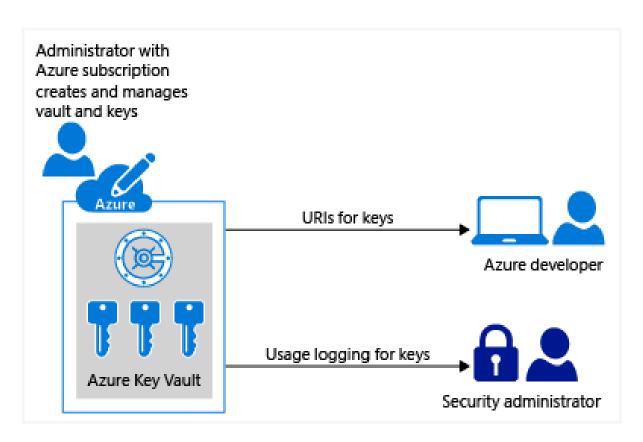


# Stories : Azure Key Vault Service

**Azure Key Vault** is a cloud service for securely storing and accessing secrets. A secret is anything that you want to tightly control access to, such as API keys, passwords, certificates, or cryptographic keys.



#### 1. Secrets Management:

 Azure Key Vault enables you to store and retrieve sensitive information such as API keys, connection strings, and passwords securely.

Stories: Azure Key Vault Service

 You can manage these secrets centrally, and they can be versioned, so you can keep track of changes over time.

#### 2. Key Management:

- It provides a secure and scalable way to create, import, and control access to cryptographic keys used by cloud applications and services.
- Supports operations like key generation, encryption, decryption, signing, and verification.

#### 3. Certificate Management:

- You can securely store and manage X.509 certificates and their associated private keys.
- Azure Key Vault can automate the renewal of certificates, reducing the manual effort required to maintain certificates.

#### 4. Access Control:

- Azure Key Vault integrates with Azure Active Directory (Azure AD) for authentication and authorization.
- Role-Based Access Control (RBAC) is used to control who can perform operations on the key vault and its contents.

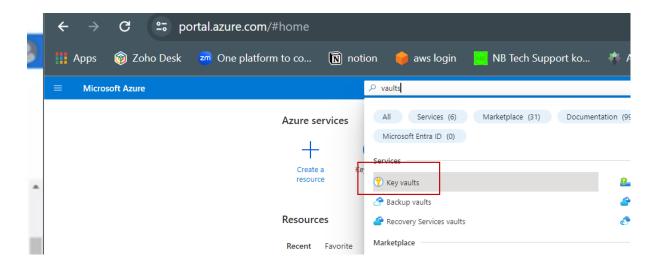
#### 5. Audit Logging:

 Azure Key Vault provides detailed audit logs, allowing you to monitor access and actions performed on the stored secrets, keys, and certificates.

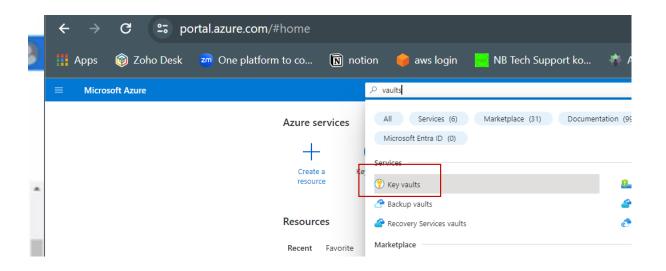
Object of Key Vaults

keys Certificates Secrets

Lab : Create a Key vault service and assign role to it

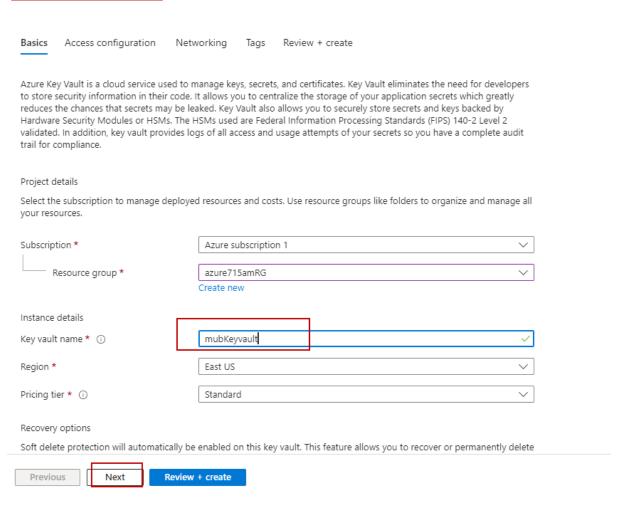


#### Create a key vault

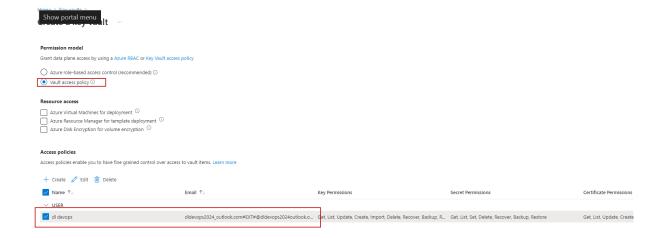


#### Create a vault input a unique name

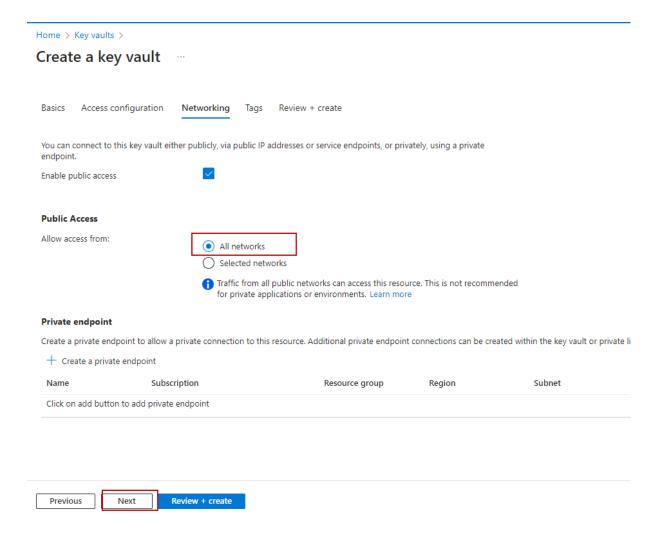
### Create a key vault



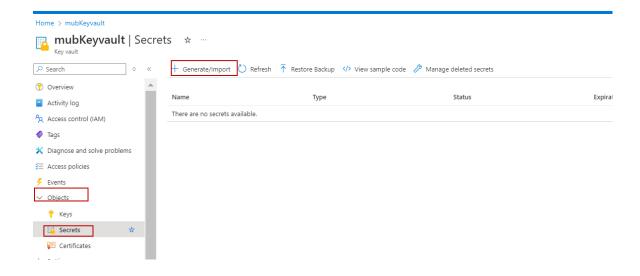
#### Assign policy to access current user



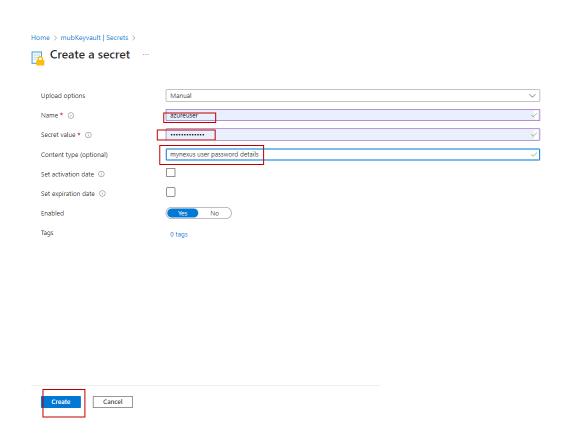
## Provide the level of access to network ALL or Particular Network as per requirement

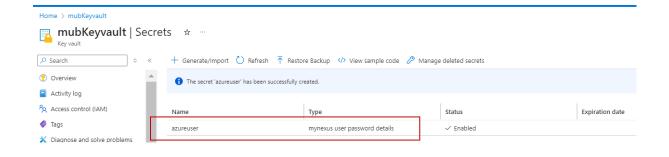


now add object to key vault from objects Section

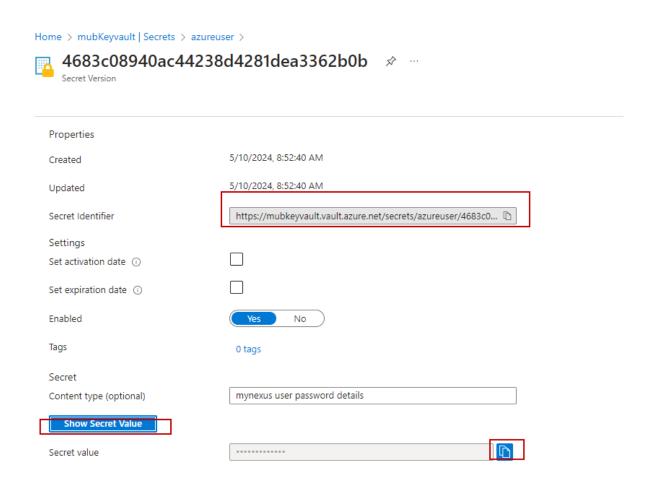


#### adding a username and password to vault





#### Click on the credentials which has been created and access it



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