Setup Key Vault in Modymix subscription:

- 1) MS online reference: <u>https://learn.microsoft.com/en-us/azure/key-vault/general/quick-create-portal</u>
- 2) Key Vault Info in Azure portal

mm-blolb-storage-l	key ☆ ☆ …			
♀ Search	📋 Delete $ ightarrow$ Move \lor 🖒 Refresh 🔋 Open in mobile			
Overview	∧ Essentials			
Activity log	Resource group (move) : ModymixWeb_group	Vault URI : https://mm-blolb-storage-key.vault.azure.net/		
Access control (IAM)	Location : East US	Sku (Pricing tier) : Standard		
👂 Tags	Subscription (move) : modymix subscription	Directory ID : 4821e563-e48c-4c0e-8cdc-7fae55956d6d		
K Diagnose and solve problems	Subscription ID : fa20c3fb-039d-446a-ae78-4db01ef34bae	Directory Name : Default Directory		
Diagnose and solve problems		Soft-delete : <u>Enabled</u>		
⊟ Access policies		Purge protection : Disabled		
🗲 Events	Tags (<u>edit</u>) : <u>Add tags</u>			
✓ Objects				
📍 Keys	Get started Properties Monitoring Tools + SDKs Tutorials			
🔁 Secrets		1		
🔁 Certificates	Access configuration Devision model Access control	Networking Dublic network access Enabled		
✓ Settings	Permission model Azure role-based access control	Fublic network access Enabled		
	Resource access INO access enabled	networks		
Access configuration <1> Networking		Private endpoint Not configured connections		

Figure 1

3) Add Azure Blob Storage connection string as secrete to the Key Vault (Figure 2)

mm-blolb-storage-key Secrets ☆ … _{Key vault}							
✓ Search	+ Generate/Import	🕐 Refresh 🕴 Restore Backup	🤌 Manage deleted secrets	> View sample code			
🕐 Overview							
Activity log	Name	Туре		Status			
∞ Access control (IAM)	mm-blob-connection	-string		✓ Enabled			
🗳 Tags							
🗙 Diagnose and solve problems							
ੱ Access policies							
🗲 Events							
∨ Objects							
🔶 Keys							
Secrets							
Figure 2							

4) Assign the RBAC permission to access key vault (Figure 3)

Rey vault	e-key Access control (IA	M) ☆ …			
	🗧 🕂 Add 🗸 🞍 Download role assi	gnments ≣≣ Edit colum	ns Č Refresh 🛛 🛅 Delete 🛛 🛜 Feed	back	
 Overview Activity log 	Check access Role assignments	Roles Deny assign	ments Classic administrators		
Access control (IAM)	Number of role assignments for this	subscription 🕕			
🗳 Tags	5	4000			
 Diagnose and solve problems Access policies Events 	Search by name or email All (5) Job function roles (2)	Privileged administrator	Type : All Role : All Scope : roles (3)	All scopes Group by : Role	
∨ Objects	□ Name ↑↓	Type ↑↓	Role ↑↓	Scope ↑↓	Condition $\uparrow\downarrow$
📍 Keys	V Owner (2)				
Gecrets	Tianyuan He 9fc1cbb6-84c7-49da-b6d5	User	Owner	📍 Subscription (Inherited)	None
 Settings 	yyang yyang@modymix.com	User	Owner	📍 Subscription (Inherited)	View
ੱ≡ Access configuration	✓ Contributor (1)				
<i>> Networking</i>	yyang yyang@modymix.com	User	Contributor	Subscription (Inherited)	None
 Microsoft Defender for Cloud 	\checkmark Key Vault Administrator (1)				
Properties	yyang yyang@modymix.com	User	Key Vault Administrator	🕐 This resource	None
Locks	✓ Key Vault Secrets Officer (1)				
 Monitoring Alerts 	yyang yyang@modymix.com	User	Key Vault Secrets Officer	This resource	None
Metrics	Showing 1 - 5 of 5 results.				

5) I am working on the ASP.NET core web app on local machine. The Microsoft logon account is <u>yyanghm@hotmail.com</u>. When executing following test code, I assume that the "DefaultAzureCredential" will be linked to "yyanghm@hotmail" account. This account already have assigned permission to access key value. I could not figure out why the error 403 (permission denied) occurred.

string secretName = "mm-blob-connection-string";

var kvUri = \$"https://mm-blob-storage-key.vault.azure.net/";

var client = new SecretClient(new Uri(kvUri), new DefaultAzureCredential());

var secret = client.GetSecret(secretName);