

INTRODUCTION TO CLOUD COMPUTING

Lab Task 05 (Implement Azure Key Vault)

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Task 1: Create an Azure Key Vault

The screenshot shows the 'Create a key vault' wizard in the Microsoft Azure portal. The current step is 'Review + create'. The 'Basics' section displays the following configuration:

| Setting | Value |
|--|--------------------|
| Subscription | Azure for Students |
| Resource group | RG_Lab5 |
| Key vault name | keyvaulttestaz0 |
| Region | East Asia |
| Pricing tier | Standard |
| Soft-delete | Enabled |
| Purge protection during retention period | Disabled |
| Days to retain deleted vaults | 90 days |

Below the basics, there is an 'Access configuration' section which is currently collapsed. At the bottom of the screen, there are 'Previous', 'Next', and 'Create' buttons, along with a 'Give feedback' link.

The screenshot shows the 'keyvaulttestaz0' Key Vault overview page in the Microsoft Azure portal. The left sidebar contains navigation links: Overview, Activity log, Access control (IAM), Tags, Diagnose and solve problems, Access policies, Resource visualizer, Events, Objects, Settings, and Monitoring. The main content area displays the 'Essentials' section with the following details:

| Setting | Value |
|-----------------------|---|
| Resource group (move) | RG_Lab5 |
| Location | East Asia |
| Subscription (move) | Azure for Students |
| Subscription ID | 57a8b5a5-89cd-44d7-aaaf-c65ebdf15a43 |
| Vault URI | https://keyvaulttestaz0.vault.azure.net/ |
| Sku (Pricing tier) | Standard |
| Directory ID | 329e04f2-997f-4058-b540-f8d01de78066 |
| Directory Name | Default Directory |
| Soft-delete | Enabled |
| Purge protection | Disabled |

At the bottom of the page, there are 'Tags (edit)' and 'Add tags' buttons. A note at the bottom left says 'Add or remove favorites by pressing Ctrl+Shift+F'.

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Task 2: Add a secret to the Key Vault

Microsoft Azure

Home > keyvaulttestaz0 | Secrets >

Create a secret

Upload options: Manual

Name * ExamplePassword

Secret value * *****

Content type (optional):

Set activation date:

Set expiration date:

Enabled: Yes

Tags: 0 tags

Create Cancel

Microsoft Azure

Home > keyvaulttestaz0

keyvaulttestaz0 | Secrets

Creating the secret 'ExamplePassword'. The secret 'ExamplePassword' has been successfully created.

| Name | Type | Status | Expiration date |
|-----------------|------|-----------|-----------------|
| ExamplePassword | | ✓ Enabled | |

Give feedback

Microsoft Azure

Home > keyvaulttestaz0 | Secrets > ExamplePassword > 8b4541c60f194f9c9ab527d2a9598449 Secret Version

Properties

Created: 12/3/2025, 8:26:34 PM

Updated: 12/3/2025, 8:26:34 PM

Secret Identifier: https://keyvaulttestaz0.vault.azure.net/secrets/ExamplePassword/8b4541c...

Settings

Set activation date:

Set expiration date:

Enabled: Yes

Tags: 0 tags

Secret

Content type (optional):

Hide Secret Value

Secret value: hVfk96