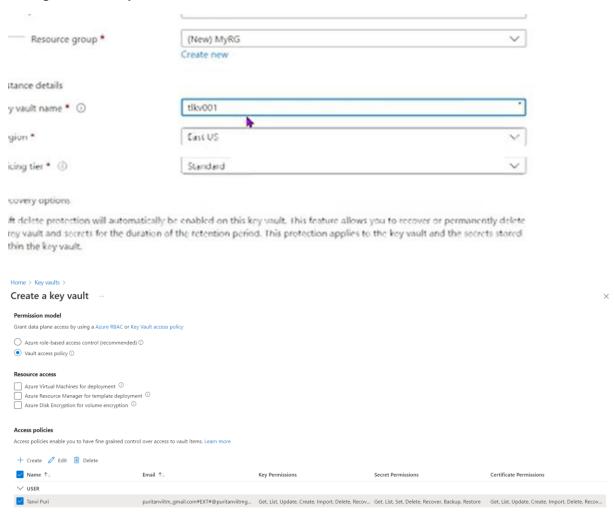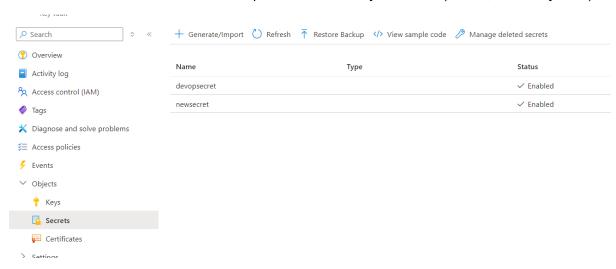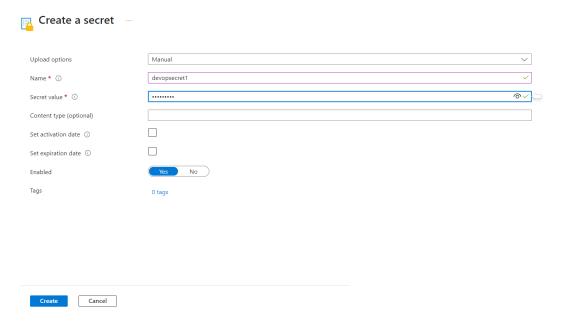# Azure Key Vault Integration with DevOps Pipeline

Configure Azure Key Vault on Azure Portal.

Generate a new secret with name devopsecret and set any Password (azure@123 in my case).

🔐 Create a secret ...

Upload options	Manual	⌄
Name * ⓘ	devopsecret1	✓
Secret value * ⓘ	••••••••	👁 ✓
Content type (optional)		
Set activation date ⓘ	☐	
Set expiration date ⓘ	☐	
Enabled	[Yes] [No]	
Tags	0 tags	

[Create]   [Cancel]

Create Project in AzureDevOps and in Repos section create a new repository.

Click on Setup Build and take Starter Pipeline.

YAML Pipeline Code

Starter pipeline

Start with a minimal pipeline that you can customize to build and deploy your code.

Add steps that build, run tests, deploy, and more:

https://aka.ms/yaml

trigger:

- main

pool:

  vmImage: ubuntu-latest

steps:

- script: echo Hello, world!

  displayName: 'Run a one-line script'

- task: AzureKeyVault@2

```
  inputs:

    azureSubscription: 'MSDN Platforms Subscription(c5f6b777-a115-4e13-86f4-e1af2e819314)'

    KeyVaultName: 'demokeyvault657'

    SecretsFilter: '*'

    RunAsPreJob: false


- script: |

    echo $(devopsecret) > Password.txt


- task: PublishPipelineArtifact@1

  inputs:

    targetPath: '$(Pipeline.Workspace)'

    publishLocation: 'pipeline'
```


Add Task Azure Key Vault and add code after default script

Redirect your devopsecret to new file Password.txt and Publish it as an artifact.

Now click on Publish Pipeline Artifacts and go with Default Settings.

Validate and Run the Pipeline. Provide the permissions.

Service Connection will be created in the backend. Navigate to Azure Portal and provide the Get,List secret permissions to the newly created service principal.

Go to Project settings and click on Manage Service Principal or verify from Microsoft Entra ID App Registration as well.

Home > Default Directory | App registrations >

demoretail098-demokeyvault-c5f6b777-a115-4e13-86f4-e1af2e819314

🔍 Search «   🗑 Delete   🌐 Endpoints   🖼 Preview features

Overview

🚀 Quickstart

🧭 Integration assistant

🩺 Diagnose and solve problems

> Manage

> Support + Troubleshooting

ℹ️ Got a second? We would love your feedback on Microsoft identity platform (previously Azure AD for developer). →

∧ Essentials

Display name	: demoretail098-demokeyvault-c5f6b777-a115-4e13-86f4-e1af2...	Client credentials	: 0 certificate, 1 secret
Application (client) ID	: a372492b-51bf-47ff-9f86-cf90d0171e3a	Redirect URIs	: Add a Redirect URI
Object ID	: 8cbd56c6-6cf6-468c-8e1d-6b8ee6c43145	Application ID URI	: Add an Application ID URI

Home > Key vaults > demokeyvault657

demokeyvault657 | Access policies ☆ …
Key vault

🔍 Search «   + Create   ↻ Refresh   🗑 Delete   ✏ Edit

⊙ Overview

📋 Activity log

👥 Access control (IAM)

🏷 Tags

🩺 Diagnose and solve problems

Access policies

⚡ Events

∨ Objects

🔑 Keys

🗝 Secrets

📜 Certificates

> Settings

> Monitoring

> Automation

> Help

Access policies enable you to have fine grained control over access to vault items. Learn more
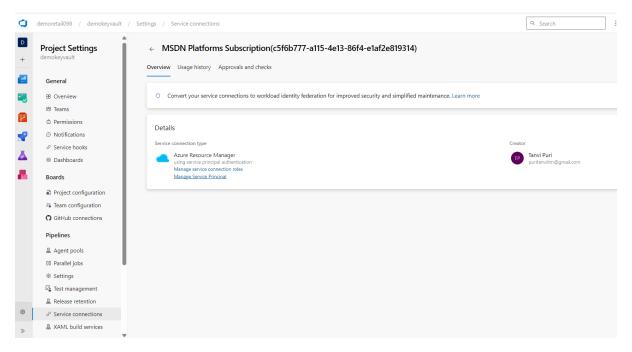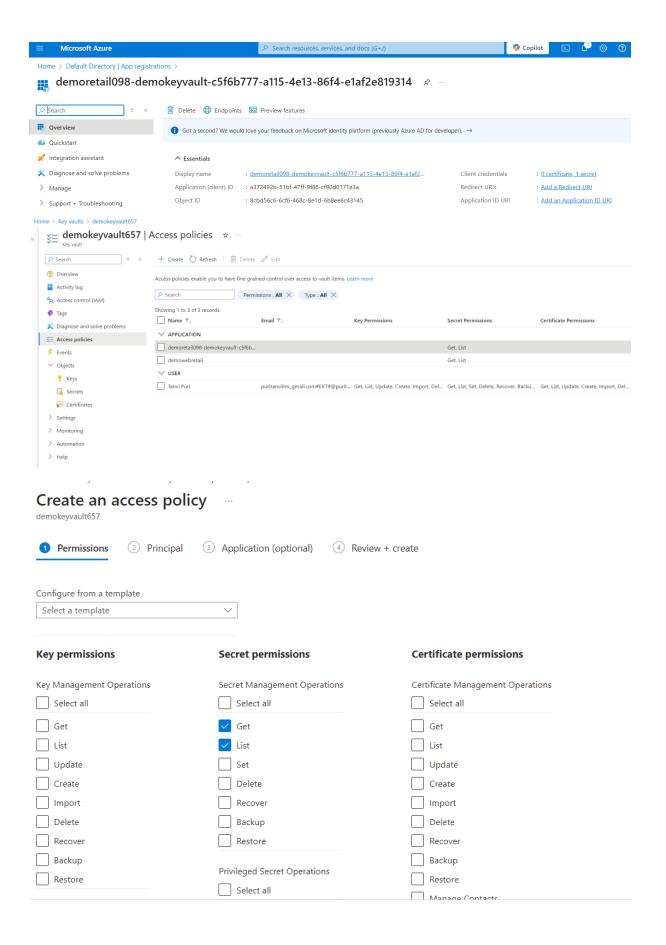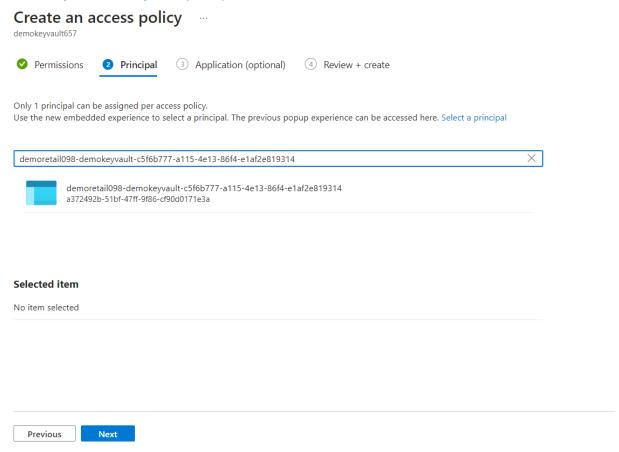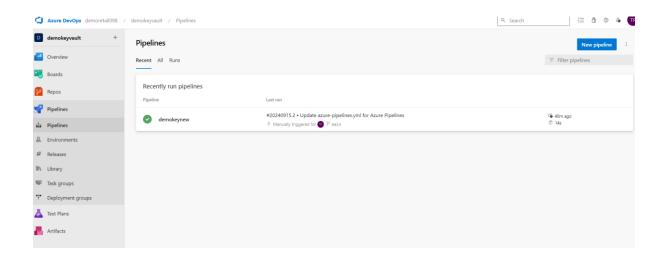
🔍 Search   Permissions : All ✕   Type : All ✕

Showing 1 to 3 of 3 records.

☐ Name ↑↓	Email ↑↓	Key Permissions	Secret Permissions	Certificate Permissions
∨ **APPLICATION**				
☐ demoretail098-demokeyvault-c5f6b...			Get, List	
☐ demowebretail			Get, List	
∨ **USER**				
☐ Tanvi Puri	puritanviitm_gmail.com#EXT#@purit...	Get, List, Update, Create, Import, Del...	Get, List, Set, Delete, Recover, Backu...	Get, List, Update, Create, Import, Del...

Create an access policy …
demokeyvault657

① **Permissions**   **②** Principal   **③** Application (optional)   **④** Review + create

Configure from a template

[Select a template   ∨]

Key permissions	**Secret permissions**	**Certificate permissions**
Key Management Operations	Secret Management Operations	Certificate Management Operations
☐ Select all	☐ Select all	☐ Select all
☐ Get	☑ Get	☐ Get
☐ List	☑ List	☐ List
☐ Update	☐ Set	☐ Update
☐ Create	☐ Delete	☐ Create
☐ Import	☐ Recover	☐ Import
☐ Delete	☐ Backup	☐ Delete
☐ Recover	☐ Restore	☐ Recover
☐ Backup		☐ Backup
☐ Restore	Privileged Secret Operations	☐ Restore
	☐ Select all	Manage Contacts

Create an access policy ...

demokeyvault657

| ✅ Permissions | ② Principal | ③ Application (optional) | ④ Review + create |

Only 1 principal can be assigned per access policy.
Use the new embedded experience to select a principal. The previous popup experience can be accessed here. Select a principal

demoretail098-demokeyvault-c5f6b777-a115-4e13-86f4-e1af2e819314   ✕

> **demoretail098-demokeyvault-c5f6b777-a115-4e13-86f4-e1af2e819314**
> a372492b-51bf-47ff-9f86-cf90d0171e3a

Selected item

No item selected

[Previous] [**Next**]
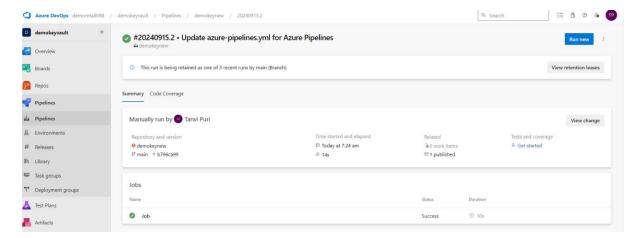
Select Service Principal and click on Review and create.

Click on Publish Artifacts and download Password.txt text file.