Azure Front Door

Custom Domain

Bring your own Certificate

Steps for Certificate Handling and Domain Setup

Private Key and PEM Certificate Creation

- Generate/Buy a private key during CSR and create a PEM certificate to establish server-client trust securely.

PEM to PFX Conversion

- Use OpenSSL to convert PEM and private key files into a secure PFX format for platform compatibility. (When prompt for password, enter your password)

Upload to Cloud Key Vault

- Upload the PFX file to a secure cloud key vault for centralized certificate management and access control.

Configure Custom Domain with Certificate

- Add the certificate to the Front Door secret and configure the custom domain for secure communication.

PEM to PFX Conversion

 # private key file (create during the generation of CSR file)

dev.sandpitlabs.com.key

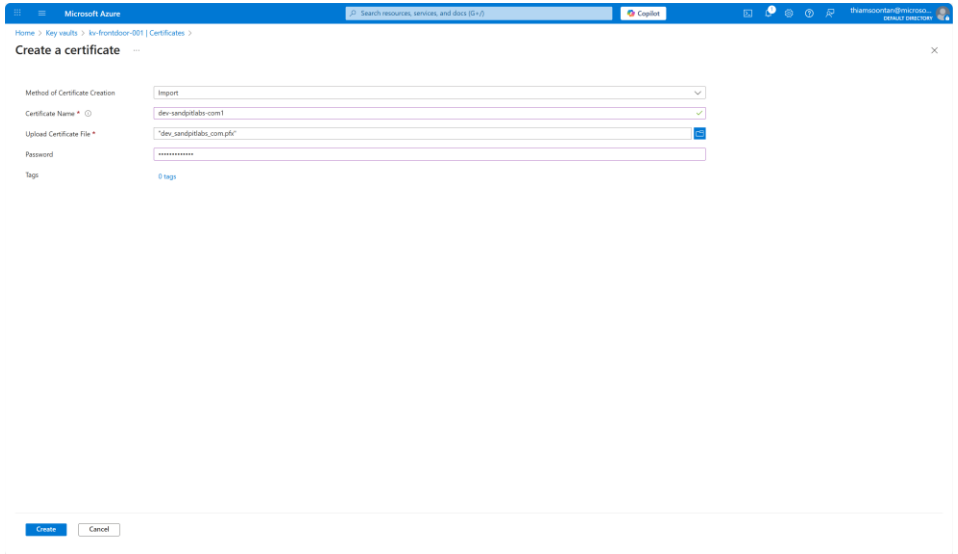
 # pem cert file

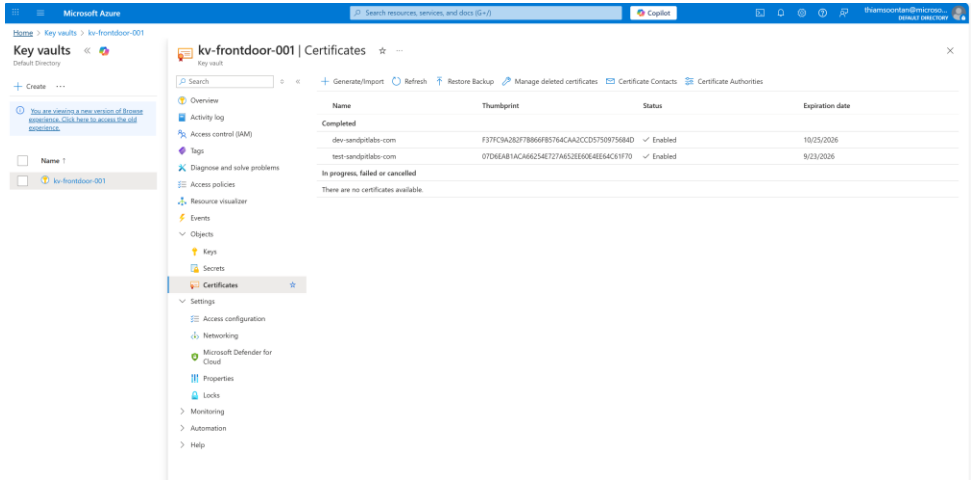
dev_sandpitlabs_com.pem

 # convert to pfx with privage key

openssl pkcs12 -export -out dev_sandpitlabs_com.pfx -inkey dev.sandpitlabs.com.key -in dev_sandpitlabs_com.pem

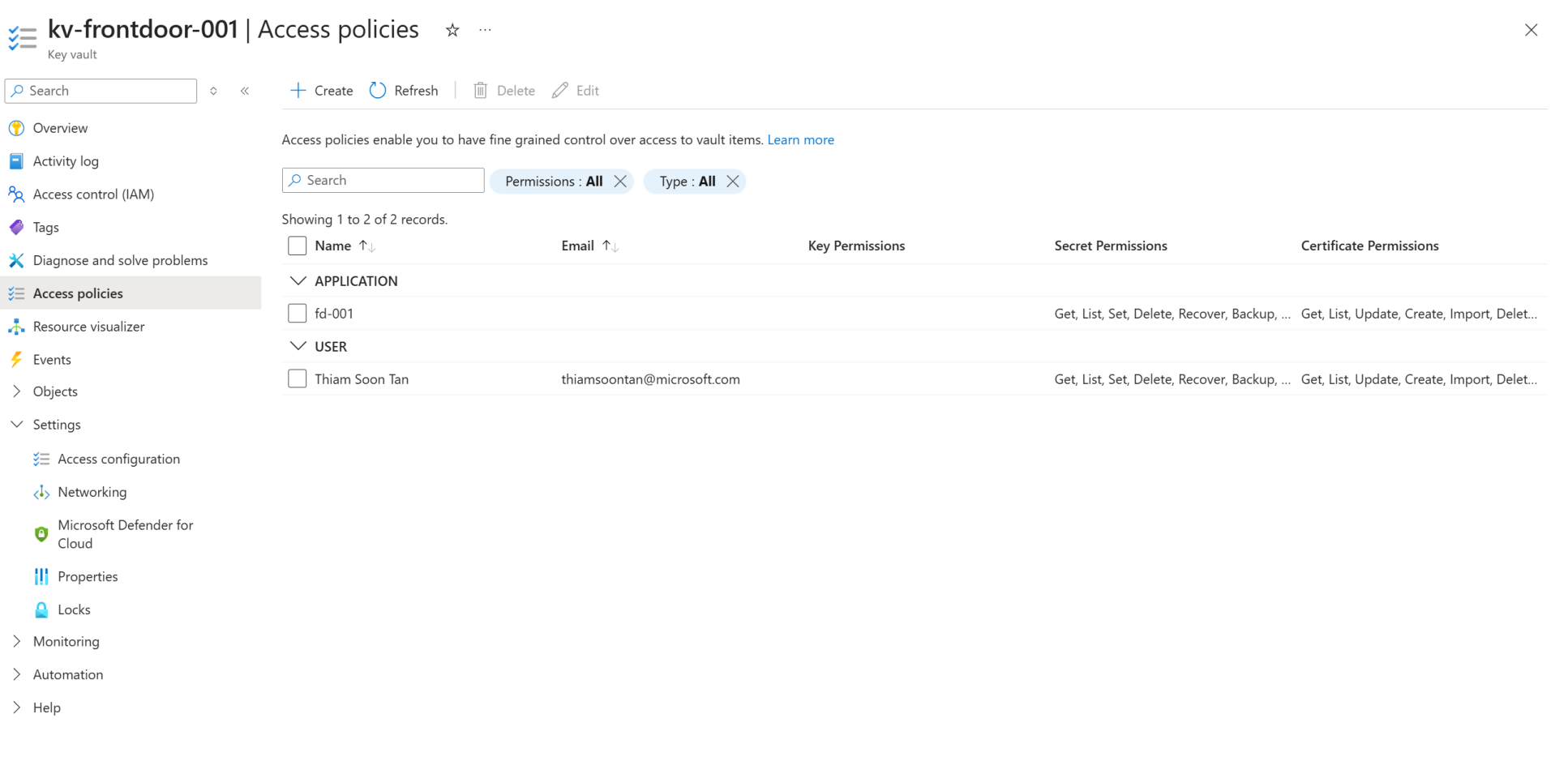
Import to Azure Key Vault





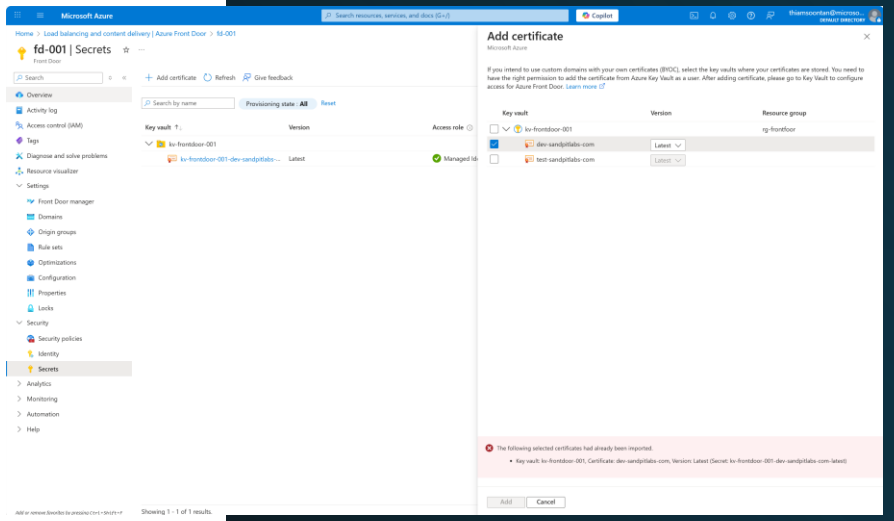
- Ensure you have keyvault user access

Access Policy for Keyvault

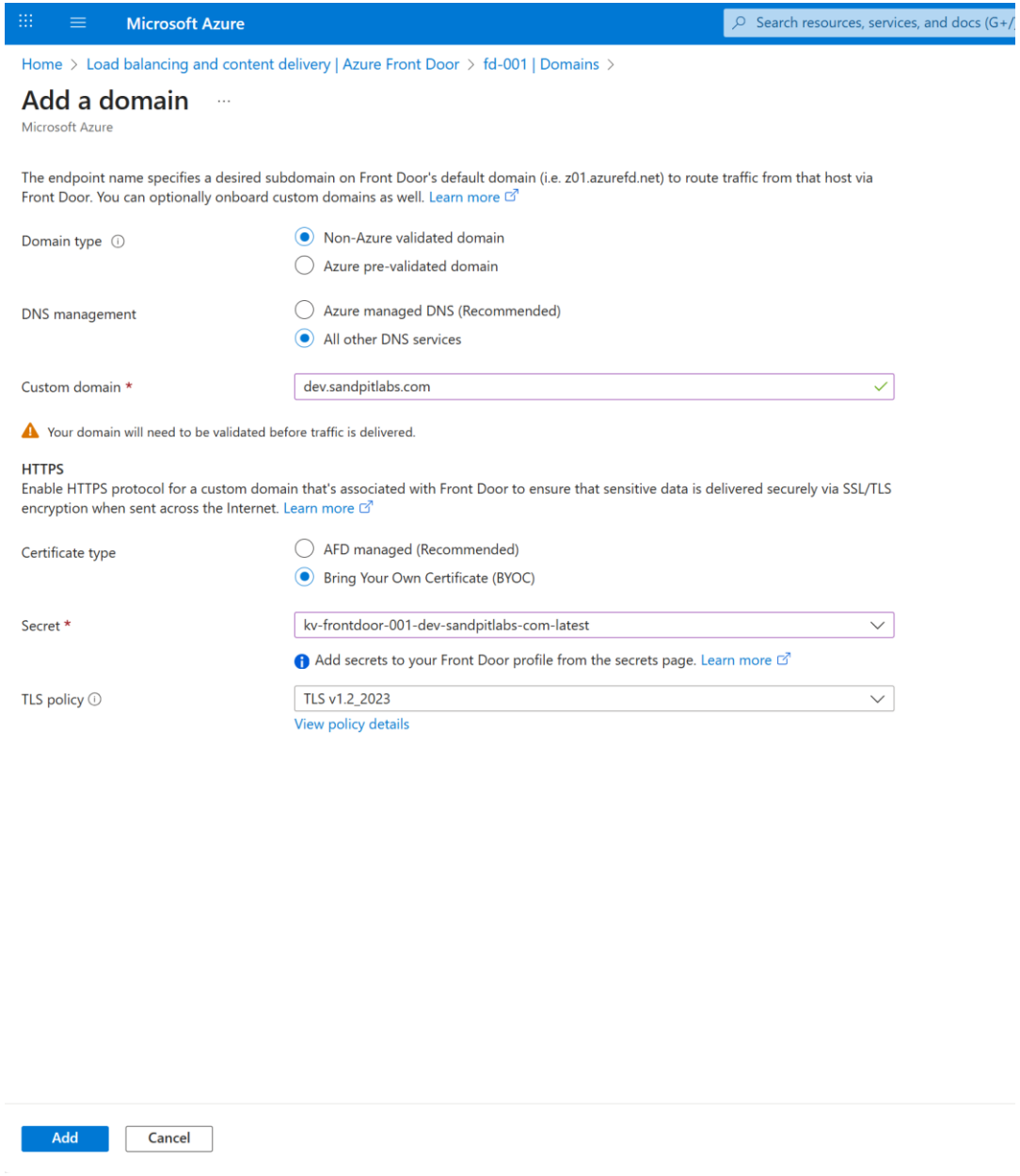


Configure Custom Domain with Certificate

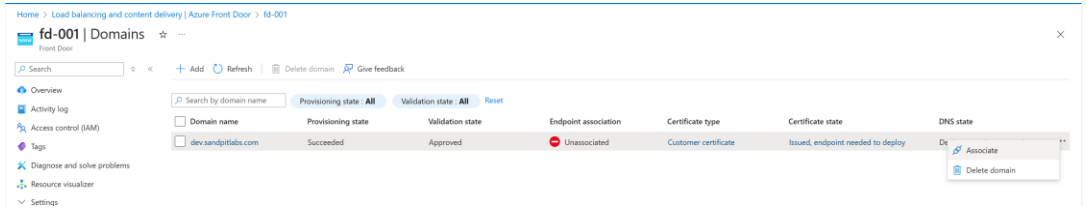
- Ensure FD managed identity has access to the Keyvault
- Upload Certificate to Front door > Security > Secrets
- Select the certificates from Keyvault you upload in the previous steps

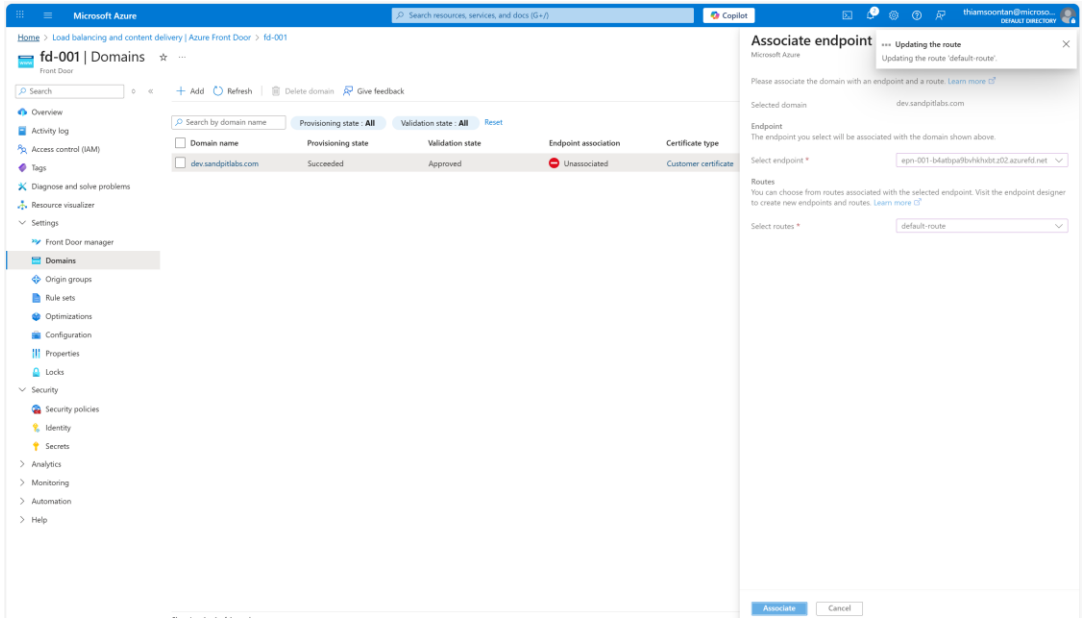


Configure Custom Domain with Certificate



Associate the Domain





Note:

Your domain will need to be validated before traffic is delivered

Testing

Add your domain to the Host file to test locally

Path of Host file:
C:\Windows\System32\drivers\etc