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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.

The screenshot shows the Microsoft Azure Key Vault Overview page for a deployment named "keyvaulttest3355". The deployment status is "Your deployment is complete". Deployment details include a start time of 11/7/2025, 4:57:21 AM, and a correlation ID of 5fb084d0-532d-4f05-9451-038928b77... The page also features a "Deployment details" section and a "Next steps" section with a "Go to resource" button. On the right side, there's a sidebar with Microsoft Defender for Cloud information, free Microsoft tutorials, and a "Work with an expert" link.

The screenshot shows the Microsoft Azure Key Vault Overview page for "keyvaulttest3355". The page displays essential information such as Resource group (CloudComputing), Location (Central India), Subscription (Azure for Students), and Vault URI (https://keyvaulttest3355.vault.azure.net/). It also shows tags (None), soft-delete (Enabled), and purge protection (Disabled). The page includes sections for "Get started", "Properties", "Monitoring", "Tools + SDKs", and "Tutorials". A "Manage keys and secrets used by apps and services" section provides recommendations for vault usage.

Task 2: Add a secret to the Key Vault

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

- Under **Settings** click **Secrets**, then click **+ Generate/Import**.
- 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.

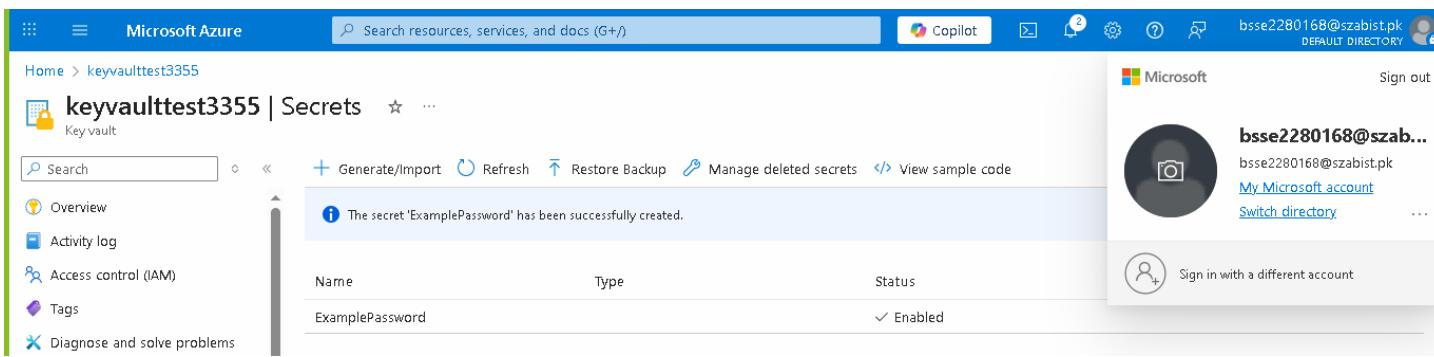
Setting	Value
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Upload options **Manual**

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.



The screenshot shows the Microsoft Azure portal interface. The top navigation bar includes 'Microsoft Azure', a search bar, and various icons. On the right, a user profile is shown with the email 'bsse2280168@szabist.pk' and 'DEFAULT DIRECTORY'. The main content area is titled 'keyvaulttest3355 | Secrets' under 'Key vault'. A sidebar on the left lists 'Overview', 'Activity log', 'Access control (IAM)', 'Tags', and 'Diagnose and solve problems'. The main pane displays a table with one row:

Name	Type	Status
ExamplePassword		✓ Enabled

A success message at the top of the table says, 'The secret 'ExamplePassword' has been successfully created.' On the right side of the table, there's a 'Sign in with a different account' link.

7. 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.

Microsoft Azure Search resources, services, and docs (G+) Copilot bsse2280168@szabst.pk DEFAULT DIRECTORY

Home > keyvaulttest3355 | Secrets >

ExamplePassword

Versions

Search X «

+ New Version Refresh Delete Download Backup

Overview Access control (IAM)

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