

Create a Azure data factory

Microsoft Azure Search resources, services, and docs (G+)

Home > Data factories > Create Data Factory ...

Basics Git configuration Networking Advanced Tags Review + create

One-click to create data factory with sample pipeline and datasets. [Try it](#)

Project details

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

Subscription * ⓘ Azure subscription 1

Resource group * ⓘ Demo-RG
[Create new](#)

Instance details

Name * ⓘ datafactoryworkspace10010 ✓

Region * ⓘ Central India

Version * ⓘ V2

[Previous](#) [Next](#) [Review + create](#)



The screenshot shows the Microsoft Azure portal interface for creating a Data Factory. At the top, there's a blue header bar with the Microsoft Azure logo and a search bar. Below the header, the breadcrumb navigation shows 'Home > Data factories > Create Data Factory'. The main title 'Create Data Factory' is centered above a horizontal navigation bar with tabs: Basics, Git configuration, Networking, Advanced, Tags, and Review + create (which is underlined, indicating it's the active tab). A link 'View automation template' is located below the tabs.

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.

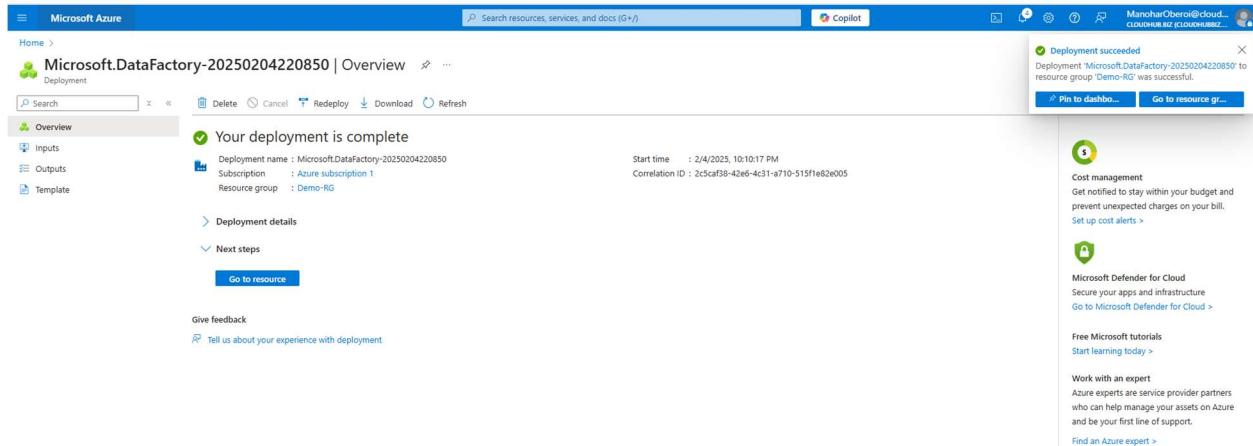
Basics

Subscription	Azure subscription 1
Resource group	Demo-RG
Name	datafactoryworkspace10010
Region	Central India
Version	V2

Networking

Connect via Public endpoint

[Previous](#) [Next](#) [Create](#)



The screenshot shows the Microsoft Azure portal interface for the deployment overview of a Data Factory. The top navigation bar includes the Microsoft Azure logo, search bar, and user profile. The main content area displays the deployment status: 'Your deployment is complete'. It shows the deployment name (Microsoft.DataFactory-20250204220850), subscription (Azure subscription 1), and resource group (Demo-RG). Deployment details include start time (2/4/2025, 10:10:17 PM) and correlation ID (2c5ca73b-42e6-4c31-a710-515f1e82e005). To the right, there are several cards: one for deployment success (Deployment succeeded, resource group 'Demo-RG' was successful), one for cost management (Get notified to stay within your budget and prevent unexpected charges on your bill, Set up cost alerts), one for Microsoft Defender for Cloud (Secure your apps and infrastructure, Go to Microsoft Defender for Cloud), and cards for free Microsoft tutorials, working with experts, and finding an Azure expert.

Microsoft Azure

Home > Microsoft.DataFactory-20250204220850 | Overview >

datafactoryworkspace10010 Data factory (V2)

Search Delete Overview Activity log Access control (IAM) Tags Diagnose and solve problems Settings Getting started Monitoring Automation Help

Resource group (move) : Demo-RG Status : Succeeded Location : Central India Subscription (move) : Azure subscription 1 Subscription ID : 97eeb79c-d3f5-4128-a3ed-56158dc0b7c4 Type : Data factory (V2) Getting started : Quick start JSON View

Azure Data Factory Studio

Launch studio

Quick Starts Tutorials Template Gallery Training Modules

Monitoring

PipelineRuns ActivityRuns TriggerRuns

adf.azure.com/en/home?factory=%2Fsubscriptions%2F97eeb79c-d3f5-4128-a3ed-56158dc0b7c4%2FresourceGroups%2FDemo-RG%2FDataFactories%2Fdatafactoryworkspace10010

Microsoft Azure | Data Factory > datafactoryworkspace10010

Search factory and documentation

ManoharOberoi@cloudhubbiz.onmicrosoft.com CLOUDHUB.BIZ Set up code repository

Data factory

datafactoryworkspace10010

New

Ingest Copy data at scale once or on a schedule.

Orchestrate Code-free data pipelines.

Transform data Transform your data using data flows.

Configure SSIS Manage & run your SSIS packages in the cloud.

Recent resources

No items to show

Your recently opened resources will show up here.

Create azure synapse analytics workspace

Microsoft Azure

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

Grant contributor role on the Data Lake storage account to the identity data access to the file system, using the Storage Blob Data container, after you use this storage account after you finish:

OK Cancel

Review + create < Previous Next > Security

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 (i)

- Use both local and Microsoft Entra ID authentication
 Use only Microsoft Entra ID authentication

SQL Server admin login * (i)

sqadminuser

SQL Password (i)



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. (i)

- ⓘ 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 >](#)

Microsoft Azure

Home > Create Synapse workspace ...

✓ Validation succeeded

* Basics * Security Networking Tags Review + create

Product Details

Azure Synapse Analytics workspace by Microsoft	Serverless SQL est. cost/TB
Terms of use Privacy policy	415.97 INR

Terms

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Basics

Subscription	Azure subscription 1
Resource group	Demo-RG
Region	Central India
Workspace name	(new) dataworkspace10010
Data Lake Storage Gen2 account	https://datalakestore10010.dfs.core.windows.net
Data Lake Storage Gen2 file system	(new) synapse
Managed resource group	None

Create | < Previous | Next > | Download a template for automation

Microsoft Azure

Microsoft.Azure.SynapseAnalytics-20250204221415 | Overview

Your deployment is complete

Deployment name : Microsoft.Azure.SynapseAnalytics-20250204221415
 Subscription : Azure subscription 1
 Resource group : Demo-RG

Start time : 2/4/2025, 10:15:50 PM
 Correlation ID : c4dd6da8-ddd0-4ff4-b5ce-c1652d6d3096

Deployment details | Next steps | Go to resource group

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 >](#)

Free Microsoft tutorials
[Start learning today >](#)

Work with an expert
 Azure experts are service provider partners who can help manage your assets on Azure and be your first line of support.
[Find an Azure expert >](#)

Create a dedicated sql pool

Microsoft Azure

Home > Microsoft.Azure.SynapseAnalytics-20250204221415 | Overview > Demo-RG > dataworkspace10010

dataworkspace10010 | SQL pools

Synapse workspace

Search + New Refresh Assign tags Delete

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

Name Type Status Size

Built-in Serverless N/A Auto

Microsoft Azure

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 *

Performance level DW100c

Estimated price **Est. Cost Per Hour**
140.60 INR
[View pricing details](#)

Validation results

- 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

[Review + create](#) [Next: Additional settings >](#)

Microsoft Azure

Search resources, services

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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Basics

Dedicated SQL pool name warehousedb
Performance level DW100c

Additional settings

Use existing data None
Collation SQL_Latin1_General_CI_AS

Tags

Create

< Previous

Download a template for automation

Microsoft Azure

Search resources, services, and docs (G+)

Copilot

Home >

Microsoft.Azure.Synapse.SqlPoolOnExistingWorkspace_d46c96d478564 | Overview

x

Deployment

Search

Delete

Cancel

Redeploy Download Refresh

Overview

Inputs

Outputs

Template

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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[Find an Azure expert >](#)

dataworkspace10010

Essential

- Resource group ([Demo-RG](#)) : Demo-RG
- Status : Succeeded
- Location : Central India
- Subscription ([Azure subscription 1](#)) : Azure subscription 1
- Subscription ID : 97eeb79c-d3f5-4128-a3ed-56158dc0b7c4
- Managed virtual network : No
- Managed identity object id : 90235f0b-fd19-4d2a-bc34-dc7621391e6a
- Workspace web URL : <https://web.azure.com/workspace=%2fsubscriptions%2f97eeb79c-d3f5-4128-a3ed-56158dc0b7c4>
- Tags ([Edit](#)) : Add tags

Networking

- Show firewall settings
- Primary ADLS Gen2 account : <https://datalakestore10010.dfs.core.windows.net>
- Dedicated SQL file system : synapse
- SQL admin username : sqladminuser
- SQL Microsoft Entra admin : MancharOberoi@cloudhub.onmicrosoft.com
- Dedicated SQL endpoint : dataworkspace10010.sql.azuresynapse.net
- Serverless SQL endpoint : dataworkspace10010-on-demand.sql.azuresynapse.net
- Development endpoint : <https://dataworkspace10010.dev.azuresynapse.net>

Getting started

- Open Synapse Studio** Start building your fully-integrated analytics solution and unlock new insights.
- Read documentation** Learn how to be productive quickly. Explore concepts, tutorials, and samples.

Analytics pools

Name	Type	Size
SQL pools		

Create a virtual machine

Microsoft Azure

[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](#)

Subscription * [Azure subscription 1](#)

Resource group * [Demo-RG](#) [Create new](#)

Instance details

Virtual machine name * [datavm](#)

Region * [\(Asia Pacific\) Central India](#)

Availability options [No infrastructure redundancy required](#)

Security type [Trusted launch virtual machines](#) [Configure security features](#)

Image * [Windows Server 2022 Datacenter - x64 Gen2](#)

[See all images](#) | [Configure VM generation](#)

VM architecture [Arm64](#) [x64](#)

[Arm64 is not supported with the selected image.](#)

Run with Azure Spot discount

Size * [Standard_B2ms - 2 vcpus, 8 GiB memory \(₹5,927.45/month\)](#)

[See all sizes](#)

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

Microsoft Azure

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 * ✓

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 *

⚠ 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**

Microsoft Azure

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 Subscription credits apply **8.1198 INR/hr** Pricing for other VM sizes

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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.

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.

Category	Cost
Basics	\$5,927.45
Disks	\$1,639.77
Networking	\$1,218.80
Management	\$0.00
Monitoring	\$0.00
Advanced	\$0.00

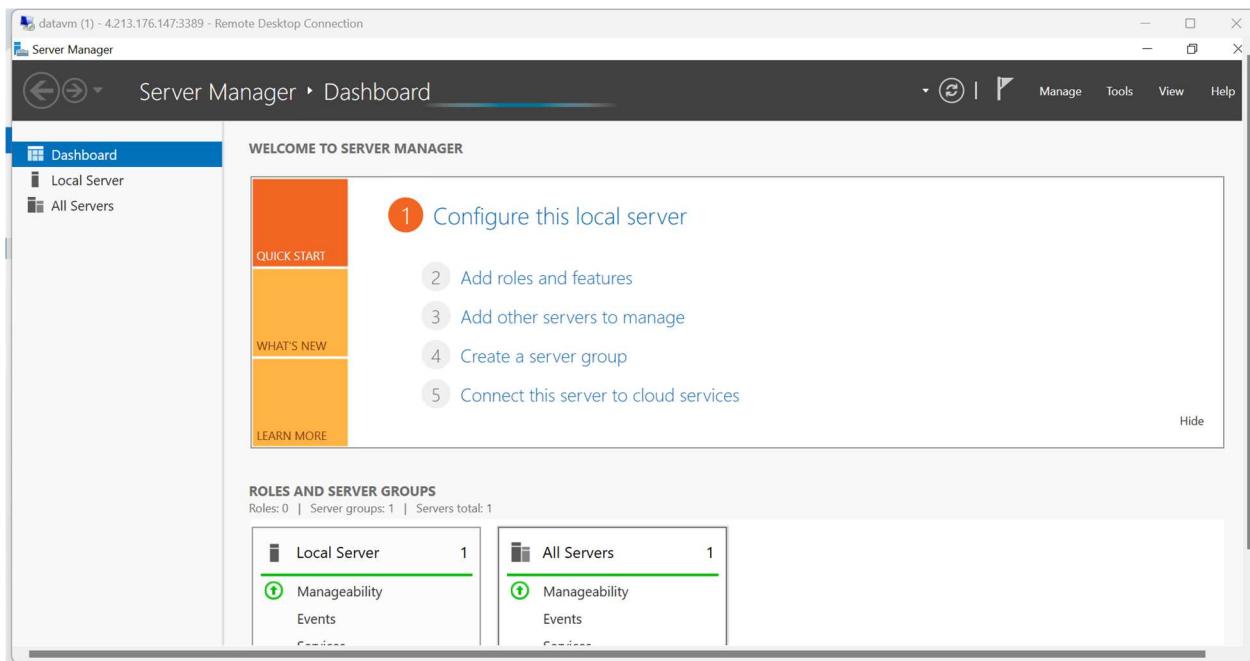
Estimated monthly cost \$8,786.02

< Previous Next > **Create** Download a template for automation Give feedback

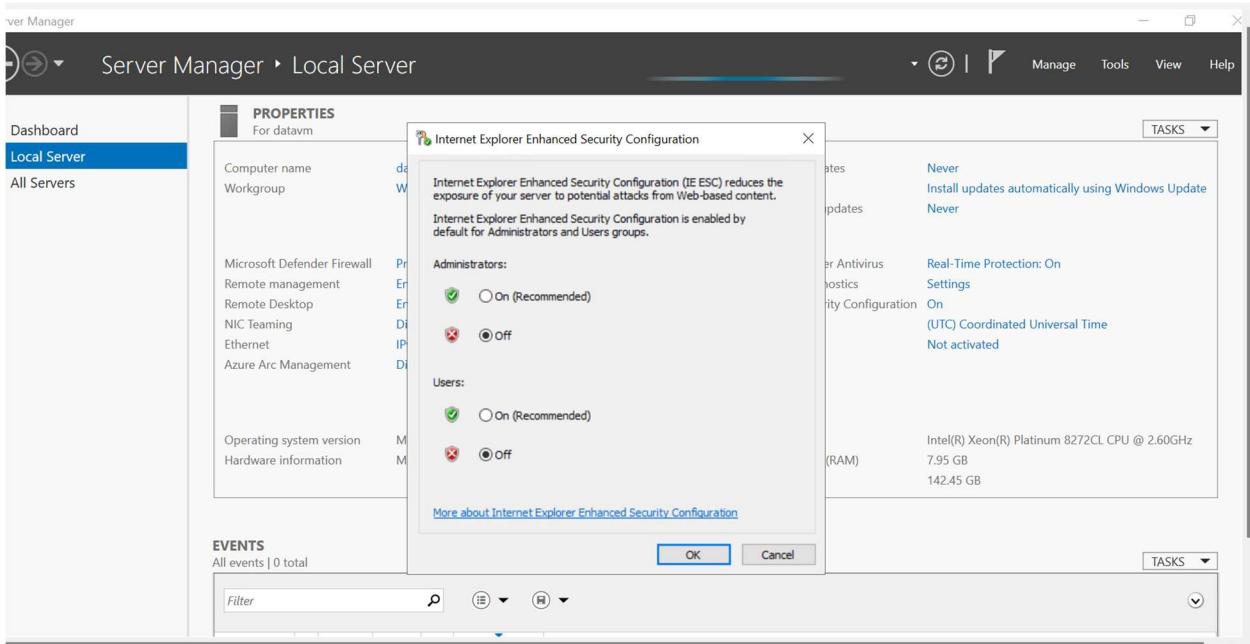
The screenshot shows the Microsoft Azure Deployment Overview page. The deployment is named "CreateVm-MicrosoftWindowsServer.WindowsServer-202-20250204225103". The status is "Your deployment is complete". Deployment details include a subscription (Azure subscription 1), start time (2/4/2025, 10:51:57 PM), and correlation ID (42c461f2-059d-4edb-9a87-f666c05087ea). Next steps include "Setup auto-shutdown" (Recommended), "Monitor VM health, performance and network dependencies" (Recommended), and "Run a script inside the virtual machine" (Recommended). Buttons for "Go to resource" and "Create another VM" are present. A sidebar on the right provides links to Cloud Management, Microsoft Defender for Cloud, Free Microsoft tutorials, and Work with an expert.

Connect to the VM

The screenshot shows the Microsoft Azure VM Connect page for a virtual machine named "datavm". The "Connect" section is selected. It shows a "Native RDP" connection option with a note: "Connect via native RDP without any additional software needed. Recommended for testing only." The public IP address is listed as 4.213.176.147. To the right, a "Remote Desktop Connection" dialog box is open, displaying a warning: "The identity of the remote computer cannot be verified. Do you want to connect anyway?". It explains that the remote computer could not be authenticated due to problems with its security certificate. It includes fields for "Certificate name" (set to "Name in the certificate from the remote computer: datavm") and "Certificate errors" (warning: "The certificate is not from a trusted certifying authority"). At the bottom, it asks "Do you want to connect despite these certificate errors?" with options "Yes" and "No".



Disable IE Enhanced configuration setting



Copy the blob URL

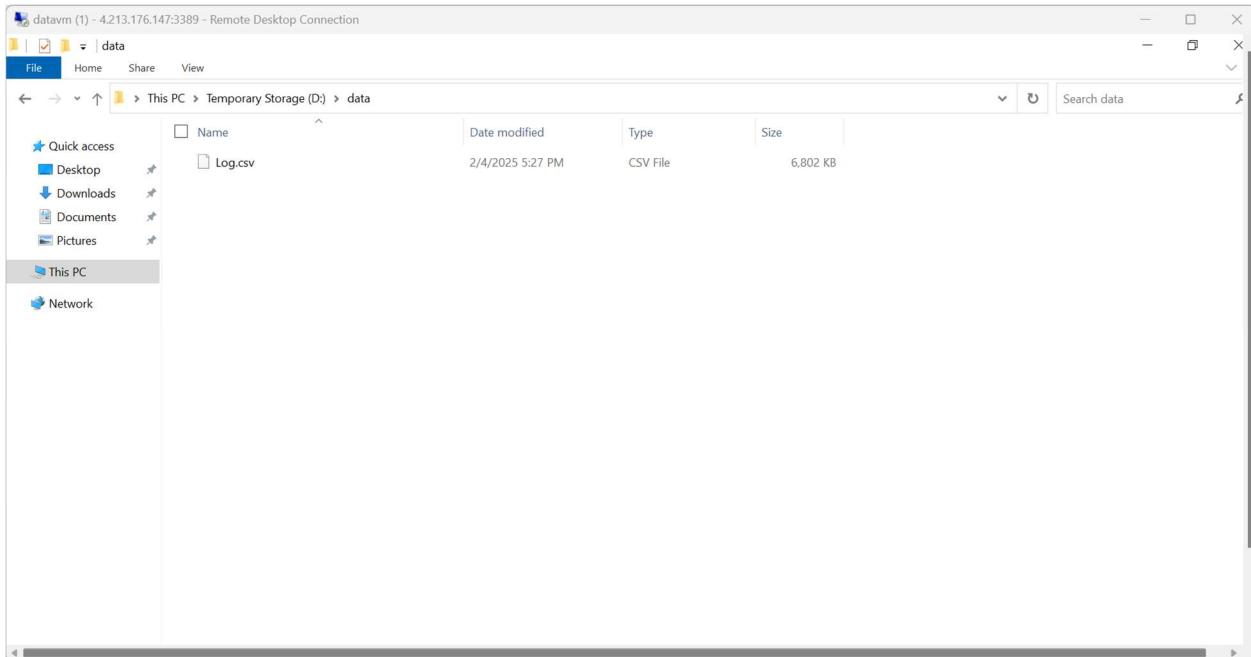
The screenshot shows the Microsoft Azure Storage Explorer interface. On the left, there's a navigation tree with 'Home > Storage accounts > datalakestore10010 | Containers > data >'. Under 'data', there's a 'Search' bar, an 'Upload' button, and a 'Add Directory' button. Below these are sections for 'Overview', 'Diagnose and solve problems', 'Access Control (IAM)', and 'Settings'. A 'Search blobs by prefix (case...)' input field and a 'Show deleted objects' toggle are also present. The main area displays a blob named 'Log.csv' with the following properties:

Name	Value
URL	https://datalakestore10010.azuredatalakestorage.net/data/logdata/Log.csv
LAST MODIFIED	2/4/2023, 10:14:36 PM
CREATION TIME	2/4/2023, 10:14:36 PM
VERSION ID	-
TYPE	Block blob
SIZE	6.64 MB
ACCESS TIER	Hot (inferred)
ACCESS TIER LAST MODIFIED	N/A
ARCHIVE STATUS	-
REHYDRATE PRIORITY	-
SERVER ENCRYPTED	true
ETAG	0x8D0453B587A244
VERSION-LEVEL IMMUTABILITY POLICY	Disabled
CACHE-CONTROL	[redacted]
CONTENT-TYPE	text/csv
CONTENT-MDS	aIA/tuFoRygKeg0nyYYA==
CONTENT-ENCODING	[redacted]
CONTENT-LANGUAGE	[redacted]
CONTENT-DISPOSITION	[redacted]
LEASE STATUS	Unlocked

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

The screenshot shows the Microsoft Edge settings page. At the top, it says 'datavm (1) - 4.213.176.147:3389 - Remote Desktop Connection' and 'Welcome to Microsoft Edge'. Below this, there's a 'Start browsing or...' message and a 'Express yourself by customizing Microsoft Edge with themes' section. This section includes a note about themes and a preview of three theme options: 'System default' (blue circle), 'Light' (white circle), and 'Dark' (black circle). To the right, there's a 'Downloads' section with a list containing 'Log.csv' (with a yellow highlight) and 'Open file'. The 'Downloads' section has a small icon of a person with a red dot on their head.

D:\data



Create a new integration runtime on azure data factory

A screenshot of the Microsoft Azure Data Factory interface. The left sidebar shows navigation options like General, Connections, Linked services, Integration runtimes (which is selected and highlighted in yellow), Microsoft Purview, Source control, Author, Security, and others. The main content area is titled "Integration runtimes" and contains a table with one item: "AutoResolveIntegrationRuntime" (Type: Azure, Sub-type: Public, Status: Active). To the right, a panel titled "Integration runtime setup" lists two options: "Azure, Self-Hosted" (described as performing data flows, data movement, and dispatch activities to external compute) and "Azure-SSIS" (described as lifting and shifting existing SSIS packages to execute in Azure). At the bottom right of the panel are "Continue" and "Cancel" buttons.

Integration runtimes

The integration runtime (IR) is the compute infrastructure to provide the following data integration capabilities across data flows, data movement, external and pipeline activities.

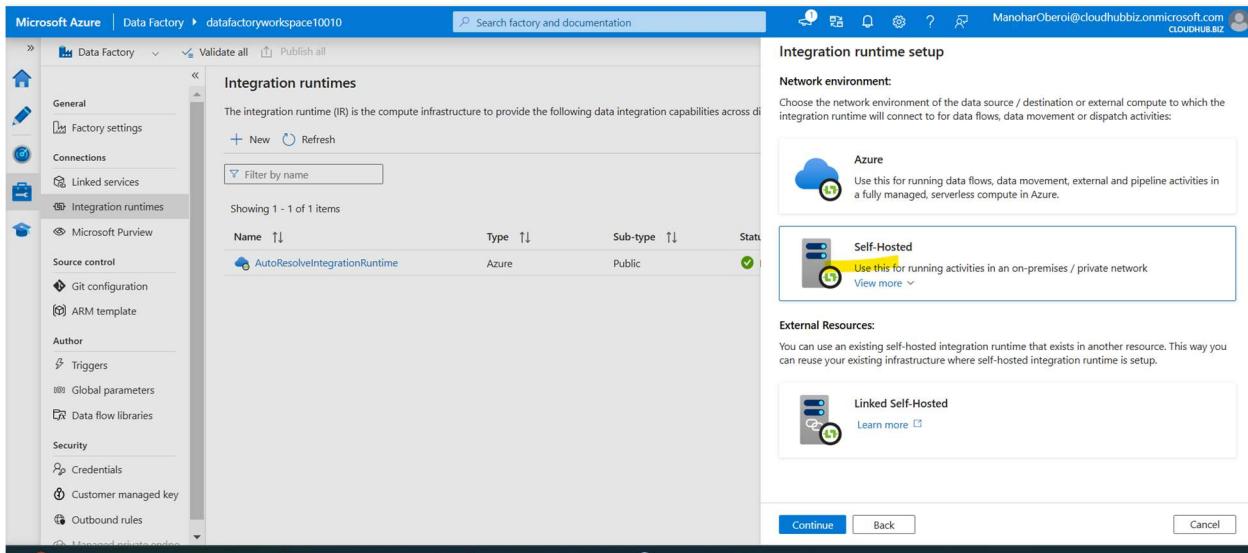
Azure
Use this for running data flows, data movement, external and pipeline activities in a fully managed, serverless compute in Azure.

Self-Hosted
Use this for running activities in an on-premises / private network

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

Continue **Back** **Cancel**



Integration runtimes

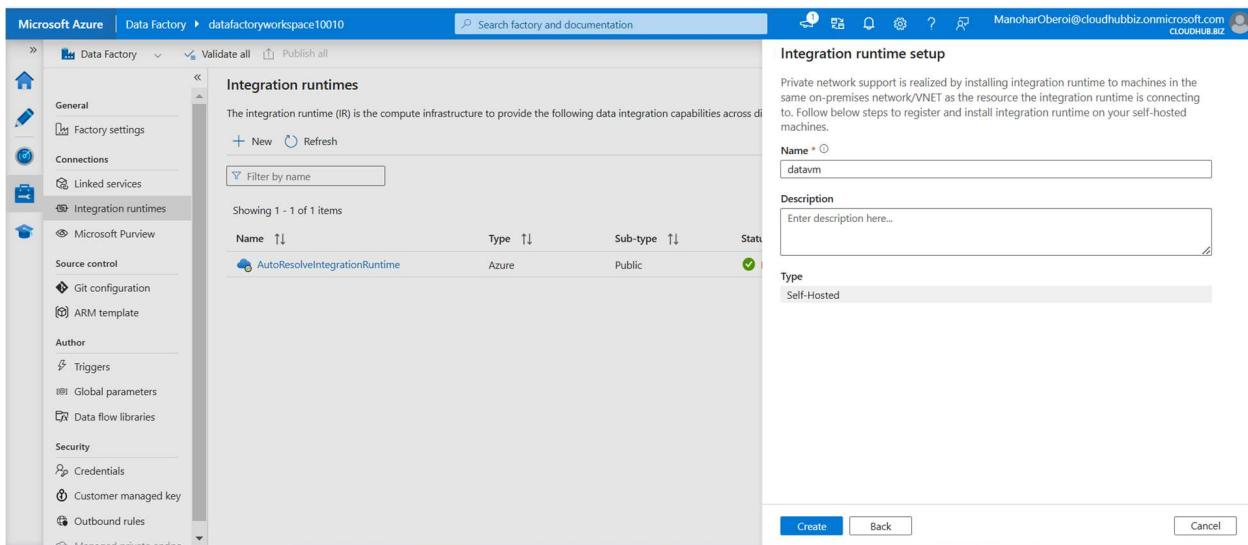
The integration runtime (IR) is the compute infrastructure to provide the following data integration capabilities across data flows, data movement, external and pipeline activities.

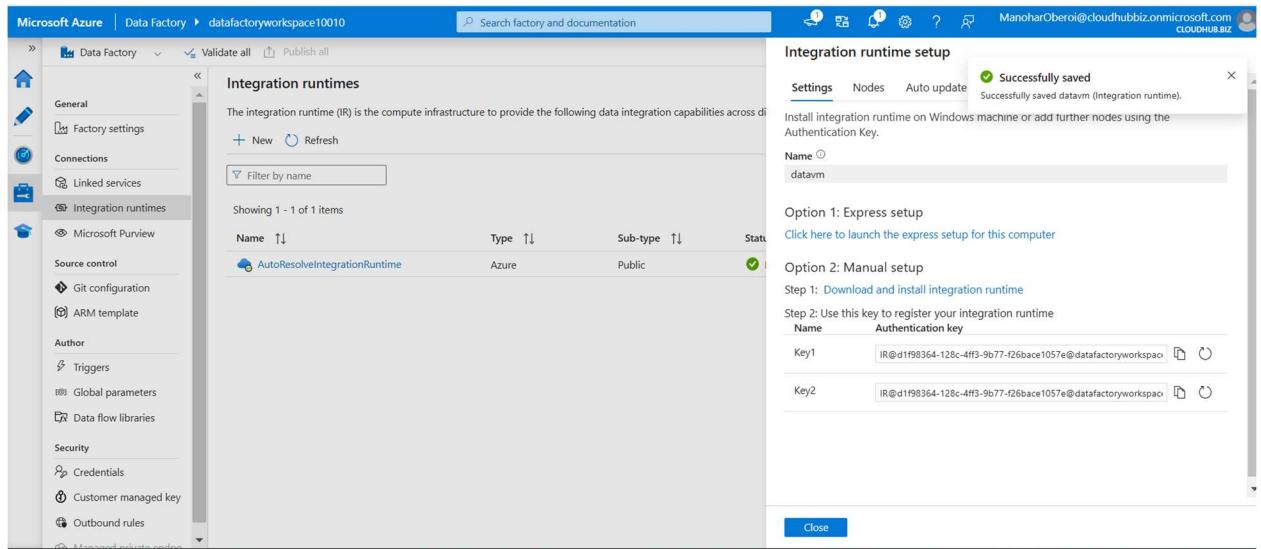
Name: datavm

Description: Enter description here...

Type: Self-Hosted

Create **Back** **Cancel**

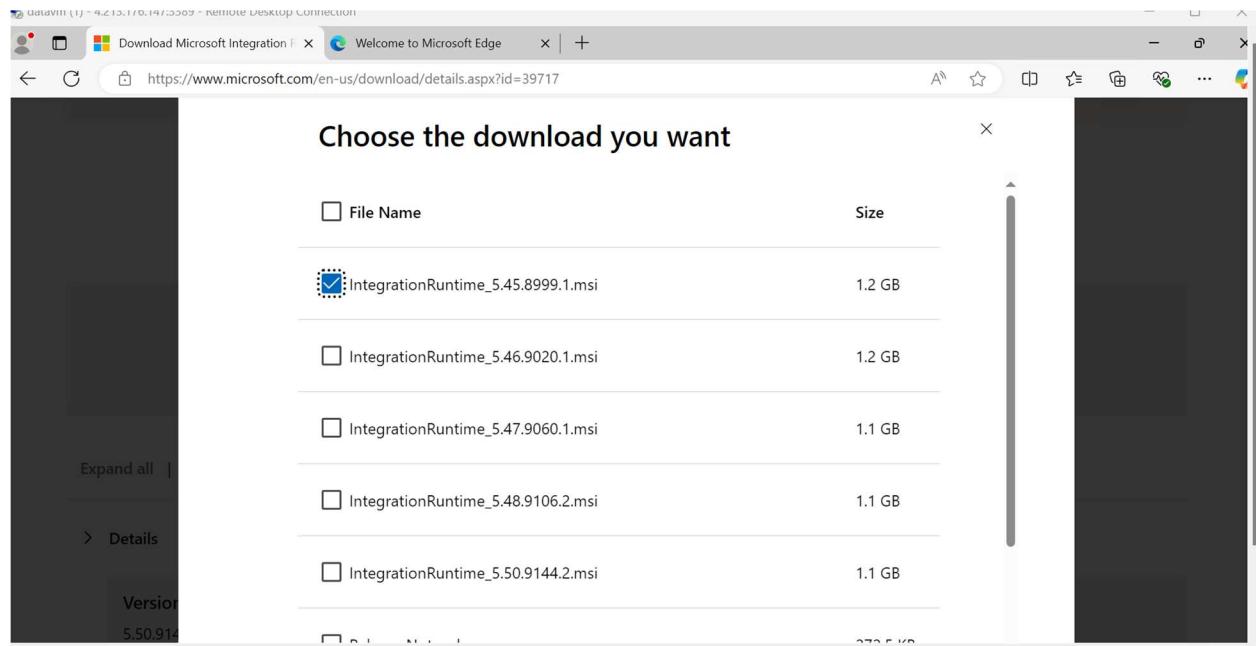




The screenshot shows the Microsoft Azure Data Factory interface. On the left, the navigation menu includes General, Factory settings, Connections, Integration runtimes (selected), Microsoft Purview, Source control, Author, Security, and Data flow libraries. The main area displays 'Integration runtimes' with one item listed: 'AutoResolveIntegrationRuntime' (Type: Azure, Sub-type: Public). A modal dialog titled 'Integration runtime setup' is open on the right, showing a success message: 'Successfully saved' and 'Successfully saved datavm (Integration runtime)'. It provides two options: 'Express setup' (link) and 'Manual setup'. Under 'Manual setup', it says 'Install integration runtime on Windows machine or add further nodes using the Authentication Key.' It lists 'Key1' and 'Key2' with their respective authentication keys.

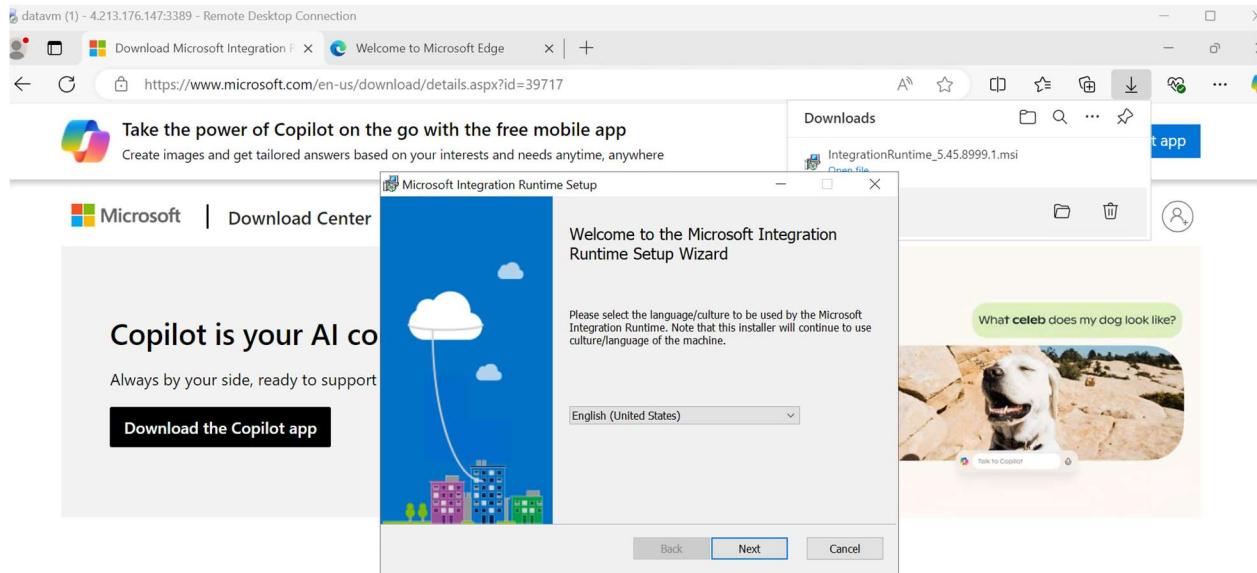
Download & install integration runtime on VM

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

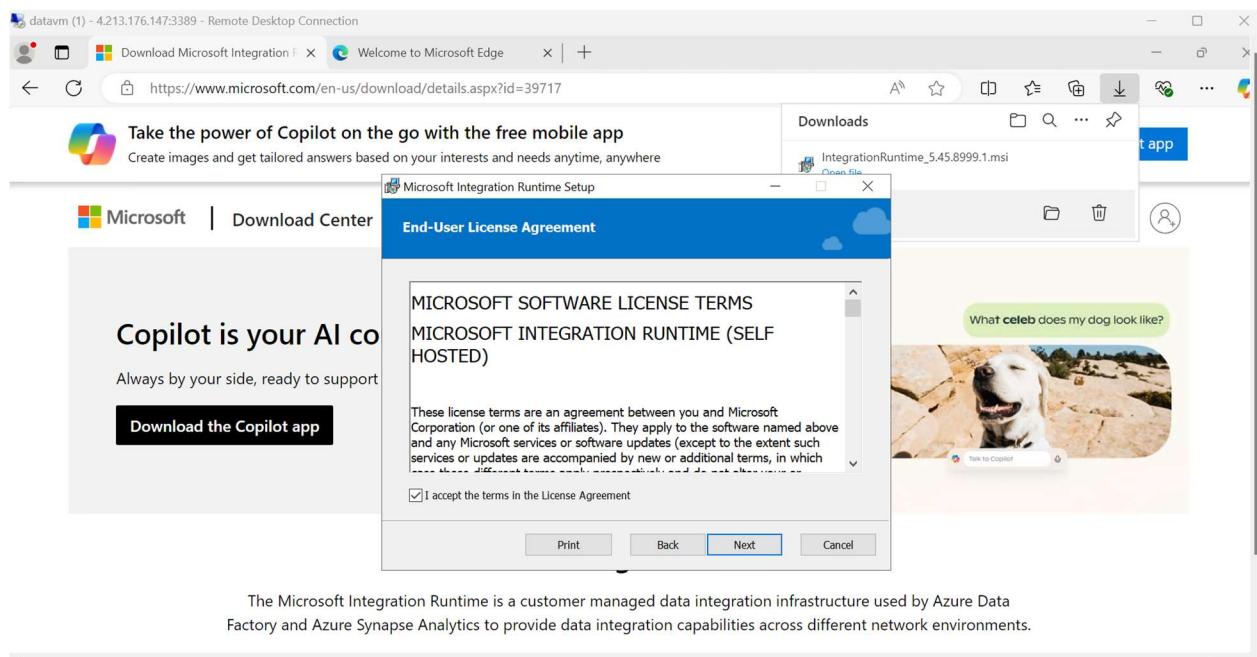


The screenshot shows a Microsoft Edge browser window displaying a download page for Microsoft Integration Runtime. The URL is https://www.microsoft.com/en-us/download/details.aspx?id=39717. The page title is 'Choose the download you want'. It lists several MSI files for download:

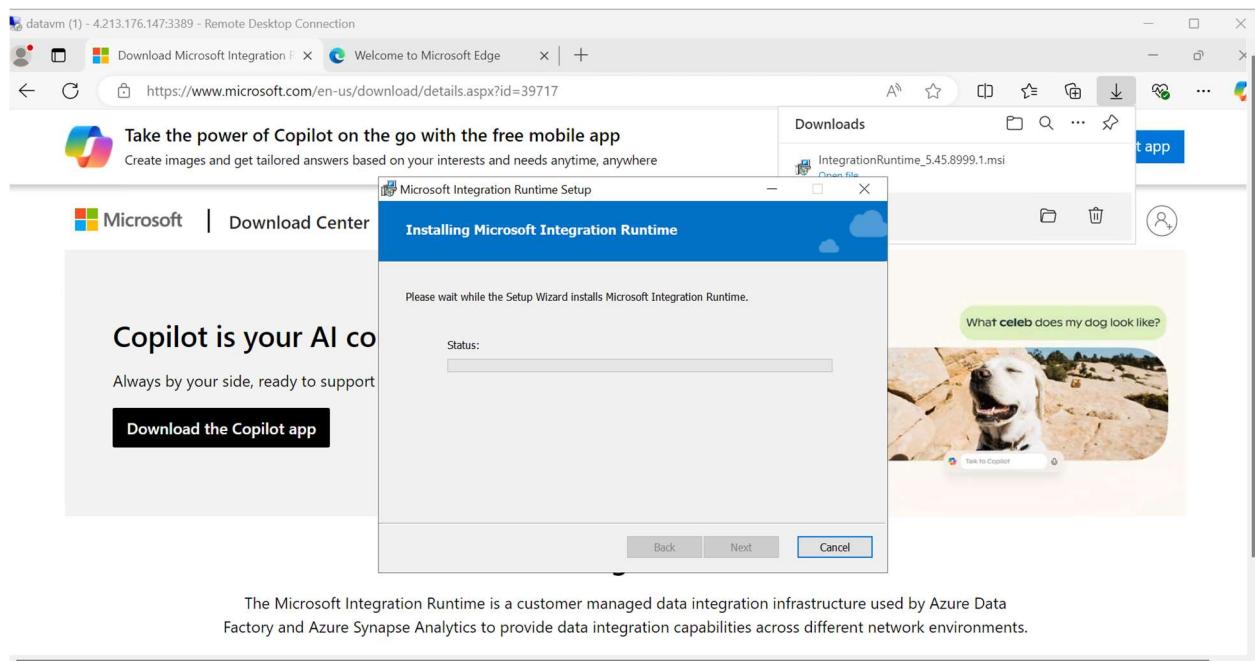
File Name	Size
IntegrationRuntime_5.45.8999.1.msi	1.2 GB
IntegrationRuntime_5.46.9020.1.msi	1.2 GB
IntegrationRuntime_5.47.9060.1.msi	1.1 GB
IntegrationRuntime_5.48.9106.2.msi	1.1 GB
IntegrationRuntime_5.50.9144.2.msi	1.1 GB



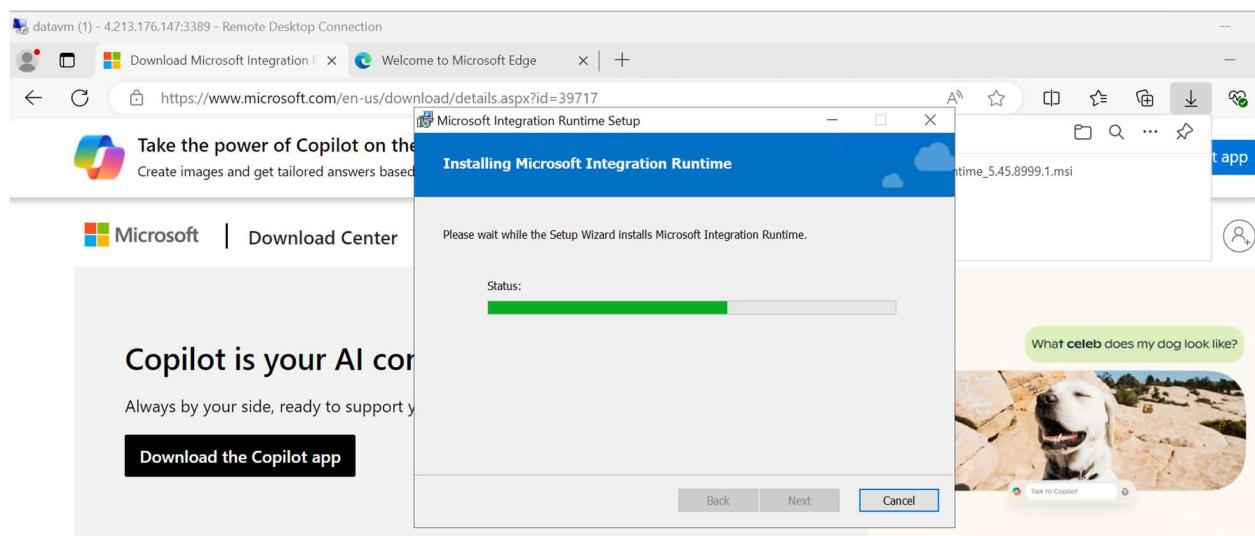
The Microsoft Integration Runtime is a customer managed data integration infrastructure used by Azure Data Factory and Azure Synapse Analytics to provide data integration capabilities across different network environments.



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.

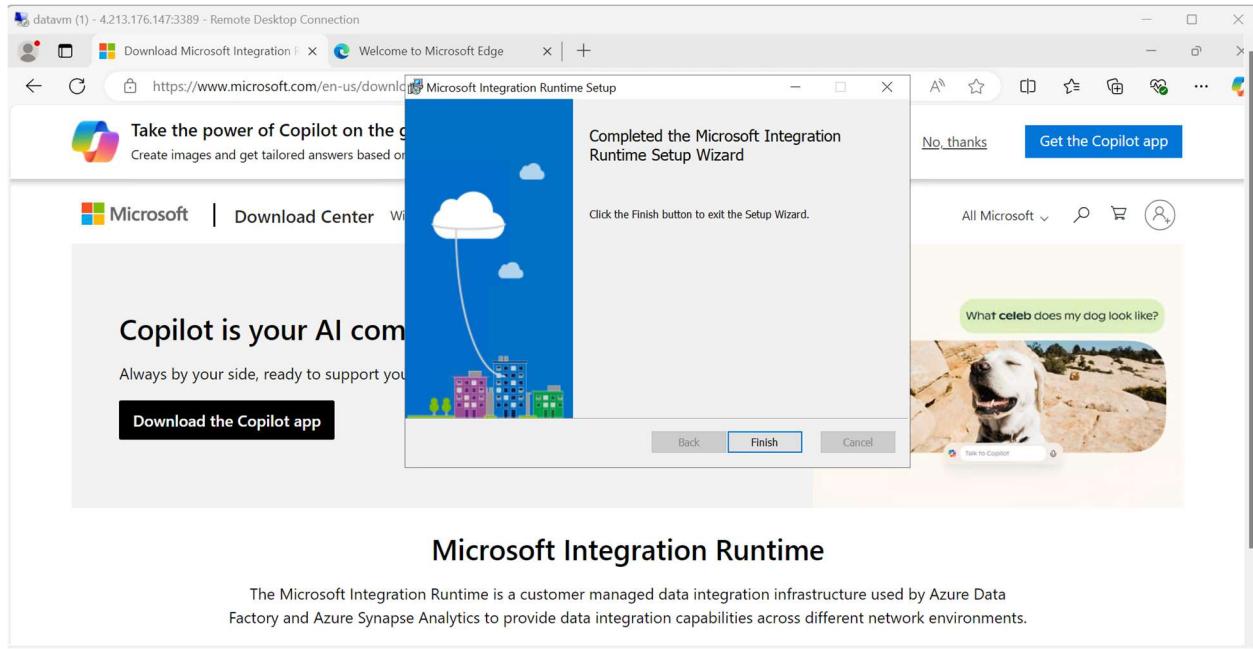


The Microsoft Integration Runtime is a customer managed data integration infrastructure used by Azure Data Factory and Azure Synapse Analytics to provide data integration capabilities across different network environments.



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

The screenshot shows the 'Integration runtime setup' dialog box. At the top, there are several icons: a gear, a bell with a '1', a question mark, and a user profile. To the right of these is the email address 'ManoharOberoi@clouduhbiz.onmicrosoft.com' and the 'CLOUDHUB.BIZ' logo.

The main title is 'Integration runtime setup'. Below it is a navigation bar with tabs: 'Settings' (which is selected), 'Nodes', 'Auto update', 'Sharing', and 'Links'.

A descriptive text block says: 'Install integration runtime on Windows machine or add further nodes using the Authentication Key.' Below this, under 'Name', the value 'datavm' is entered.

Two setup options are presented:

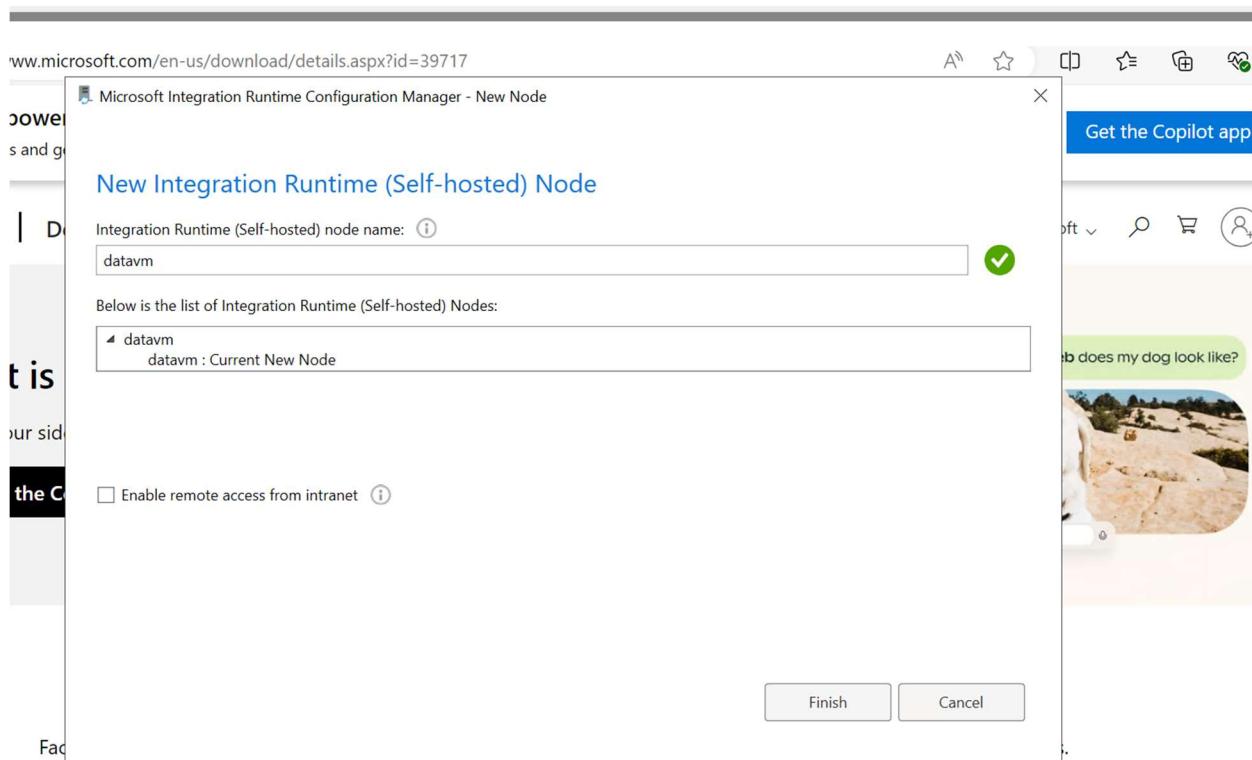
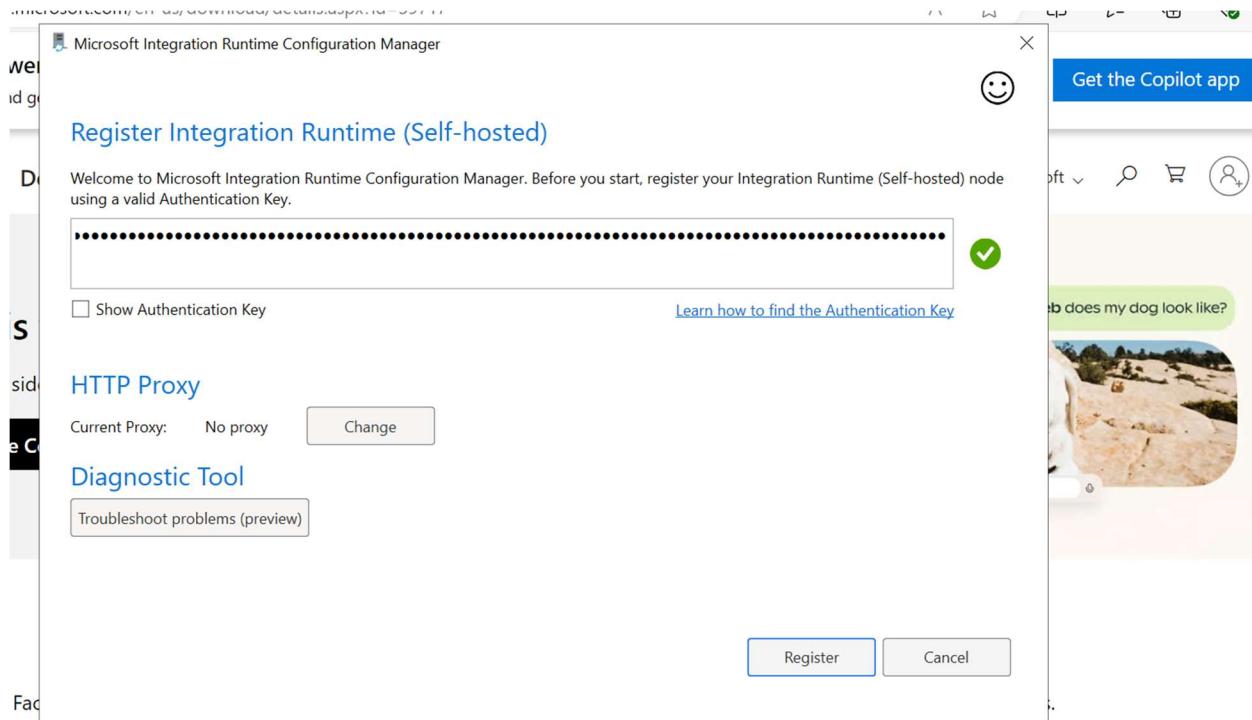
- Option 1: Express setup**: A link to 'Click here to launch the express setup for this computer'.
- Option 2: Manual setup**:
 - Step 1: A link to 'Download and install integration runtime'.
 - Step 2: 'Use this key to register your integration runtime'

Name	Authentication key
Key1	IR@d1f98364-128c-4ff3-9b77-f26bace1057e@datafactoryworkspace
Key2	IR@d1f98364-128c-4ff3-9b77-f26bace1057e@datafactoryworkspace

For Key1, a yellow box highlights the text 'IR@d1f98364-128c-4ff3-9b77-f26bace1057e@datafactoryworkspace'. To its right are a copy icon and a 'Copied!' message.

At the bottom left is a blue 'Close' button.

Paste the key in the configuration manager & click on register

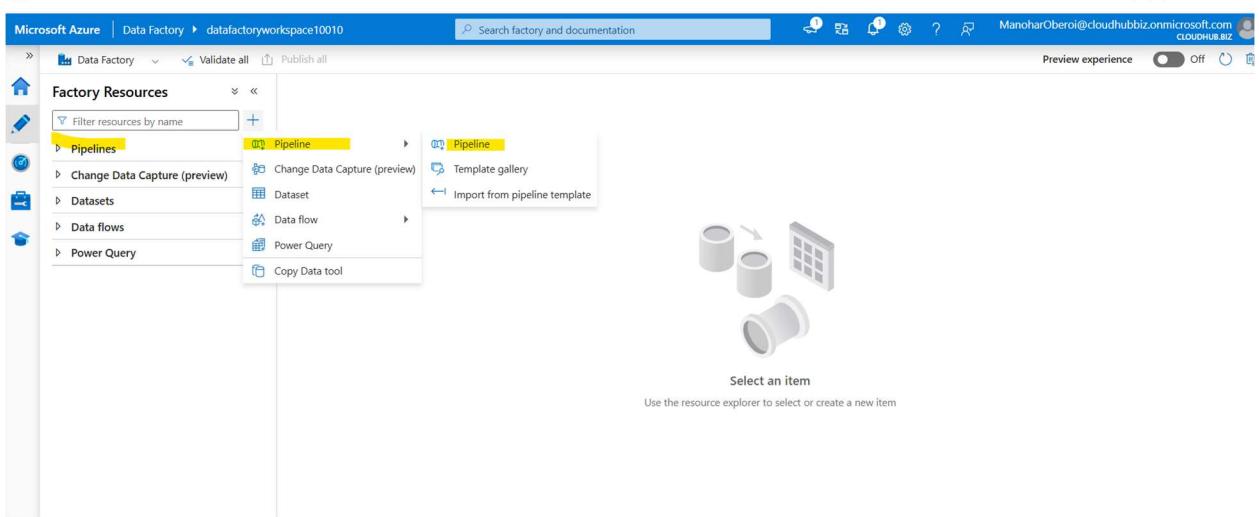


The screenshot shows a Microsoft Edge browser window titled "Microsoft Integration Runtime Configuration Manager". The main content area displays a success message: "Integration Runtime (Self-hosted) node has been registered successfully." Below this, there is a note about associating up to 4 physical nodes with a Self-hosted Integration Runtime for high availability and scalability. A "Launch Configuration Manager" button is at the bottom right.

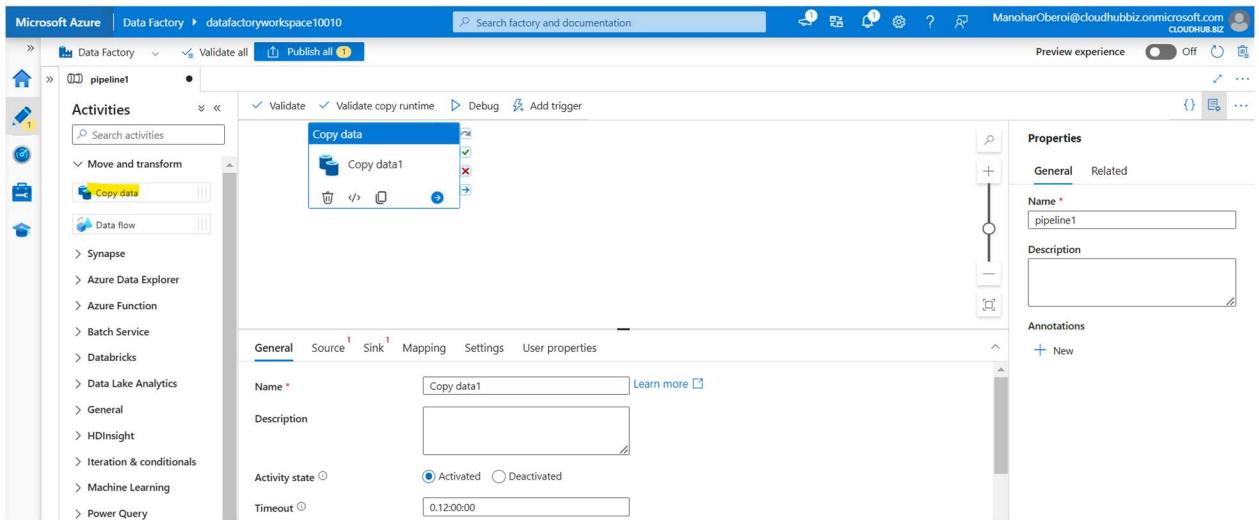
The screenshot shows the Microsoft Azure Data Factory interface. The left sidebar is collapsed. The main area is titled "Integration runtimes" and lists two items: "AutoResolveIntegrationRuntime" (Type: Azure, Sub-type: Public, Status: Running) and "datavm" (Type: Self-Hosted, Sub-type: ..., Status: Running). The "datavm" entry is selected. The top navigation bar shows the URL "datafactoryworkspace10010" and the user "ManoharOberoi@cloudhubbiz.onmicrosoft.com CLOUDHUB.BIZ".

Name	Type	Sub-type	Status	Related	Region	Version
AutoResolveIntegrationRuntime	Azure	Public	Running	0	Auto Resolve	---
datavm	Self-Hosted	...	Running	0	---	5.45.8999.1

Create a pipeline in azure data factory



Drag copy data to the empty space



The screenshot shows the Microsoft Azure Data Factory interface. A copy activity named "Copydataavm" is selected in the main workspace. The properties pane on the right shows the following details:

- Name**: datavm
- Description**: (empty)
- Activity state**: Activated
- Timeout**: 0:12:00:00

The left sidebar lists various activities and services, including Copy data, Data flow, Synapse, Azure Data Explorer, Azure Function, Batch Service, Databricks, Data Lake Analytics, General, HDInsight, Iteration & conditionals, Machine Learning, and Power Query.

Create a source dataset

The screenshot shows the Microsoft Azure Data Factory interface with the "Source" tab selected for the copy activity "Copydataavm". The properties pane on the right shows the following details:

- Name**: datavm
- Description**: (empty)
- Activity state**: Activated
- Timeout**: 0:12:00:00

The "Source" tab has a dropdown menu labeled "Select..." and a "New" button. The left sidebar lists various activities and services, including Copy data, Data flow, Synapse, Azure Data Explorer, Azure Function, Batch Service, Databricks, Data Lake Analytics, General, HDInsight, Iteration & conditionals, Machine Learning, and Power Query.

Microsoft Azure | Data Factory > datafactoryworkspace10010

Search factory and documentation

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Data Factory > Validate all Publish all

Activities > Copy data > Copy data

Copy data > Copydatavm

Validate > Validate copy runtime > Debug > Add trigger

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

File

All Azure Database Generic protocol

Amazon S3 Amazon S3 Compatible FTP

File system Google Cloud Storage HDFS

Continue Cancel

11:12 PM 2/4/2025

This screenshot shows the Microsoft Azure Data Factory interface. A pipeline activity named 'Copy data' is selected. On the right, a 'New dataset' dialog is open, specifically for the 'File' data store. It lists several options: Amazon S3, Amazon S3 Compatible, FTP, File system, Google Cloud Storage, and HDFS. The 'File system' option is highlighted. At the bottom of the dialog are 'Continue' and 'Cancel' buttons.

Microsoft Azure | Data Factory > datafactoryworkspace10010

Search factory and documentation

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Data Factory > Validate all Publish all

Activities > Copy data > Copy data

Copy data > Copydatavm

Validate > Validate copy runtime > Debug > Add trigger

Select format

Choose the format type of your data

Avro Binary DelimitedText

Excel JSON ORC

XML

Continue Back Cancel

This screenshot continues from the previous one, showing the 'Select format' step. It displays various data formats: Avro, Binary, DelimitedText, Excel, JSON, ORC, and XML. The 'DelimitedText' format is highlighted. At the bottom of the dialog are 'Continue', 'Back', and 'Cancel' buttons.

The screenshot shows the Microsoft Azure Data Factory interface. On the left, the 'Factory Resources' sidebar lists Pipelines, Datasets, Data flows, and Power Query. A pipeline named 'datavm' is selected. The main workspace shows the 'Activities' section with various options like Move and transform, Synapse, etc. A modal window titled 'Edit linked service' is open, showing the configuration for 'ddatavm_service'. The 'Source' tab is active, with 'Select...' button. The right side of the modal shows fields for Name (ddatavm_service), Connect via integration runtime (ddatavm), Host (D:\data), User name (manohar), Password (redacted), and Annotations. A 'Save' button is at the bottom.

Run the below command in the windows powershell in VM

```

-a---- 10/4/2013 11:58 PM 660128 msvcp120.dll
-a---- 12/30/2019 2:08 AM 627992 msvcp140.dll
-a---- 10/4/2013 11:58 PM 963232 msvcr120.dll
-a---- 8/28/2024 10:26 AM 710064 Newtonsoft.Json.dll
-a---- 2/28/2017 2:21 PM 728576 odbc32.dll
-a---- 8/28/2024 9:59 AM 3601 pgManifest.man
-a---- 4/8/2020 5:04 AM 728456 PRIVATE_ODBC32.dll
-a---- 8/28/2024 10:27 AM 300088 Snowflake.Data.dll
-a---- 8/28/2024 10:26 AM 175024 System.Diagnostics.DiagnosticSource.dll
-a---- 8/28/2024 10:26 AM 57912 System.IO.Abstractions.dll
-a---- 8/28/2024 10:26 AM 50720 System.IO.Hashing.dll
-a---- 8/28/2024 10:28 AM 179744 System.Net.Http.Formatting.dll
-a---- 8/28/2024 10:26 AM 139296 System.Net.Http.WinHttpHandler.dll
-a---- 8/28/2024 10:27 AM 25008 System.Security.Cryptography.ProtectedData.dll
-a---- 8/28/2024 10:27 AM 121888 System.Spatial.dll
-a---- 4/8/2020 5:04 AM 117640 System.Spatial.NetFx35.dll
-a---- 8/28/2024 10:28 AM 78768 System.Text.Encoding.Web.dll
-a---- 8/28/2024 10:27 AM 108600 System.Text.RegularExpressions.dll
-a---- 8/28/2024 10:28 AM 73248 System.ValueTuple.dll
-a---- 8/28/2024 10:28 AM 456224 System.Web.Http.dll
-a---- 8/28/2024 10:30 AM 91056 System.Web.Http.SelfHost.dll
-a---- 8/28/2024 10:00 AM 3 TopLevelProductName.txt
-a---- 8/28/2024 10:26 AM 17440 TraceReloaderLib.dll
-a---- 8/28/2024 10:28 AM 24096 TypeExtension.dll
-a---- 12/30/2019 2:08 AM 85784 vcruntime140.dll
-a---- 8/28/2024 10:28 AM 52656 WpfAnimatedGif.dll

PS C:\Program Files\Microsoft Integration Runtime\5.0\Shared> .\dmgcmd.exe -DisableLocalFolderPathValidation
PS C:\Program Files\Microsoft Integration Runtime\5.0\Shared>

```

The PowerShell window title is 'Administrator: Windows PowerShell'. It shows a list of files in the current directory, mostly DLLs. The command '.\dmgcmd.exe -DisableLocalFolderPathValidation' was run at the bottom. The background shows a Microsoft Edge browser window with a search bar and a 'Get the Copilot app' button.

Microsoft Azure | Data Factory > datafactoryworkspace10010

Search factory and documentation

All Bookmarks

ManoharOberoi@cloudhubbiz.onmicrosoft.com CLOUDHUB.BIZ

Factory Resources

Pipelines: 1

Datasets: 0

Data flows: 0

Power Query: 0

Activities

datavm

Search activities

Validate Validate copy runtime Debug Add trigger

Move and transform

Synapse

Azure Data Explorer

Azure Function

Batch Service

Databricks

Data Lake Analytics

General

HDInsight

Iteration & conditionals

Machine Learning

Power Query

Source dataset * Select...

General Source Sink Mapping Settings User properties

Connect via integration runtime * datavm

Host * D:\data

User name * manohar

Password * Azure Key Vault

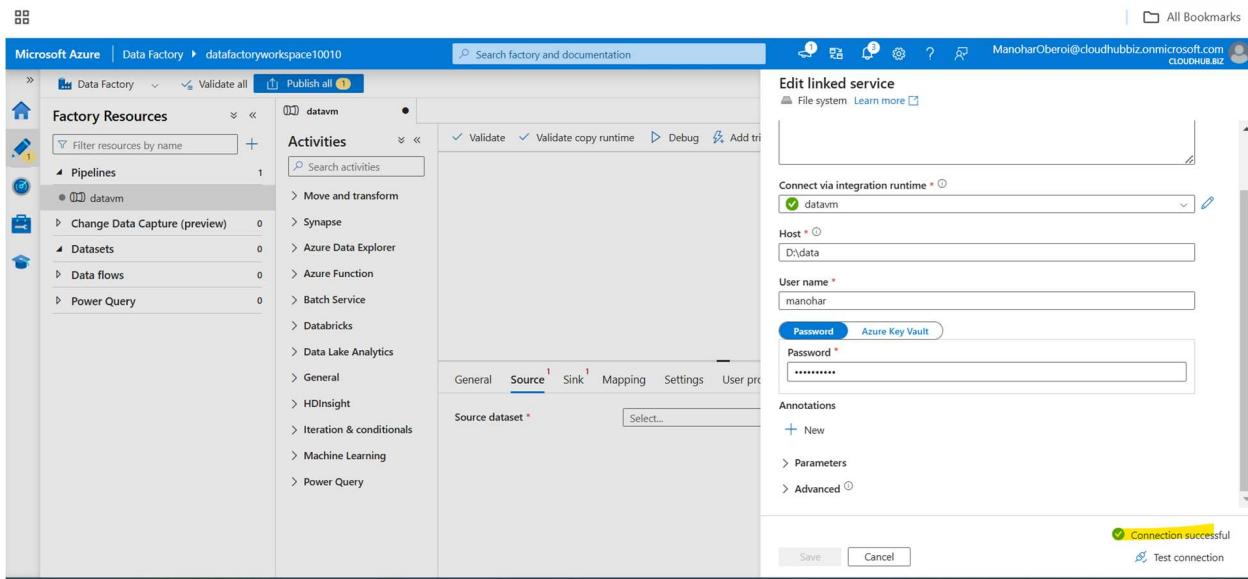
Annotations

Parameters

Advanced

Connection successful

Save Cancel Test connection



Microsoft Azure | Data Factory > datafactoryworkspace10010

Search factory and documentation

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Factory Resources

Pipelines: 1

Datasets: 0

Data flows: 0

Power Query: 0

Activities

datavm

Search activities

Validate Validate copy runtime Debug Add trigger

Move and transform

Synapse

Azure Data Explorer

Azure Function

Batch Service

Databricks

Data Lake Analytics

General

HDInsight

Iteration & conditionals

Machine Learning

Power Query

Source dataset * Select...

General Source Sink Mapping Settings User properties

Set properties

Name datavm

Linked service * ddःdatavm_service

Connect via integration runtime * datavm

File path D:\data / Directory Log.csv

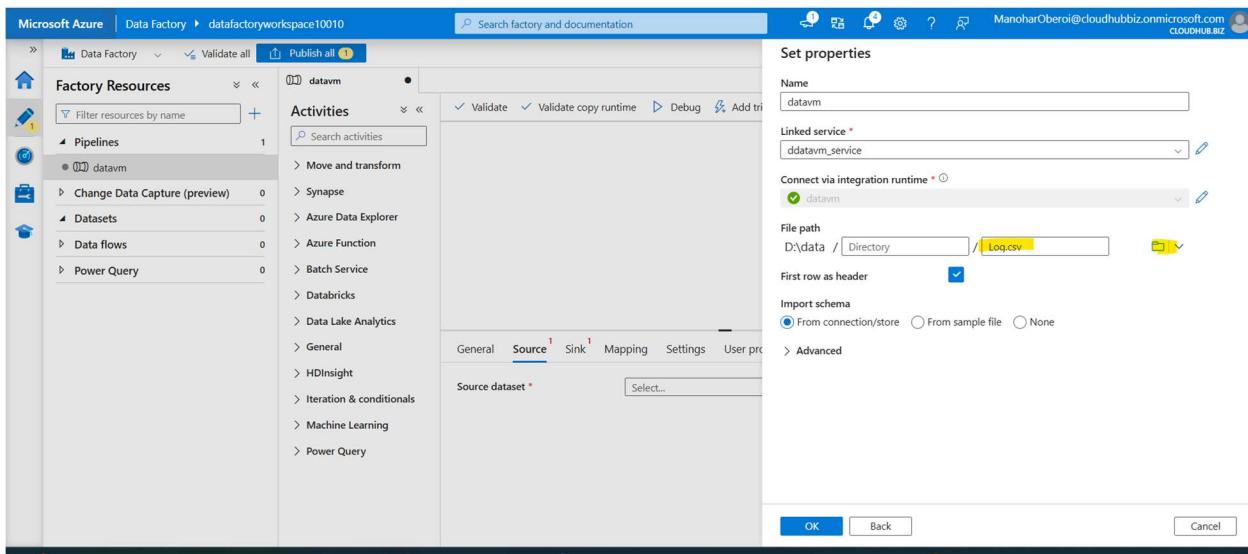
First row as header

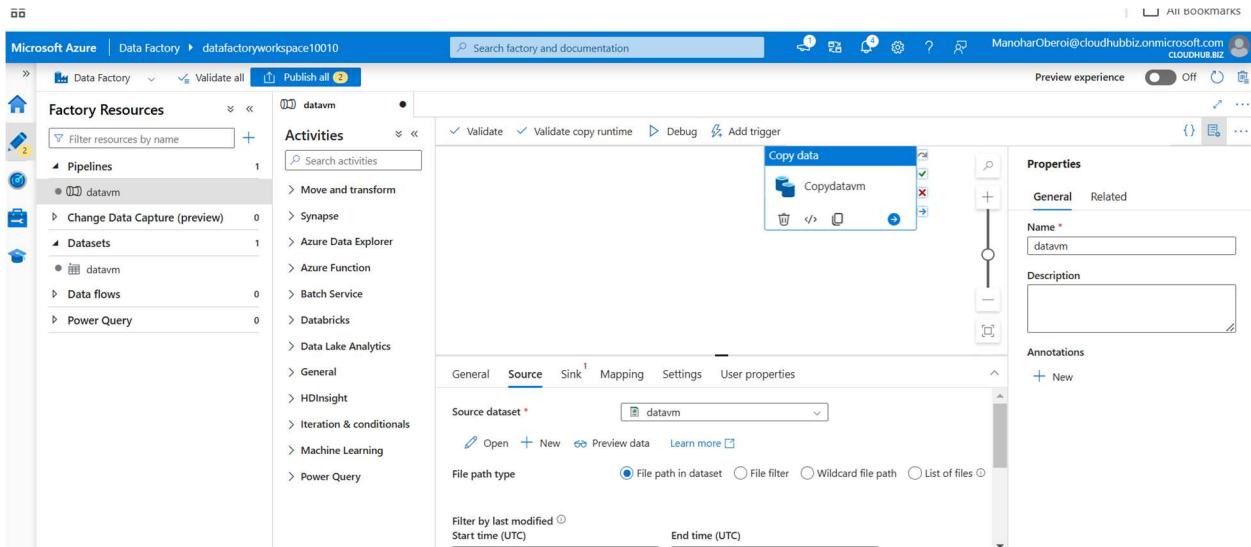
Import schema

From connection/store From sample file None

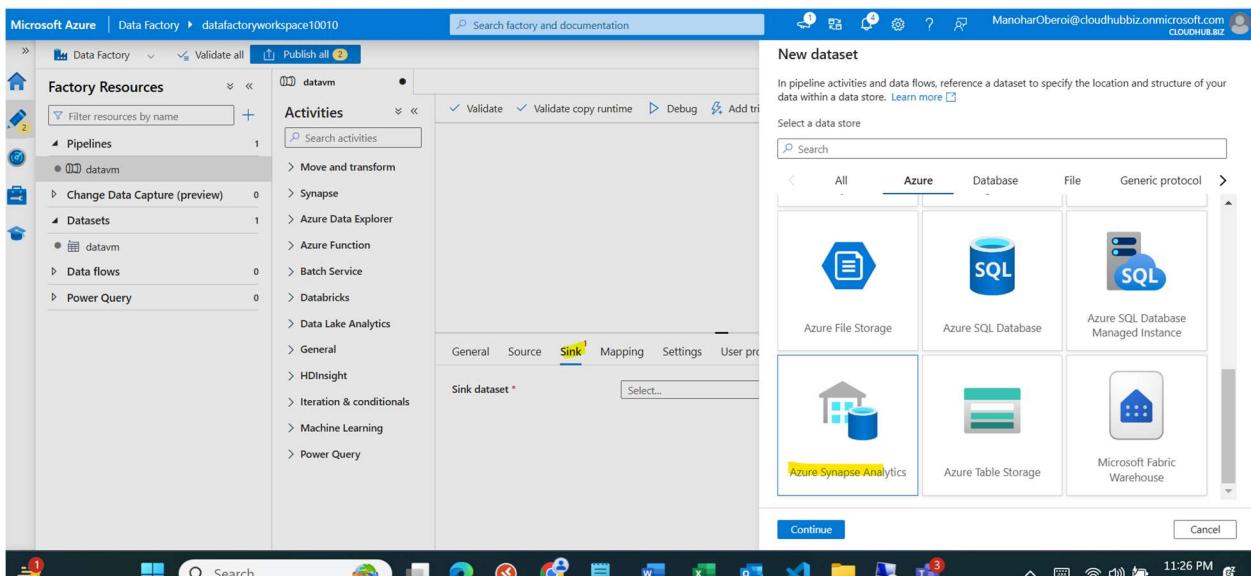
Advanced

OK Back Cancel





Create a destination dataset



Microsoft Azure | Data Factory > datafactoryworkspace10010

Search factory and documentation

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Factory Resources

- Pipelines 1
- datavm 1
- Change Data Capture (preview) 0
- Datasets 1
- datavm
- Data flows 0
- Power Query 0

Activities

- Move and transform
- Synapse
- Azure Data Explorer
- Azure Function
- Batch Service
- Databricks
- Data Lake Analytics
- General
- HDInsight
- Iteration & conditionals
- Machine Learning
- Power Query

General Source Sink¹ Mapping Settings User pro...

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)

Database name *

Create Cancel Test connection

11:29 PM

This screenshot shows the Microsoft Azure Data Factory interface. On the left, the 'Factory Resources' sidebar lists various resources like Pipelines, Datasets, and Activities. The main area shows the 'Activities' list with options like Move and transform, Synapse, and Data Lake Analytics. A 'Sink' tab is selected in the activity details pane. On the right, a 'New linked service' dialog is open for 'Azure Synapse Analytics'. It includes fields for Name (dataworkspace10010_service), Connect via integration runtime (AutoResolveIntegrationRuntime), Version (Recommended), and Account selection method (From Azure subscription). Below these are fields for Azure subscription, Server name (dataworkspace10010), and Database name. At the bottom are 'Create', 'Cancel', and 'Test connection' buttons.

Factory Validate all Publish all

Resources Filter resources by name

Activities Search activities

Validate Validate copy runtime Debug Add tri...

General Source Sink¹ Mapping Settings User pro...

Sink dataset * Select...

New linked service

Azure Synapse Analytics Learn more

Name * sqladminuser

Password Azure Key Vault

Password * *****

Encrypt Mandatory

Trust server certificate

Host name in certificate

Additional connection properties New

Annotations New

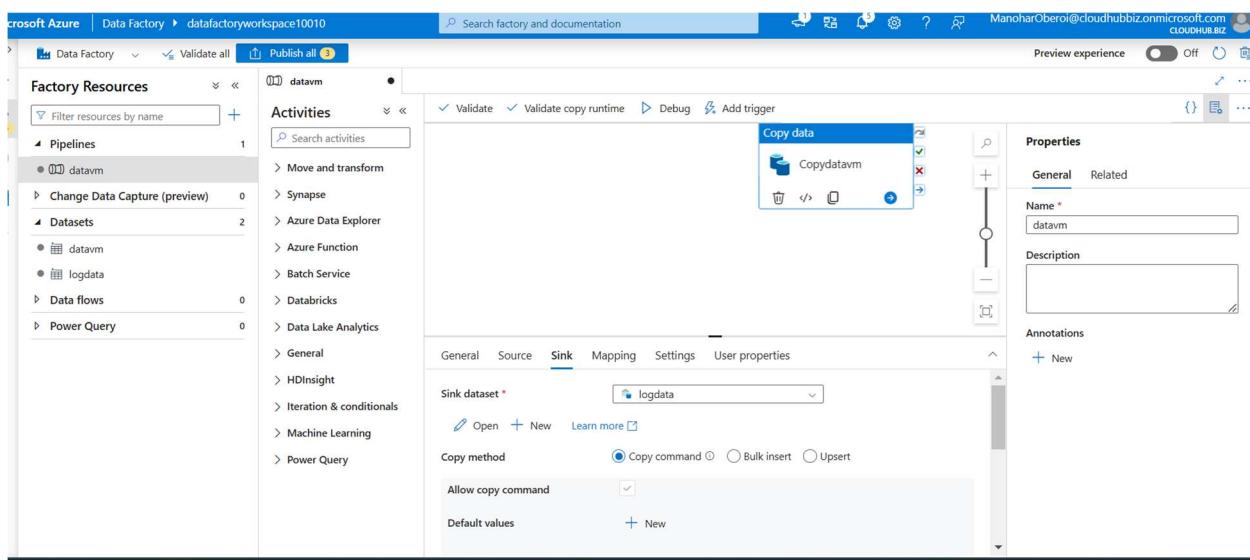
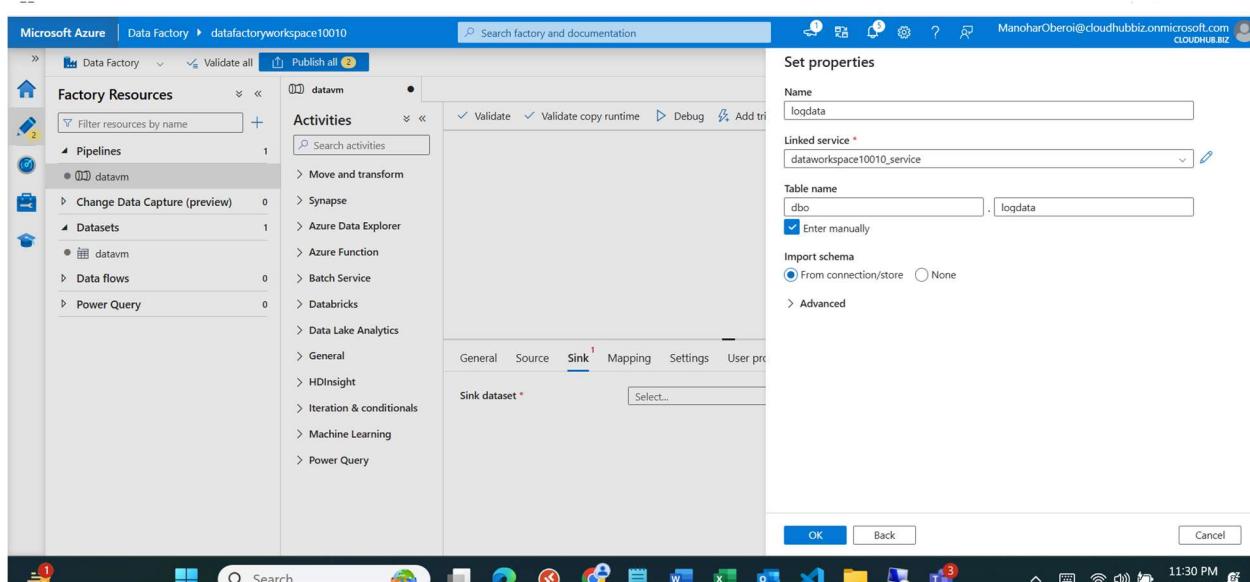
Parameters Advanced

Create Cancel

Connection successful

Test connection

This screenshot shows the Microsoft Azure Data Factory interface after the linked service has been created. The 'New linked service' dialog is still open, but the status at the bottom indicates 'Connection successful'. The 'Sink' tab is still selected in the activity details pane. The 'Sink dataset' dropdown is empty. The 'New linked service' dialog shows the 'sqladminuser' name, 'Password' field filled with '*****', and other connection parameters like 'Encrypt' set to 'Mandatory'. The 'Create' button is visible at the bottom.



The screenshot shows the Microsoft Azure Data Factory interface. On the left, the 'Factory Resources' sidebar lists Pipelines, Datasets, Data flows, and Power Query. A pipeline named 'datavm' is selected. The main workspace displays the 'Activities' section for this pipeline. A 'Copy data' activity is currently being configured. The 'Sink' tab is selected, showing settings for the sink dataset 'logdata'. Other tabs include General, Source, Mapping, Settings, and User properties. To the right, the 'Properties' panel shows the activity's name as 'datavm'. The status bar at the bottom indicates '11:32 PM'.

Click on publish all

This screenshot shows the same Data Factory interface after clicking 'Publish all'. A modal dialog titled 'Publish all' is displayed, stating 'You are about to publish all pending changes to the live environment.' Below this, a table titled 'Pending changes (3)' lists the changes made to the pipeline and datasets. The table has columns for NAME, CHANGE, and EXISTING. The changes listed are:

NAME	CHANGE	EXISTING
Pipelines	datavm (New)	-
Datasets	datavm (New)	-
	logdata (New)	-

At the bottom of the dialog are 'Publish' and 'Cancel' buttons. The status bar at the bottom of the screen shows '11:32 PM'.

The screenshot shows the Microsoft Azure Data Factory interface. On the left, the 'Factory Resources' sidebar lists Pipelines, Datasets, Data flows, and Power Query. A pipeline named 'datavm' is selected. The main workspace displays the 'Activities' section for this pipeline. A 'Copy data' activity is currently being configured. The 'Sink' tab is selected, showing settings for the 'logdata' dataset as the sink. Other tabs include General, Source, Mapping, Settings, and User properties. To the right, the 'Properties' panel shows the pipeline's name ('datavm') and other metadata. A 'Preview experience' bar at the top indicates 'Publishing completed'.

Trigger the pipeline

This screenshot is similar to the previous one but focuses on triggering the pipeline. A yellow box highlights the 'Trigger now' button in the 'Copy data' activity's configuration pane. This button is used to manually run the pipeline. The rest of the interface remains consistent with the first screenshot, showing the pipeline structure and activity details.

Checking status of the pipeline

The screenshot shows the Azure Data Factory interface. On the left, the navigation menu is open, showing options like Dashboards, Runs, Pipeline runs, Trigger runs, Change Data Capture, Runtimes & sessions, Integration runtimes, Data flow debug, Notifications, and Alerts & metrics. The main area is titled "All pipeline runs > datavm - Activity runs". It displays a single activity named "Copy data" with the sub-activity "Copydatavm". The status of this activity is "Queued". Below this, a table titled "Activity runs" shows one item: "Copydatavm" with status "Queued", activity type "Copy data", run start at 2/4/2025, 11:34:08 PM, duration 2s, user properties, and activity run ID ae29e20-1d96-4672-b70c-0ad.

This screenshot shows the "Pipeline runs" section of the Azure Data Factory interface. The left sidebar shows the same navigation menu as the previous screenshot. The main area lists the "datavm" pipeline with one run entry. The run was triggered by a manual trigger on 2/4/2025 at 11:33:59 PM, ended at 11:34:29 PM, and lasted 30 seconds. The status is "Succeeded" and it is an "Original" run.

We have successfully copied data from the VM to Azure Synapse Analytics using the Azure Data Factory

This screenshot shows the Azure Synapse Analytics workspace. The left sidebar includes Home, Data, Develop, Integrate, Monitor, and Manage. The main area is titled "Synapse live" and shows a SQL script editor with the following code:

```

1 SELECT TOP (100) [Correlation_id]
2 ,[Operation_name]
3 ,[Status]
4 ,[Event_category]

```

The results pane shows a table of audit log entries. The columns are Correlation id, Operation name, Status, Event category, Level, Time, Subscription, and Event initiated The results include rows for auditifNotExist, audit Policy ac..., audit Policy ac..., Create or Upda..., and auditifNotExist events.