

AZURE Assignment 5 – Introduction to DevOps

Key Vault

Saeedulkhair – 2212302

Luvai Yahya – 2212290

Task 1: Create an Azure Key Vault

Microsoft Azure

Home > Key vaults >

Create a key vault

Azure Key Vault is a cloud service used to manage keys, secrets, and certificates. Key Vault eliminates the need for developers to store security information in their code. It allows you to centralize the storage of your application secrets which greatly reduces the chances that secrets may be leaked. Key Vault also allows you to securely store secrets and keys backed by Hardware Security Modules or HSMs. The HSMs used are Federal Information Processing Standards (FIPS) 140-2 Level 2 validated. In addition, key vault provides logs of all access and usage attempts of your secrets so you have a complete audit trail for compliance.

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

Subscription *

Resource group * [Create new](#)

Instance details

Key vault name *

Region *

Pricing tier *

Recovery options
Soft delete protection will automatically be enabled on this key vault. This feature allows you to recover or permanently delete a key vault and controls for the duration of the retention period. This retention period is the same as the same control.

[Previous](#) [Next](#) [Review + create](#) [Give feedback](#)

Microsoft Azure

Home > Key vaults >

Create a key vault

Basics Access configuration Networking Tags **Review + create**

Review + create

Basics

Subscription Azure for Students

Resource group NewMachine_group

Key vault name keyvaulttest2212290

Region East US

Pricing tier Standard

Soft-delete Enabled

Purge protection during retention period Disabled

Days to retain deleted vaults 90 days

Access configuration

Azure Virtual Machines for deployment Disabled

Azure Resource Manager for template deployment Disabled

Azure Disk Encryption for volume encryption Disabled

Permission model Azure role-based access control

[Previous](#) [Next](#) [Create](#) [Give feedback](#)

Microsoft Azure

Home >

keyvaulttest2212290 | Overview

Deployment

[Search](#) [Delete](#) [Cancel](#) [Redeploy](#) [Download](#) [Refresh](#)

Overview

[Inputs](#) [Outputs](#) [Template](#)

Your deployment is complete

Deployment name : keyvaulttest2212290

Subscription : Azure for Students

Resource group : NewMachine_group

Start time : 4/12/2025, 12:50:05 PM

Correlation ID : 2b06575c-a288-4f62-bf64-f0939b196c72

Microsoft Azure

Home >

Key vaults

Default Directory

[+ Create](#) [Manage deleted vaults](#) [Manage view](#) [Refresh](#) [Export to CSV](#) [Open query](#) [...](#)

Filter for any field... [Subscription equals all](#) [Add filter](#) [More \(2\)](#)

Showing 1 to 1 of 1 records. [No grouping](#) [List view](#)


<input type="checkbox"/> Name ↑↓	Type ↑↓	Resource group ↑↓	Location ↑↓	Subscription ↑↓
<input type="checkbox"/> keyvaulttest2212290	Key vault	NewMachine_group	East US	Azure for Student

Task 2: Add a secret to the Key Vault

Microsoft Azure

Search resources, services, and docs (G+)

[Home](#) > [Key vaults](#) > [keyvaulttest2212290](#) | [Secrets](#) >

 Create a secret

...

Upload options

Manual

Name *

2212290password

Secret value *

Content type (optional)

Set activation date

☐

Set expiration date

☐

Enabled

Yes

No

Tags

0 tags