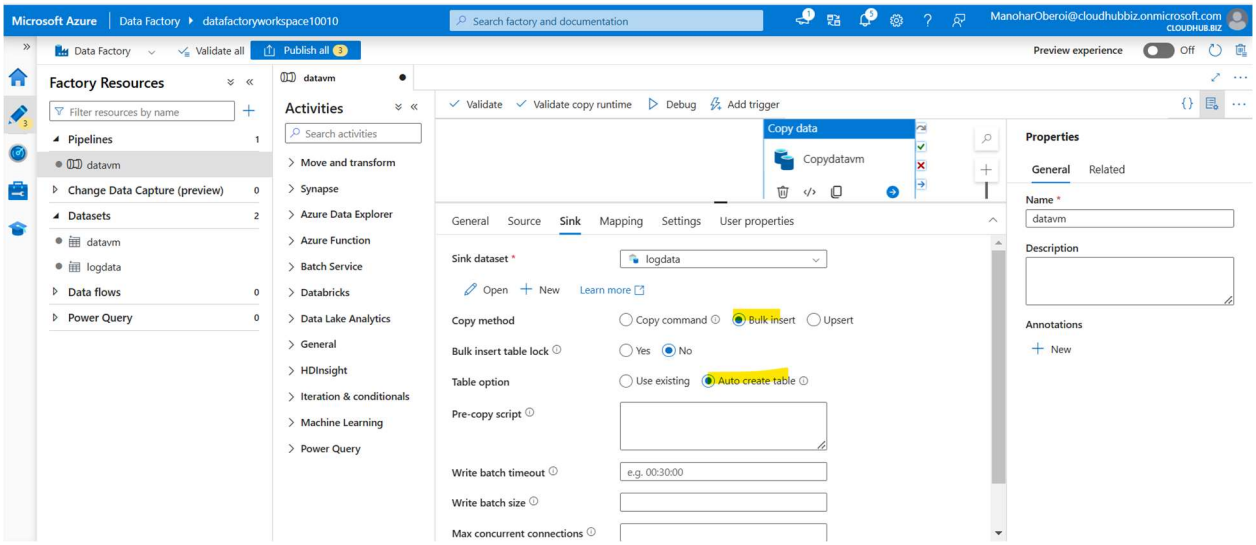
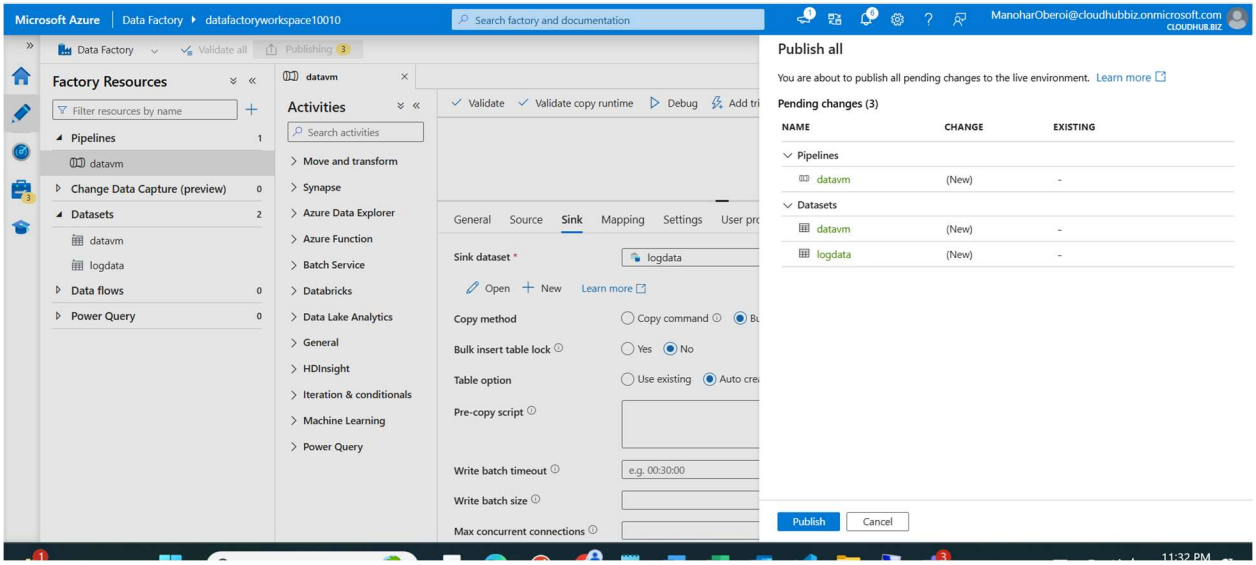
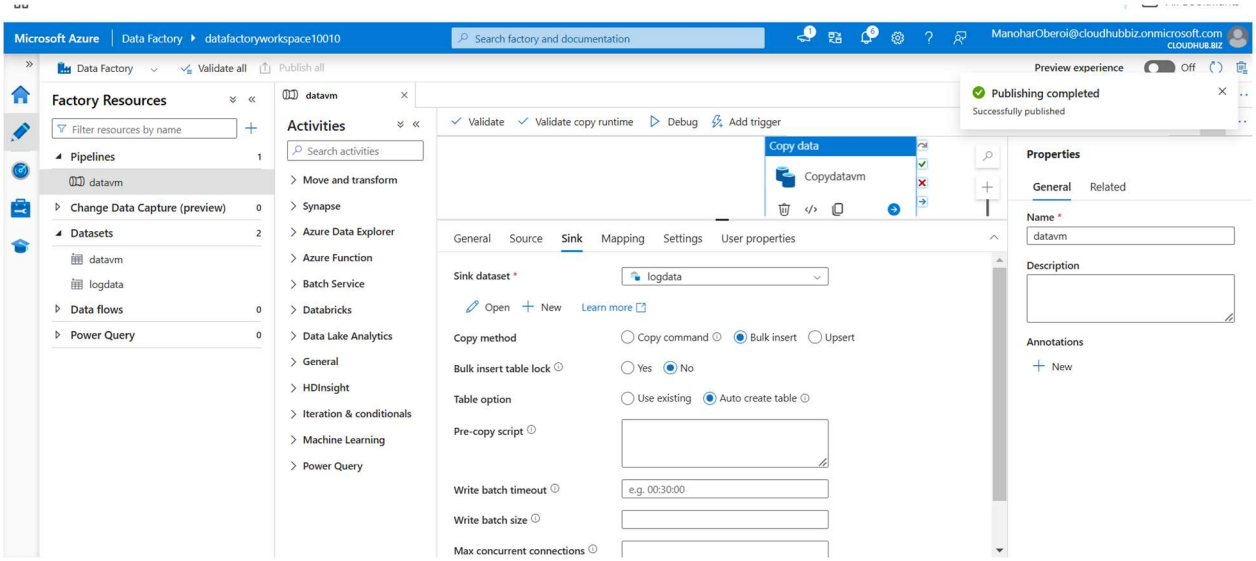
Add trigger
Copy data
Copydatavm
Properties
General
Related
Name *
datavm
Description
Annotations
New
General
Source
Sink
Mapping
Settings
User properties
Sink dataset *
logdata
Open
New
Learn more
Copy method
Copy command
Bulk insert
Upsert
Allow copy command
Default values
New

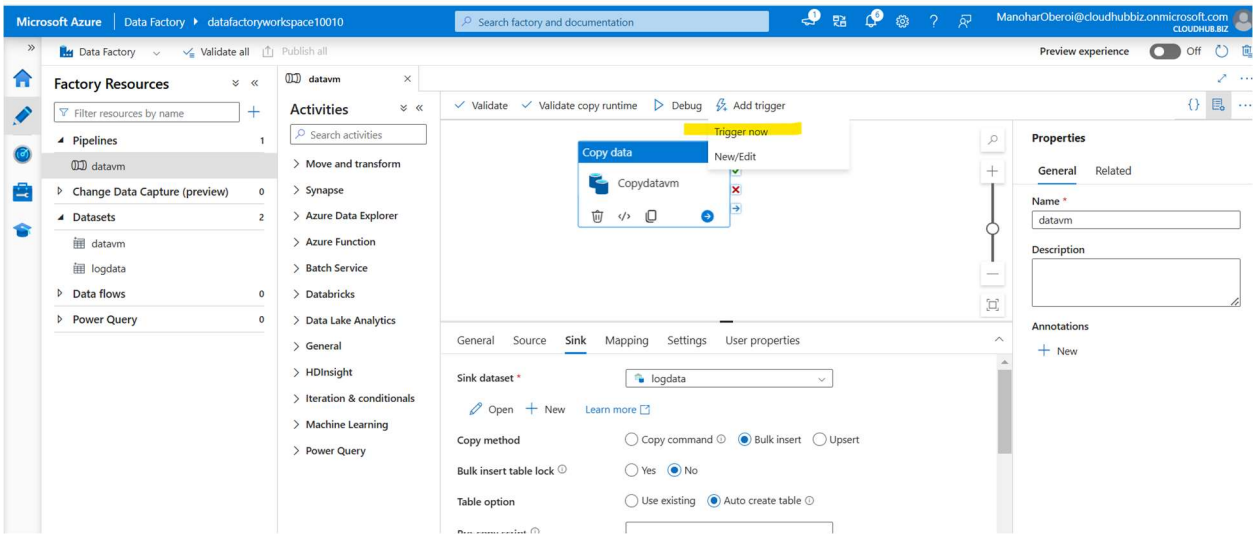


Click on publish all

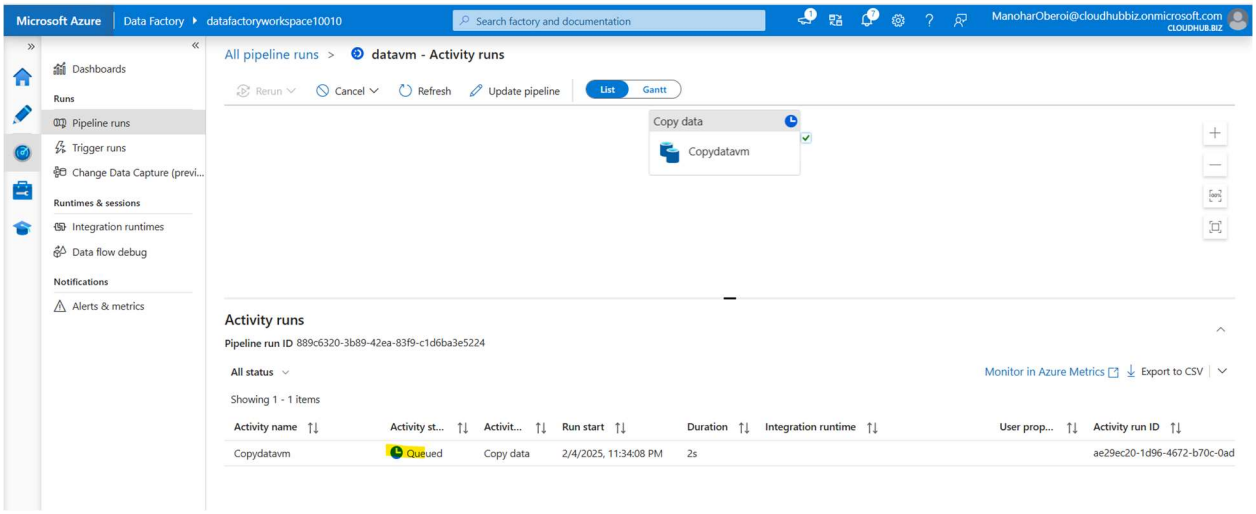


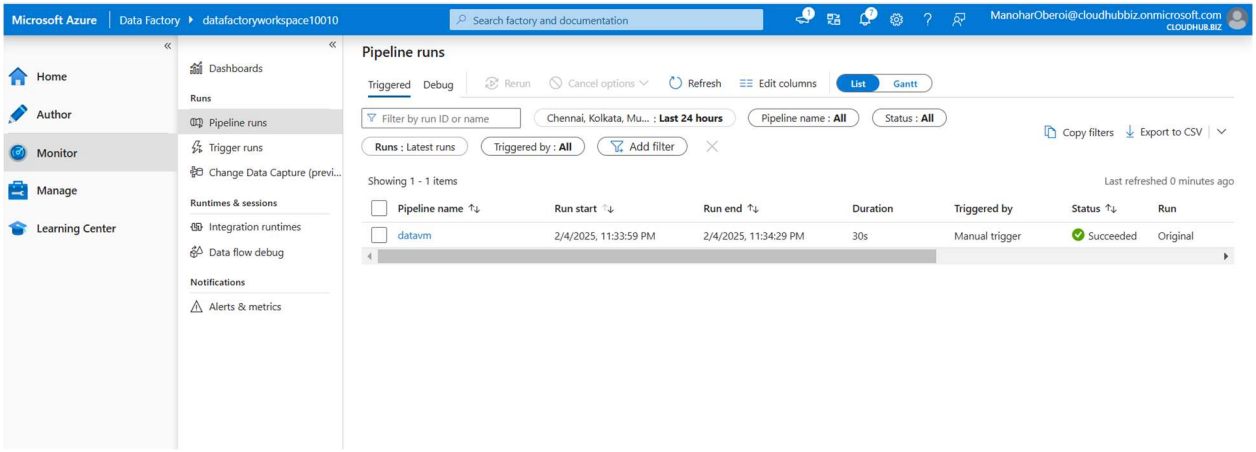


Trigger the pipeline



Checking status of the pipeline





We have successfully copy data from the VM to azure synapse analytics using the azure data factory