

AZURE DATA FACTORY

CREATE SQL SERVER

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

All services > SQL servers >

Create SQL Database Server

Microsoft

Basics Networking Additional settings Tags Review + create

SQL database server is a logical container for managing databases and elastic pools. Complete the Basic tab, then go to Review + Create to provision with smart defaults, or visit each tab to customize. [Learn more](#)

Project details

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

Subscription * npunext-1673505322675

Resource group * Azureresource [Create new](#)

Server details

Enter required settings for this server, including providing a name and location.

Server name * sqlserverdemotraining .database.windows.net

Location * (US) East US

[Review + create](#) [Next: Networking >](#)

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All services >

Microsoft.SQLServer.createServer_bd1cf3d467344fbd9ad458670a24c3 | Overview

Deployment

Search « Delete Cancel Redeploy Download Refresh

Overview Inputs Outputs Template

✓ Your deployment is complete

Deployment name : Microsoft.SQLServer.createServer... Start time : 9/6/2023, 10:29:18 AM
Subscription : npunext-1673505322675 Correlation ID : 4936d671-023e-457f-8057-db3...
Resource group : Azureresource

> Deployment details

Next steps

[Go to resource](#)

Give feedback

[Tell us about your experience with deployment](#)

Deployment succeeded

Deployment
Microsoft.SQLServer.createServer_bd1cf3d467344fbd9ad458670a24c3 to resource group 'Azureresource' was successful.

[Go to resource](#) [Pin to dashboard](#)

Cost management

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CREATE SQL DATABASE

The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes the Microsoft Azure logo, a search bar, and user information. The main content area displays the deployment progress for a Microsoft SQL Database. The deployment name is "Microsoft.SQLDatabase.newDatabaseExistingServer_80b061e957064df7". The deployment is in progress, with a status of "Accepted" for the SQL database resource and "OK" for the SQL server resource. The deployment details table shows the following resources:

Resource	Type	Status	Operation
sqlserverdemot...	SQL database	Accepted	Operation
sqlserverdemotair	SQL server	OK	Operation

The right sidebar contains links to Microsoft Defender for Cloud, Free Microsoft tutorials, and Work with an expert.

The screenshot shows the Microsoft Azure portal interface, specifically the Query editor (preview) for a Microsoft SQL Database. The query editor displays a SQL query to create a table named "TotalSale". The query is as follows:

```
1 CREATE TABLE TotalSale (  
2   id int NOT NULL  
3   ,SalePersonFName varchar(100) NULL  
4   ,SalePersonLName varchar(100) NULL  
5   ,ProductName varchar(100) NULL  
6   ,ItemsSold int NULL  
7   ,SoldPrice int NULL  
8   ,Country varchar(100) NULL  
9 )
```

The query editor also includes a "Results" tab and a "Messages" tab. The "Results" tab is currently selected, showing a search bar for filtering items. The "Messages" tab is also visible, showing a search bar for filtering items.

CREATE DATA FACTORY

Microsoft Azure

Search resources, services, and docs (G+)

Shellunext_1693422264...
UNETX (NPUNEXT.ONMICROSOFT...)

Home >

Microsoft.DataFactory-20230906112751 | Overview

Deployment

Search

Delete Cancel Redeploy Download Refresh

Overview

Inputs

Outputs

Template

✓ Your deployment is complete

Deployment name : Microsoft.DataFactory-2023090... Start time : 9/6/2023, 11:29:14 AM
Subscription : npunext-1673505322675 Correlation ID : 3ced443e-e6db-4017-b10f-e5d...
Resource group : ADFResource

> Deployment details

< Next steps

Go to resource

Give feedback
Tell us about your experience with deployment

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Shellunext_1693422264...
UNETX (NPUNEXT.ONMICROSOFT...)

Home >

Data factories

Unext (npunext.onmicrosoft.com)

+ Create

Manage view

Refresh

Export to CSV

Open query

Assign tags

Filter for any field...

Subscription equals all

Type equals all

Resource group equals all

Location equals all

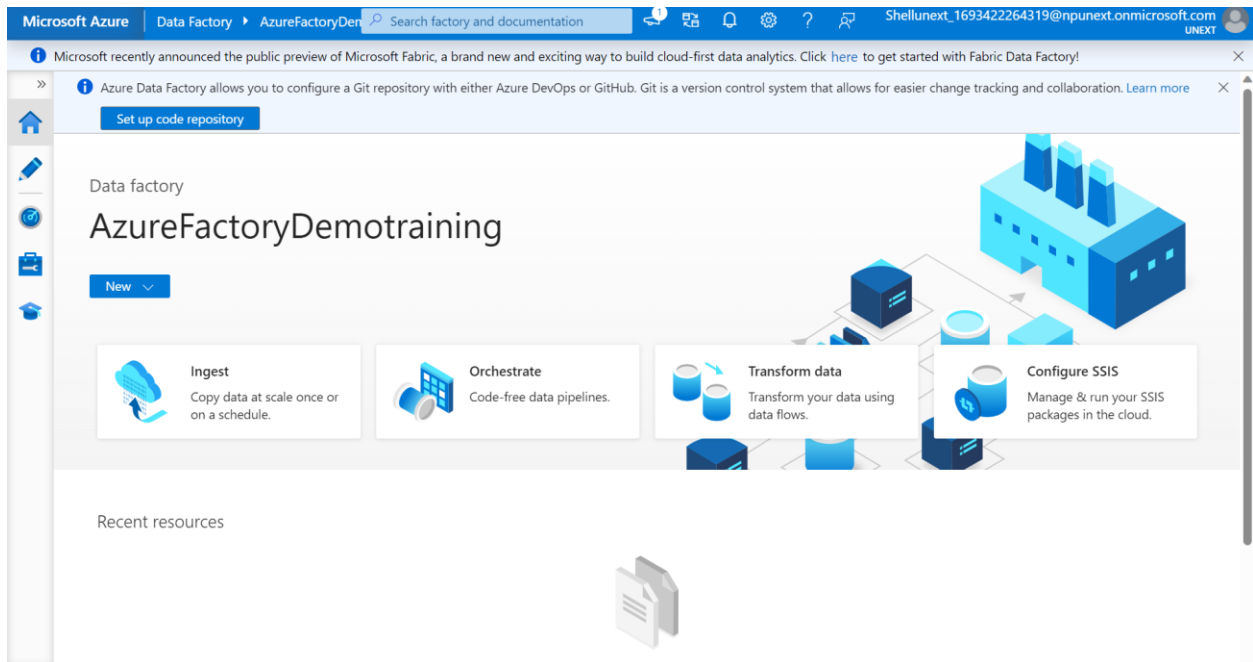
Add filter

Showing 1 to 1 of 1 records.

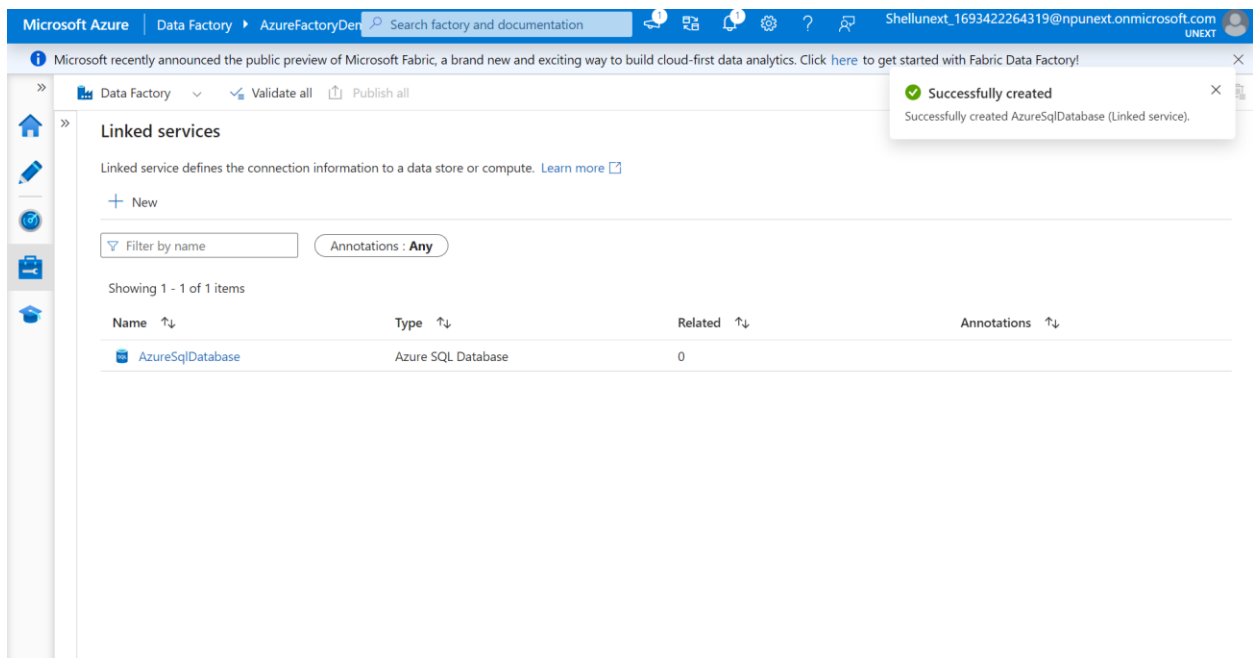
No grouping

List view

<input type="checkbox"/>	Name ↑↓	Type ↑↓	Subscription ↑↓	Resource group ↑↓	Location ↑↓	
<input type="checkbox"/>	AzureFactoryDemotraining	Data factory (V2)	npunext-1673505322675	ADFResource	East US	...



CREATE LINKED SERVICE



Microsoft Azure | Data Factory | AzureFactoryDev | Search factory and documentation | Shellunext_1693422264319@npunext.onmicrosoft.com | UNEXT

Microsoft recently announced the public preview of Microsoft Fabric, a brand new and exciting way to build cloud-first data analytics. Click [here](#) to get started with Fabric Data Factory!

» Data Factory | Validate all | Publish all | Preview experience | Off

Factory Resources

Filter resources by name

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

AzureSqlTable

Azure SQL Database
AzureSqlTable

Connection Schema Parameters

Linked service * AzureSqlDatabase

Test connection Edit + New Learn more

Table Select... Refresh

Preview data

Properties

General Related

Name * AzureSqlTable

Description

Annotations

+ New

Microsoft Azure | Data Factory | AzureFactoryDev | Search factory and documentation | Shellunext_1693422264319@npunext.onmicrosoft.com | UNEXT

» Data Factory | Validate all | Publish all | Preview experience | Off

Factory Resources

Filter resources by name

- Pipelines 1
 - pipeline1
- Change Data Capture (preview) 0
- Datasets 3
 - AzureSqlTable
 - DelimitedText1
 - If_Condition_Dataset
- Data flows 0
- Power Query 0

pipeline1

Activities

cop

Move and transform

Copy data

Validate

If_Cond

General Activities (2)

Name * If Condition1

Description

Close

Pipeline validation output

Your pipeline has been validated.
No errors were found.

FILTER ACTIVITY

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

Home > azurestore11 | Containers >

f-demo Container

Search

Upload Change access level Refresh Delete Change tier Acquire lease Break lease View snapshots

Authentication method: Access key (Switch to Azure AD User Account)
Location: f-demo

Search blobs by prefix (case-sensitive) Show deleted blobs

Add filter

Name	Modified	Access tier	Archive status	Blob type	Size
output					
Customer_Details.csv	9/6/2023, 1:46:40 PM	Hot (Inferred)		Block blob	149
Emp_Details.txt	9/6/2023, 1:46:40 PM	Hot (Inferred)		Block blob	239
File1.txt	9/5/2023, 11:25:48 AM	Hot (Inferred)		Block blob	156
NYCTripSmall.parquet	9/5/2023, 3:19:36 PM	Hot (Inferred)		Block blob	4.93
Std_details.csv	9/5/2023, 12:17:03 PM	Hot (Inferred)		Block blob	166
Std_details.txt	9/6/2023, 1:46:40 PM	Hot (Inferred)		Block blob	166

Microsoft Azure Data Factory AzureFactoryDen Search factory and documentation

Preview experience Off

Factory Resources

- Pipelines 2
 - pipeline1
 - Filter_pipeline
- Change Data Capture (preview) 0
- Datasets 4
 - AzureSqlTable
 - DelimitedText1
 - Filter_Dataset
 - If_Condition_Dataset
- Data flows 0
- Power Query 0

Activities

- get
- Get Metadata

Get Metadata

Get Metadata1

General Settings User properties

Name * Get Metadata1

Description

Activity state (preview) Active Inactive

Properties

General Related

Name * Filter_pipeline

Description

Annotations

New

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» Data Factory | Validate all | Publish all

Preview experience Off

Factory Resources

Filter resources by name

- Pipelines 2
 - pipeline1
 - Filter_pipeline
- Change Data Capture (preview) 0
- Datasets 4
 - AzureSqlTable
 - DelimitedText1
 - Filter_Dataset
 - If_Condition_Dataset
- Data flows 0
- Power Query 0

Activities

pipeline1

Validate Debug Add trigger

Filter

Iteration & conditionals

Filter

Get Metadata

Filter1

Zoom in

Properties

General Related

Name *
Filter_pipeline

Description

Annotations
+ New

General Settings 2 User properties

Name *
Filter1
[Learn more](#)

Description

Activity state (preview)
☒ Active ☐ Inactive

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» Data Factory | Validate all | Publish all

Preview experience Off

Factory Resources

Filter resources by name

- Pipelines 2
 - pipeline1
 - Filter_pipeline
- Change Data Capture (preview) 0
- Datasets 4
 - AzureSqlTable
 - DelimitedText1
 - Filter_Dataset
 - If_Condition_Dataset
- Data flows 0
- Power Query 0

Activities

pipeline1

Validate ... {}

Filter

Iteration & conditionals

Filter

Properties


General Related

Name *
Filter_pipeline

Description

Annotations
+ New

Pipeline validation output



Your pipeline has been validated.
No errors were found.

Close

SET VARIABLE ACTIVITY

This screenshot shows the Microsoft Azure Data Factory interface. On the left, the 'Factory Resources' pane lists various resources, including Pipelines (Filter_pipeline, pipeline1, variable_pipeline), Datasets (AzureSqlTable, DelimitedText1, Filter_Dataset, If_Condition_Dataset), Data flows, and Power Query. The 'Activities' pane shows a search for 'set' and a list of activities, with 'Set variable' selected. The main canvas displays the 'Set variable' activity configuration. The 'General' tab is active, showing the activity name 'Set variable1' and a description 'Set variable1'. The 'Settings' tab is also visible, showing the 'Variable type' set to 'Pipeline variable' and the 'Name' set to 'cityName'. The 'Value' field contains a complex expression: `addressLine, 'State:'), 2), add(indexof(pipeline() parameters.addressLine, 'City'), 6))`. The 'Properties' pane on the right shows the 'Name' as 'variable_pipeline' and the 'Description' as an empty field. The 'Annotations' section shows a '+ New' button.

This screenshot shows the Microsoft Azure Data Factory interface after a pipeline validation. The 'Pipeline validation output' pane on the right displays a message: 'Your pipeline has been validated. No errors were found.' The 'Properties' pane on the left shows the 'Name' as 'variable_pipeline' and the 'Description' as an empty field. The 'Annotations' section shows a '+ New' button. The 'Factory Resources' and 'Activities' panes are also visible, showing the same resources and activities as in the previous screenshot.

APPEND VARIABLE

Microsoft Azure | Data Factory | AzureFactoryDen | Search factory and documentation | Shellunext_169342264319@npunext.onmicrosoft.com | UNEXT

» Data Factory | Validate all | Publish all 7 | Preview experience Off

Factory Resources

- Pipelines (3)
 - Filter_pipeline
 - pipeline1
 - variable_pipeline
- Change Data Capture (preview) (0)
- Datasets (4)
 - AzureSqlTable
 - DelimitedText1
 - Filter_Dataset
 - If_Condition_Dataset
- Data flows (0)
- Power Query (0)

Activities

app

General

- Append variable

Properties

General

Name *
variable_pipeline

Description

Annotations
+ New

Settings

Name *
listofCities

Value *

Disclaimer: Append Variables Only Supports Adding To 'Array' Type Variables

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» Data Factory | Validate all | Publish all 7 | Preview experience Off

Factory Resources

- Pipelines (3)
 - Filter_pipeline
 - pipeline1
 - variable_pipeline
- Change Data Capture (preview) (0)
- Datasets (4)
 - AzureSqlTable
 - DelimitedText1
 - Filter_Dataset
 - If_Condition_Dataset
- Data flows (0)
- Power Query (0)

Activities

se

Synapse

- Notebook

Batch Service

- Custom

General

- Set variable

Properties

General

Name *
variable_pipeline

Description

Annotations
+ New

Pipeline validation output

Your pipeline has been validated.
No errors were found.

Close

WEB ACTIVITY:

This screenshot shows the Microsoft Azure Data Factory portal interface. The top navigation bar includes the Microsoft Azure logo, the path 'Data Factory > AzureFactoryDev', a search bar, and a user profile. The main content area is divided into three panels:

- Factory Resources:** A sidebar on the left showing a tree view of resources. Under 'Pipelines', 'web_pipeline' is selected. Under 'Datasets', several datasets are listed, including 'DelimitedText1' and 'Filter_Dataset'.
- Activities:** A central panel showing the 'Web' activity selected from a list. The activity is represented by a globe icon and labeled 'Web1'.
- Properties:** A right-hand panel showing the configuration for the 'Web' activity. The 'General' tab is active, displaying fields for 'Name' (set to 'web_pipeline'), 'Description', and 'Annotations'. Below these, the 'Settings' tab is visible, showing the 'URL' field with the value 'http://dummy.restapiexample.com/api/v...', the 'Method' set to 'GET', and 'Authentication' set to 'None'. A warning icon and message are present: 'Information will be sent to the URL specified. Please ensure you trust the URL entered.'

This screenshot shows the same Microsoft Azure Data Factory portal interface, but with a 'Publishing completed' notification overlay. The notification is a green box with a checkmark icon and the text 'Publishing completed' and 'Successfully published'. The 'Factory Resources' sidebar now shows only one pipeline, 'web_pipeline'. The 'Activities' panel still shows the 'Web' activity, and the 'Properties' panel remains the same, displaying the configuration for the 'Web' activity.

>>

<<

Home

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Pipeline runs

Trigger runs

Change Data Capture (previ...

Runtimes & sessions

Integration runtimes

Data flow debug

Notifications

Alerts & metrics

Pipeline runs

Triggered Debug Rerun Cancel options Refresh Edit columns List Gantt

Filter by run ID or name Chennai, Kolkata, Mu... : Last 24 hours Pipeline name : All Copy filters Export to CSV

Status : All Runs : Latest runs Triggered by : All Add filter

Showing 1 - 1 items Last refreshed 0 minutes ago

<input type="checkbox"/>	Pipeline name ↑↓	Run start ↑↓	Run end ↑↓	Duration	Triggered by	Status ↑↓
<input type="checkbox"/>	web_pipeline	9/6/2023, 3:29:42 PM	9/6/2023, 3:29:47 PM	6s	Manual trigger	Failed