



Intro to Devops

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Lab-5-Module-WorkLoad(Key Vault)

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Task 1: Create an Azure Key Vault

Microsoft Azure

Upgrade

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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 *

Azure subscription 1

Resource group *

(New) lab5-rg

Create new

Instance details

Key vault name * ⓘ

keyvaulttest12173

Region *

East US

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 a key vault and secrets for the duration of the retention period. This protection applies to the key vault and the secrets stored within the key vault.

Home >

keyvaulttest12173

Key vault

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Delete → Move ↻ Refresh 📱 Open in mobile

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Essentials

Resource group (move) : lab5-rg

Location : East US

Subscription (move) : Azure subscription 1

Subscription ID : 3ada6c5a-382c-44a7-9d9d-5775bdda4908

Tags (edit) : Add tags

Get started Properties Monitoring Tools + SDKs Tutorials

Vault URI : https://keyvaulttest12173.vault.azure.net/

SKU (Pricing tier) : Standard

Directory ID : 47a5946f-e598-4943-b044-4e61d037c26b

Directory Name : Default Directory

Soft-delete : Enabled

Purge protection : Disabled

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.

Control access to key vault

Assign access policy and determine whether a given service

Enable logging and set up alerts

Enable logging to monitor how,

Turn on recovery options

For protection against accidental or malicious deletion, soft delete

Task 2: Add a secret to the Key Vault

Microsoft Azure

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Copilot

Home > keyvaulttest12173 | Secrets >

Create a secret

Upload options

Manual

Name * ⓘ

ExamplePassword12173

Secret value * ⓘ

Content type (optional)

Set activation date ⓘ

☐

Set expiration date ⓘ

☐

Enabled

Yes No

Tags

0 tags

Home > keyvaulttest12173

keyvaulttest12173 | Secrets ☆ ...

Key vault

Search

Generate/Import Refresh Restore Backup Manage deleted secrets View sample code

The secret 'ExamplePassword12173' has been successfully created.

Name	Type	Status	Expiration date
ExamplePassword12173		✓ Enabled	

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Home > keyvaulttest12173 | Secrets > ExamplePassword12173 >

d3f87e4caca341eea74ed534fb1832ab

Secret Version

Properties

Created

4/8/2025, 11:46:51 PM

Updated

4/8/2025, 11:46:51 PM

Secret Identifier

https://keyvaulttest12173.vault.azure.net/secrets/ExamplePassword12173/d3f87e4ca...

Settings

Set activation date ⓘ

☐

Set expiration date ⓘ

☐

Enabled

Yes

No

Tags

0 tags

Secret

Content type (optional)

Hide Secret Value

Secret value

hVFkk96

