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Program: BSSE

Section: B

Lab 05 - Implement Azure Key Vault

Task 01: Create an Azure Key Vault

The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes the Microsoft Azure logo, a search bar, and a Copilot button. The user is signed in as 'bsse2280151@szabist.pk' with a 'DEFAULT DIRECTORY' indicator. On the left, a sidebar shows 'All services > Key vaults'. The main content area is titled 'Key vaults' and displays a message 'No key vaults to display'. It includes a large icon of a key inside a circle and a sub-instruction 'Safeguard cryptographic keys and other secrets used by cloud apps and services.' Below this are 'Create' and 'Learn more' buttons. A filter bar at the bottom allows filtering by 'Subscription equals all', 'Resource Group equals all', and 'Location equals all'. The right sidebar shows the user's profile picture, email, and account options.

The screenshot shows the 'Create a key vault' wizard in the Microsoft Azure portal. The top navigation bar and user profile are identical to the previous screenshot. The main title is 'Create a key vault'. The 'Basics' tab is selected, showing a detailed description of what Azure Key Vault is and how it works. Below this, the 'Project details' section asks for the subscription and resource group. The subscription is set to 'Azure for Students' and the resource group is '(New) Lab05-RG'. At the bottom are 'Previous', 'Next', and 'Review + create' buttons, along with a 'Give feedback' link.

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

All services > Key vaults > Create a key vault ...

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

Subscription * Azure for Students

Resource group * (New) Lab05-RG Create new

Instance details

Key vault name * keyvaulttestosama01

Region * Malaysia West

Pricing tier * Standard

Recovery options

Soft delete protection will automatically be enabled on this key vault. This feature allows you to recover or permanently delete

Previous Next Review + create Give feedback

bsse2280151@szabist.pk DEFAULT DIRECTORY Sign out

Microsoft bsse2280151@szabist.pk My Microsoft account Switch directory ...

Sign in with a different account

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

All services > Key vaults > Create a key vault ...

Create a key vault ...

Basics Access configuration Networking Tags Review + create

Review + create

Basics

Subscription	Azure for Students
Resource group	Lab05-RG
Key vault name	keyvaulttestosama01
Region	Malaysia West
Pricing tier	Standard
Soft-delete	Enabled
Purge protection during retention period	Disabled
Days to retain deleted vaults	90 days

Previous Next Create Give feedback

bsse2280151@szabist.pk DEFAULT DIRECTORY Sign out

Microsoft bsse2280151@szabist.pk My Microsoft account Switch directory ...

Sign in with a different account

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

All services > keyvaulttestosama01 | Overview

Deployment

Search Delete Cancel Redeploy Download Refresh

Overview

Your deployment is complete

Deployment name : keyvaulttestosama01
Subscription : Azure for Students
Resource group : Lab05-RG
Start time : 10/30/2025, 2:46:40 PM
Correlation ID : c1fed649-e993-41bf-a9f7-a3ea9cf2f3fc

Deployment details Next steps Go to resource

Give feedback Tell us about your experience with deployment

Add or remove favorites by pressing Ctrl+Shift+F

Notifications More events in the activity log → Dismiss all Deployment succeeded Deployment 'keyvaulttestosama01' to resource group 'Lab05-RG' was successful. Go to reso... Pin to dashb... a few seconds ago

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

All services > keyvaulttestosama01 | Overview

Deployment

Search Delete Cancel Redeploy Download Refresh

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Deployment details Next steps Go to resource

Sign out Microsoft bsse2280151@szabist.pk DEFAULT DIRECTORY

bsse2280151@szabist... Sign in with a different account a few seconds ago

Task 2: Add a Secret to the Key Vault

The screenshot shows the 'Create a secret' dialog in the Microsoft Azure portal. The 'Name' field is set to 'OsamaVaultSecret'. The 'Secret value' field contains '*****'. The 'Enabled' switch is set to 'Yes'. At the bottom, there are 'Create' and 'Cancel' buttons.

The screenshot shows the 'keyvaulttestosama01 | Secrets' page in the Microsoft Azure portal. The 'Secrets' section is selected in the sidebar. A notification at the top states: 'The secret 'OsamaVaultSecret' has been successfully created.' A table below lists the secret details:

Name	Type	Status	Expiration date
OsamaVaultSecret		✓ Enabled	

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

Copilot

All services > keyvaulttestosama01 | Secrets >

OsamaVaultSecret

Versions

+ New Version Refresh Delete Download Backup

Version	Status	Activation date
CURRENT VERSION a3615ade38d6461aa7cd74fd87df851a	✓ Enabled	

Microsoft bsse2280151@szabist.pk DEFAULT DIRECTORY Sign out

bsse2280151@szabist...
bsse2280151@szabist.pk
My Microsoft account
Switch directory ...

Sign in with a different account

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

Copilot

All services > keyvaulttestosama01 | Secrets > OsamaVaultSecret >

a3615ade38d6461aa7cd74fd87df851a

Secret Version

Properties

Created: 10/30/2025, 3:07:03 PM

Updated: 10/30/2025, 3:07:03 PM

Secret Identifier: <https://keyvaulttestosama01.vault.azure.net/se...>

Settings

Set activation date

Set expiration date

Enabled: Yes

Tags: 0 tags

Secret:

Microsoft bsse2280151@szabist.pk DEFAULT DIRECTORY Sign out

bsse2280151@szabist...
bsse2280151@szabist.pk
My Microsoft account
Switch directory ...

Sign in with a different account

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

Copilot

All services > keyvaulttestosama01 | Secrets > OsamaVaultSecret >

a3615ade38d6461aa7cd74fd87df851a

Secret Version

Settings

Set activation date

Set expiration date

Enabled: Yes

Tags: 0 tags

Secret:

Content type (optional):

Hide Secret Value

Secret value: hVFkk96

Apply Discard changes Close Give feedback

Microsoft bsse2280151@szabist.pk DEFAULT DIRECTORY Sign out

bsse2280151@szabist...
bsse2280151@szabist.pk
My Microsoft account
Switch directory ...

Sign in with a different account