

Troubleshoot key vault access issues

 kb.databricks.com/en_US/security/troubleshoot-key-vault-access

Troubleshoot Azure key vault access issues. Verify firewall. Enable secrets.

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You are trying to access secrets, when you get an error message.

```
com.databricks.common.client.DatabricksServiceException: INVALID_STATE: Databricks
could not access keyvault: https://xxxxxxx.vault.azure.net/.
```

There is not a single root cause for this error message, so you will have to do some troubleshooting.

Confirm permissions are correctly set on the key vault

1. Load the Azure Portal.
2. Open **Key vaults**.
3. Click the key vault.
4. Click **Access policies**.
5. Verify the **Get** and **List** permissions are applied.

Inspect the firewall configuration on the key vault

1. Load the Azure Portal.
2. Open **Key vaults**.
3. Click the key vault.
4. Click **Networking**.
5. Click **Firewalls and virtual networks**.
6. Select **Private endpoint and selected networks**.
7. Verify that **Allow trusted Microsoft services to bypass this firewall?** is set to **Yes**.
8. Attempt to access the secrets.

 Save  Discard  Refresh

Allow access from:

☐ All networks ☒ Private endpoint and selected networks

 Configure network access control for your key vault. [Learn more](#)

Virtual networks: 

[+ Add existing virtual networks](#)

[+ Add new virtual network](#)

VIRTUAL NETWORK

SUBNET

RESOURCE GROUP

SUBSCRIPTION


No virtual networks are selected.

Firewall: 


IPv4 address or CIDR

IPv4 address or CIDR

Exception:

Allow trusted Microsoft services to
bypass this firewall? 

☐ Yes ☒ No

 This can cause a disruption if this key vault is used by a trusted service and the service's network is not explicitly added.

Click to Zoom

If you can view the secrets, the issue is resolved.

If you are still getting the INVALID_STATE: Databricks could not access keyvault error, continue troubleshooting.

List all secrets in the secret scope

1. Open a notebook.
2. List all secrets in scope.

```
%python
```

```
dbutils.secrets.list("<scopename>")
```

Try to access individual secrets

Try to access a few different, random secrets.

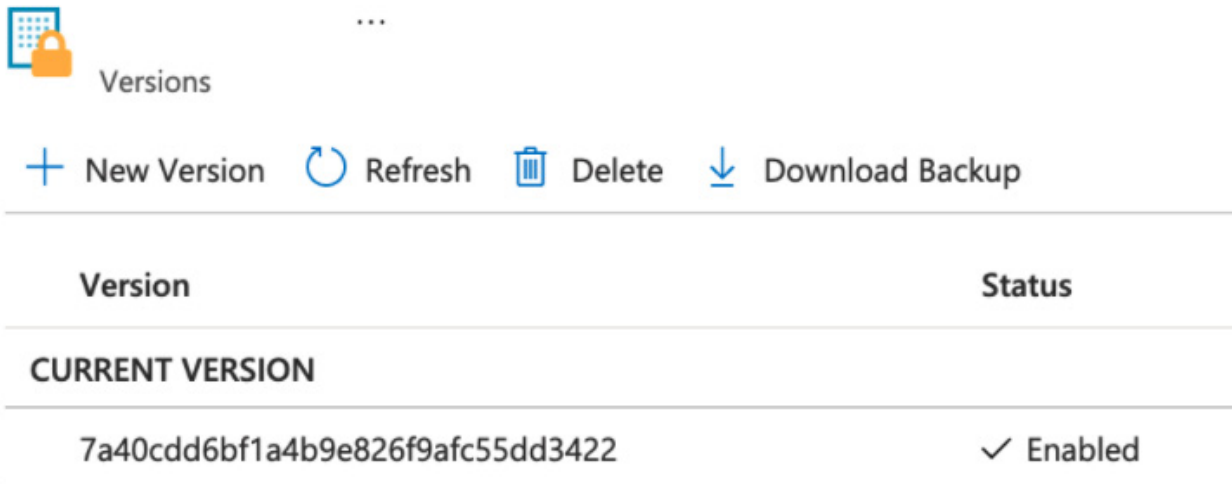
```
%python
```

```
dbutils.secrets.get("<KeyvaultSecretScope>", "<SecretName>")
```

If some secrets can be fetched, while others fail, the failed secrets are either disabled or inactive.

Enable individual secrets

1. Load the Azure Portal.
2. Open **Key vaults**.
3. Click the key vault.
4. Click **Secrets**.
5. Click the secret and verify that the status is set to **Enabled**.



Versions	
+ New Version ↻ Refresh 🗑 Delete ⬇ Download Backup	
Version	Status
CURRENT VERSION	
7a40cdd6bf1a4b9e826f9afc55dd3422	✓ Enabled

Click to Zoom

If the secret is disabled, enable it, or create a new version.

Verify that individual secrets are working

Try to access the previously failed secrets.

```
%python
```

```
dbutils.secrets.get("<KeyvaultSecretScope>", "<SecretName>")
```

You can fetch all of them.