

# Key Vault

Create a key vault:

Go to create resource and search for key vault

The screenshot shows the Azure portal interface for creating a Key Vault. The top navigation bar includes the Microsoft Azure logo, an 'Upgrade' button, a search bar, and a Copilot icon. The user's profile 'deepthi@ragapriyasara...' is visible in the top right.

The main content area is titled 'Key Vault' with a Microsoft logo and a search icon. Below this, there's a section for 'Key Vault' with a heart icon and 'Add to Favorites' link. It shows 'Microsoft | Azure Service' with a 4.1 star rating from 689 ratings. A 'Plan' dropdown is set to 'Key Vault', and a 'Create' button is present.

The breadcrumb trail is 'Home > Create a resource > Marketplace > Key Vault >'. The main heading is 'Create a key vault'.

The form is divided into several sections:

- Project details:** A note about selecting a subscription and resource group.
- Subscription \*:** A dropdown menu showing 'Azure subscription 1'.
- Resource group \*:** A dropdown menu showing 'DKresource' with a 'Create new' link below it.
- Instance details:**
  - Key vault name \* ⓘ:** A text input field containing 'blobkvdatabricks' with a green checkmark.
  - Region \*:** A dropdown menu showing 'East US'.
  - Pricing tier \* ⓘ:** A dropdown menu showing 'Standard'.
- Recovery options:** A note about soft delete protection.

At the bottom, there are three buttons: 'Previous', 'Next', and 'Review + create'. A 'Give feedback' link is also present in the bottom right corner.

## Go to Access configuration change permission model to vault access policy

[Home](#) > [Create a resource](#) > [Marketplace](#) > [Key Vault](#) >

### Create a key vault

Basics **Access configuration** Networking Tags Review + create

#### Configure data plane access for this key vault

To access a key vault in data plane, all callers (users or applications) must have proper authentication and authorization. Authentication establishes the identity of the caller. Authorization determines which operations the caller can execute. [Learn more](#)

#### Permission model

Grant data plane access by using a [Azure RBAC](#) or [Key Vault access policy](#)

- ☐ Azure role-based access control (recommended) ⓘ  
☒ Vault access policy ⓘ

#### Resource access

- ☐ Azure Virtual Machines for deployment ⓘ  
☐ Azure Resource Manager for template deployment ⓘ  
☐ Azure Disk Encryption for volume encryption ⓘ

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

[Give feedback](#)

## Review and create

Microsoft Azure

Upgrade

Search resources, services, and docs (G+)

Copilot

deepthi@ragapriyasara...  
DEFAULT DIRECTORY

Home >

blobkvdatabricks | Overview

Deployment

Search

Delete Cancel Redeploy Download Refresh

Overview

Inputs

Outputs

Template

Deployment is in progress

Deployment name : blobkvdatabricks

Subscription : [Azure subscription 1](#)

Resource group : [DKresource](#)

Start time : 3/18/2025, 10:16:40 PM

Correlation ID : ebcaf17e-b5e7-4388-a12a-389...

Deployment details

Resource	Type	Status	Operator
There are no resources to display.			

Give feedback

Tell us about your experience with deployment

Deployment in progress...

Deployment to resource group 'DKresource' is in progress.

Microsoft Defender for Cloud

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Now create a secret

Go to key vault-> objects-> secrets

Microsoft Azure Upgrade Search resources, services, and docs (G+/I) Copilot

Home > blobkvdatabricks | Secrets >

## Create a secret

Upload options: Manual

Name \*

Secret value \*

Content type (optional)

Set activation date ☐

Set expiration date ☐

Enabled: Yes No

Tags: 0 tags

Create Cancel

Get SAS token from Blob storage

Go to blob storage-> Security+ Network -> SAS

Microsoft Azure Upgrade Search resources, services, and docs (G+/I) Copilot

Home > Storage accounts > deepthiblob

## deepthiblob | Shared access signature

Storage account

Search

Partner solutions

Resource visualizer

Data storage

- Containers
- File shares
- Queues
- Tables

Security + networking

- Networking
- Front Door and CDN
- Access keys
- Shared access signature
- Encryption
- Microsoft Defender for Cloud

Preferred routing tier

Basic (default) Microsoft network routing Internet routing

Some routing options are disabled because the endpoints are not published.

Signing key

key1

Generate SAS and connection string

Connection string

BlobEndpoint=https://deepthiblob.blob.core.windows.net/QueueEndpoint=https://deepthiblob.queue.core.windows.net/FileEndpoint=https://deepthiblob...

SAS token

sv=2024-11-04&ss=bfqt&srt=sco&sp=rwdlacupiytx&se=2025-03-20T02:18:42Z&st=2025-03-19T02:18:42Z&spr=https&sig=b8uJM29A9s%2FQc8KK%2F...

Blob service SAS URL

https://deepthiblob.blob.core.windows.net/?sv=2024-11-04&ss=bfqt&srt=sco&sp=rwdlacupiytx&se=2025-03-20T02:18:42Z&st=2025-03-19T02:18:42Z...

File service SAS URL

https://deepthiblob.file.core.windows.net/?sv=2024-11-04&ss=bfqt&srt=sco&sp=rwdlacupiytx&se=2025-03-20T02:18:42Z&st=2025-03-19T02:18:42Z...

Copy paste SAS token generated in blob in Secret value field and create the Secret.

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

Home > blobkvdatabricks | Secrets >

### Create a secret

Upload options: Manual

Name: sas-key

Secret value: [Redacted]

Content type (optional):

Set activation date: ☐

Set expiration date: ☐

Enabled: Yes No

Tags: 0 tags

Create Cancel

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

Home > blobkvdatabricks

### blobkvdatabricks | Secrets

Key vault

Search

+ Generate/Import Refresh Restore Backup Manage deleted secrets View sample code

The secret 'sas-key' has been successfully created.

Name	Type	Status	Expiration date
sas-key		✓ Enabled	

Give feedback

Now we have to create a scope

For that go to <https://adb-2147694267598473.13.azuredatabricks.net/?o=2147694267598473#secrets/createScope>

Microsoft Azure databricks Search data, notebooks, recents, and more... CTRL + P wsp-deepthidb

+ New

- Workspace
- Recents
- Catalog
- Workflows
- Compute
- Marketplace

SQL

- SQL Editor
- Queries
- Dashboards
- Genie
- Alerts
- Query History
- SQL Warehouses

Data Engineering

- Job Runs
- Data Ingestion
- Pipelines

HomePage / Create Secret Scope

### Create Secret Scope

A store for secrets that is identified by a name and backed by a specific store type. [Learn more](#)

Scope Name

Manage Principal

#### Azure Key Vault

DNS Name

Resource ID

To get DNS name and resource ID we need to go to key vault -> settings -> properties

DNS value is Vault URL

Resource ID is Resource ID

Copy these to scope creation and create scope

Microsoft Azure Upgrade Search resources, services, and docs (G+/) Copilot deepthi@ragapriyasara... DEFAULT DIRECTORY

Home > blobkvdatabricks

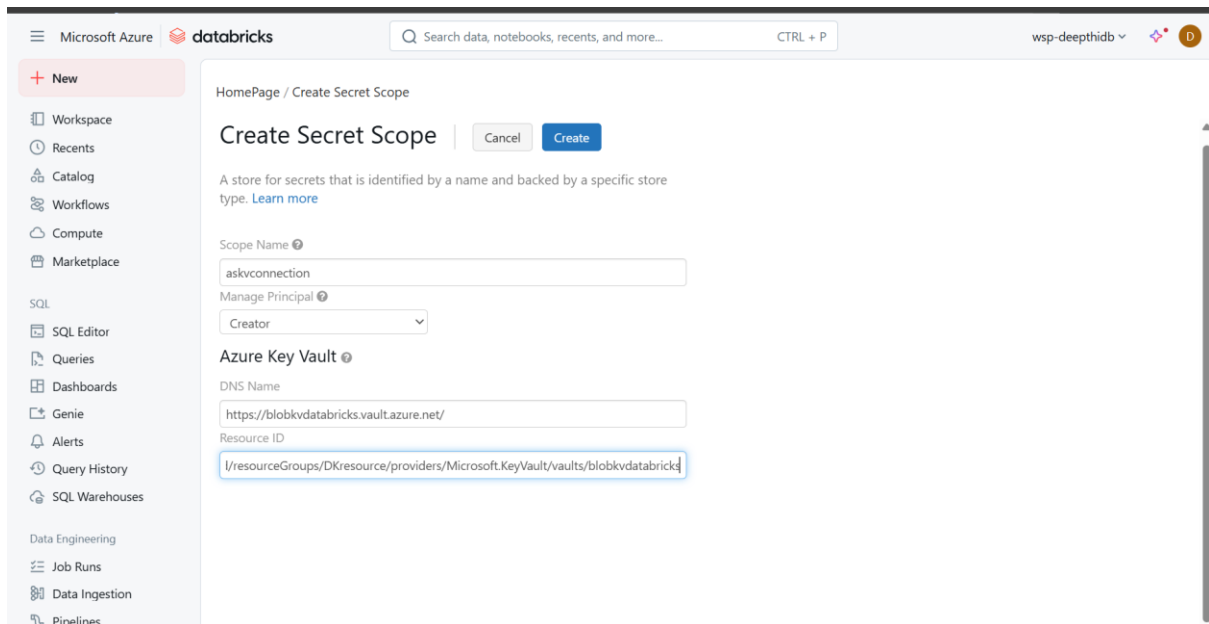
### blobkvdatabricks | Properties

Key vault

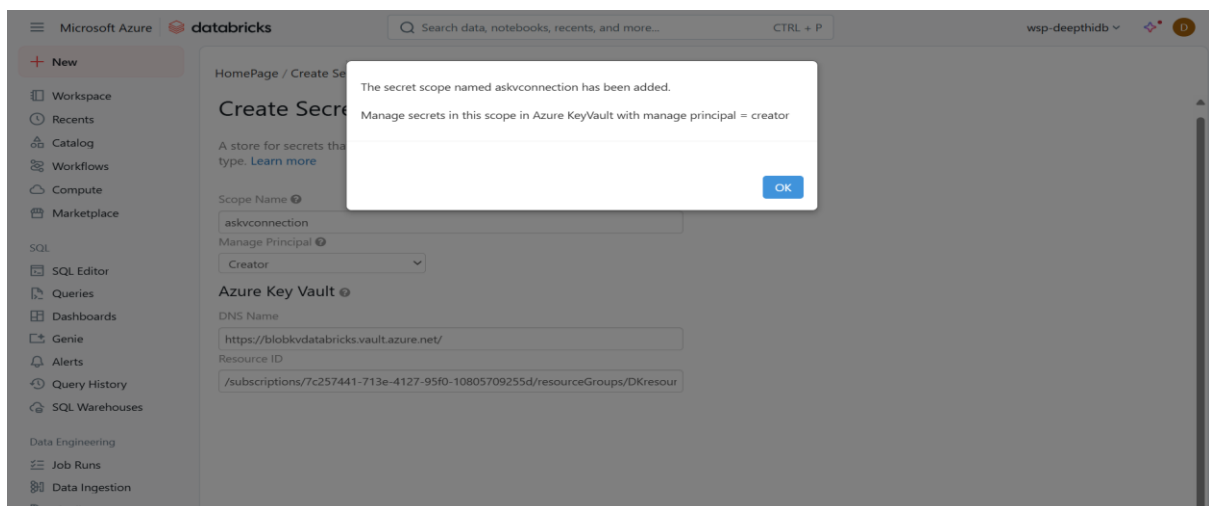
Search Save Discard changes Refresh

- Resource visualizer
- Events
- Objects
  - Keys
  - Secrets
  - Certificates
- Settings
  - Access configuration
  - Networking
  - Microsoft Defender for Cloud
  - Properties**
  - Locks
  - Monitoring
  - Automation
  - Help

Name	blobkvdatabricks
Sku (Pricing tier)	Standard
Location	eastus
Vault URI	<a href="https://blobkvdatabricks.vault.azure.net/">https://blobkvdatabricks.vault.azure.net/</a>
Resource ID	<a href="/subscriptions/7c257441-713e-4127-95f0-10805709255d/resourceGroups/DKresource/providers/Microsoft.KeyVault...">/subscriptions/7c257441-713e-4127-95f0-10805709255d/resourceGroups/DKresource/providers/Microsoft.KeyVault...</a>
Subscription ID	7c257441-713e-4127-95f0-10805709255d
Subscription Name	Azure subscription 1
Directory ID	bce9b90d-2116-4e6a-b07f-9d1a3f833be7
Directory Name	Default Directory
<b>Soft-delete</b>	<b>Soft delete has been enabled on this key vault</b>
Days to retain deleted vaults	90
Purge protection	<input checked="" type="radio"/> Disable purge protection (allow key vault and objects to be purged during retention period) <input type="radio"/> Enable purge protection (enforce a mandatory retention period for deleted vaults and vault objects)



## Create



Now let's create a mount using SAS

```
dbutils.fs.mount(
```

```
    source = "wasbs://edw@deepthiblob.blob.core.windows.net",
```

```
    mount_point = "/mnt/Dataload",
```

```
    extra_configs = {"fs.azure.sas.edw.deepthiblob.blob.core.windows.net":dbutils.secrets.get(scope = "askvconnection", key = "sas-key")})
```

give scope name and key value

to get those details we will use dbutils.screret command

`inferSchema` is used to get the data from the file

```
df=spark.read.format("csv").option("header", "true").option("inferSchema", "true").load("/mnt/edw/DataLoad/Employee_day_2.csv")
```

(2) Spark Jobs

df: pyspark.sql.dataframe.DataFrame

- ID: integer
- E\_Name: string
- E\_City: string
- E\_Phonenumner: long

To display the content of the file we use display(df).

display(df)

(1) Spark Jobs

Table +

	ID	E_Name	E_City	E_Phonenumner
1	1	Robert	Sudbury	4169793456
2	4	charlie	Montreal	7896054327

2 rows | 0.82s runtime

Refreshed now

Here as we used key vault our access key or SAS key is not visible which provides security so others outside from organization will not be able to access the storage account.