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Section – 7B

LAB:05

05 - Implement Azure Key Vault (5 min)

In this walkthrough, we will create an Azure Key vault and then create a password secret within that key vault, providing a securely stored, centrally managed password for use with applications.

Task 1: Create an Azure Key Vault

1. Sign in to the [Azure portal](#).
2. From the **All services** blade, search for and select **Key vaults**, then select ****+Add +New +Create ****.
3. Configure the key vault (replace **xxxx** in the name of the key vault with letters and digits such that the name is globally unique). Leave the defaults for everything else.

Setting	Value
Subscription	Use default supplied
Resource group	Create new resource group
Key vault name	keyvaulttestxxx
Location	East US
Pricing tier	Standard

4. **Note** replace **xxxx** to find a unique name.
5. Click **Review + create**, and then click **Create**.
6. Once the new key vault is provisioned, click **Go to resource**. Or you can locate your new key vault by searching for it.
7. Click on the key vault **Overview** tab and take note of the **Vault URI**. Applications that use your vault through the REST APIs will need this URI.
8. Take a moment to browse through some of the other key vault options. Under **Settings** review **Keys, Secrets, Certificates, Access Policies, Firewalls and virtual networks**.

Note: Your Azure account is the only one authorized to perform operations on this new vault. You can modify this if you wish in the **Settings** and then the **Access policies** section.

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Deployment

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Overview

Inputs

Outputs

Template

✓ Your deployment is complete

Deployment name : keyvaulttest3355
Subscription : Azure for Students
Resource group : CloudComputing

Start time : 11/7/2025, 4:57:21 AM
Correlation ID : 5fb084d0-532d-40f5-9451-038928b77...

> Deployment details

✓ Next steps

Go to resource

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Diagnose and solve problems

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How do I troubleshoot issues with this Key Vault?

Show me overall vault saturation percentage metrics of this Key Vault. +1

JSON View

Essentials

Resource group (move) : CloudComputing

Location : Central India

Subscription (move) : Azure for Students

Subscription ID : 0c3604bf-2eb1-415c-89b3-78cd3895bf4e

Vault URI : https://keyvaulttest3355.vault.azure.net/

Sku (Pricing tier) : Standard

Directory ID : d32b1616-aa00-42f5-8a07-7e136afb564c

Directory Name : Default Directory

Soft-delete : Enabled

Purge protection : Disabled

Tags (edit) : Add tags

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Manage keys and secrets used by apps and services

Our recommendation is to use a vault per application per environment (Development, Pre-Production and Production). This helps you to not share secrets across environments and also reduces the threat in case of a breach.

Task 2: Add a secret to the Key Vault

In this task, we will add a password to the key vault.

1. Under **Settings** click **Secrets**, then click **+ Generate/Import**.
2. Configure the secret. Leave the other values at their defaults. Notice you can set an activation and expiration date. Notice you can also disable the secret.

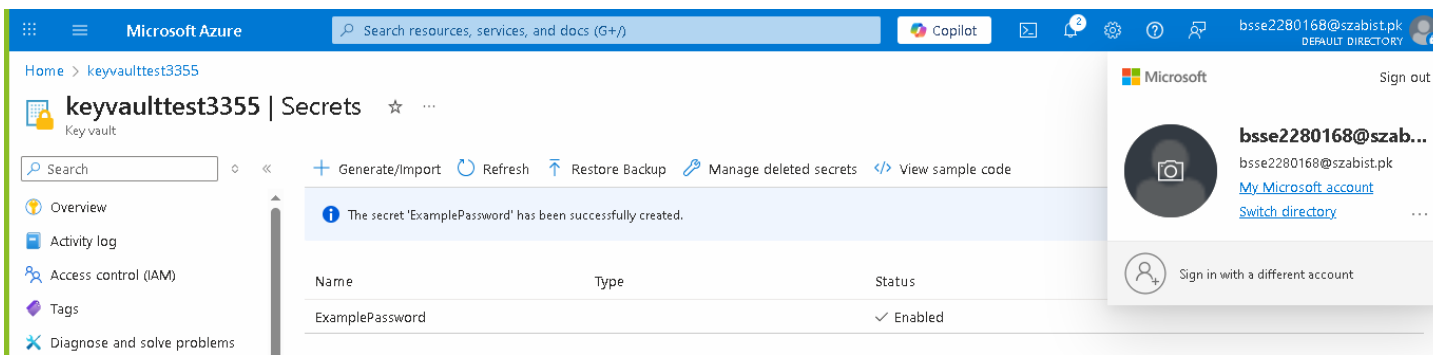
Setting	Value
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Upload options **Manual**

Name **ExamplePassword** Value **hVFkk96**

3. Click **Create**.
4. Once the secret has been successfully created, click on the **ExamplePassword**, and note it has a status of **Enabled**
5. Select the secret you just created, note the **Secret Identifier**. This is the url value that you can now use with applications. It provides a centrally managed and securely stored password.
6. Click the button **Show Secret Value**, to display the password you specified earlier.

7.



Name	Type	Status
ExamplePassword		✓ Enabled

Congratulations! You have created an Azure Key vault and then created a password secret in that key vault, providing a securely stored, centrally managed password for use with applications.

Note: To avoid additional costs, you can optionally remove this resource group. Search for resource groups, click your resource group, and then click **Delete resource group**. Verify the name of the resource group and then click **Delete**. Monitor the **Notifications** to see how the delete is proceeding.

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Home > keyvaulttest3355 | Secrets >

ExamplePassword

Versions

Search

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Overview

Access control (IAM)

+ New Version

Refresh

Delete

Download Backup

Version	Status	Activation date	Expiration date
CURRENT VERSION			
93d555c9ab0f4fa99fd97991982eca14	✓ Enabled		

