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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. At the top, there's a search bar and navigation icons. The main heading is 'Key vaults' under 'All services'. Below this, there are filters for 'Subscription equals all', 'Resource Group equals all', and 'Location equals all'. A message states 'No key vaults to display' with a 'Create' button. The user's profile is visible on the right, showing the email 'bsse2280151@szabist.pk' and a 'Sign out' option.

The screenshot shows the 'Create a key vault' wizard in the Microsoft Azure portal. The 'Basics' tab is selected, showing the 'Subscription' as 'Azure for Students' and the 'Resource group' as '(New) Lab05-RG'. The 'Review + create' button is highlighted. The user's profile is visible on the right, showing the email 'bsse2280151@szabist.pk' and a 'Sign out' option.

Microsoft Azure

Search resources, services, and docs (G+)

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DEFAULT DIRECTORY

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

Microsoft

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All services > Key vaults >

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

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All services >

keyvaulttestosama01 | Overview

Deployment

Search

Delete Cancel Redeploy Download Refresh

Overview

Inputs

Outputs

Template

✓ 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

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All services >

keyvaulttestosama01 | Overview

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> Deployment details

< Next steps

Go to resource

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a few seconds ago

Task 2: Add a Secret to the Key Vault

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All services > keyvaulttestosama01 | Secrets >

Create a secret

Upload options: Manual

Name * OsamaVaultSecret ✓

Secret value * ***** ✓

Content type (optional) ✓

Set activation date ☐

Set expiration date ☐

Enabled: Yes No

Tags: 0 tags

Create Cancel

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All services > keyvaulttestosama01

keyvaulttestosama01 | Secrets

Key vault

Search

+ Generate/Import Refresh Restore Backup Manage deleted secrets

The secret 'OsamaVaultSecret' has been successfully created.

Name	Type	Status	Expiration date
OsamaVaultSecret		✓ Enabled	

Notifications

More events in the activity log → Dismiss all

✓ Creating the secret 'OsamaVaultSecret'.
The secret 'OsamaVaultSecret' has been successfully created.
a few seconds ago

Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems
Access policies
Resource visualizer
Events
Objects
Keys
Secrets
Certificates

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DEFAULT DIRECTORY

All services > keyvaulttestosama01 | Secrets >

OsamaVaultSecret

Versions

+ New Version Refresh Delete Download Backup

Version	Status	Activation date
CURRENT VERSION		
a3615ade38d6461aa7cd74fd87df851a	✓ Enabled	

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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

No

Tags

0 tags

Secret

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All services > keyvaulttestosama01 | Secrets > OsamaVaultSecret >

a3615ade38d6461aa7cd74fd87df851a

Secret Version

Settings

Set activation date

☐

Set expiration date

☐

Enabled

Yes

No

Tags

0 tags

Secret

Content type (optional)

Hide Secret Value

Secret value

hVfKk96

Apply

Discard changes

Close

Give feedback

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