Failed to deploy CMK-BYOK

Last updated by | Hamza Aqel | Nov 20, 2020 at 11:01 AM PST

ISSUE or ERROR: Failed to save Data Encryption settings The provided Key Vault uri 'https://keyvaultformysql.vault.azure.net/keys/keyvaultformysql8test/545a541b5dca48a9b1acb12071075bdd' is not valid. Please ensure the key vault has been configured with soft-delete.

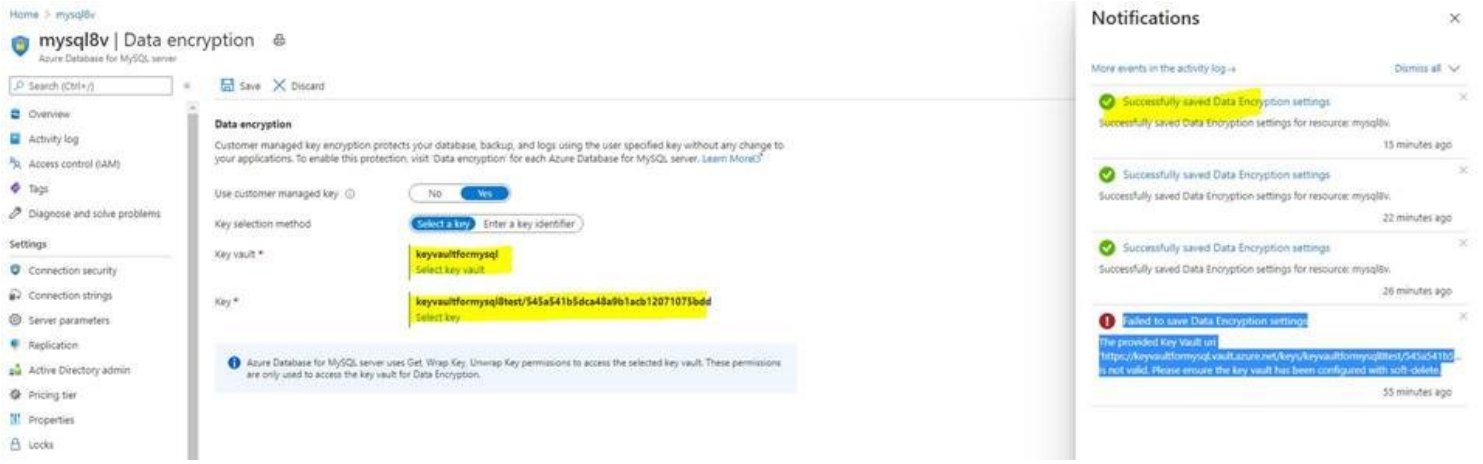
Investigation/Analysis Reviewed the Documentation links and reproduced in our environment

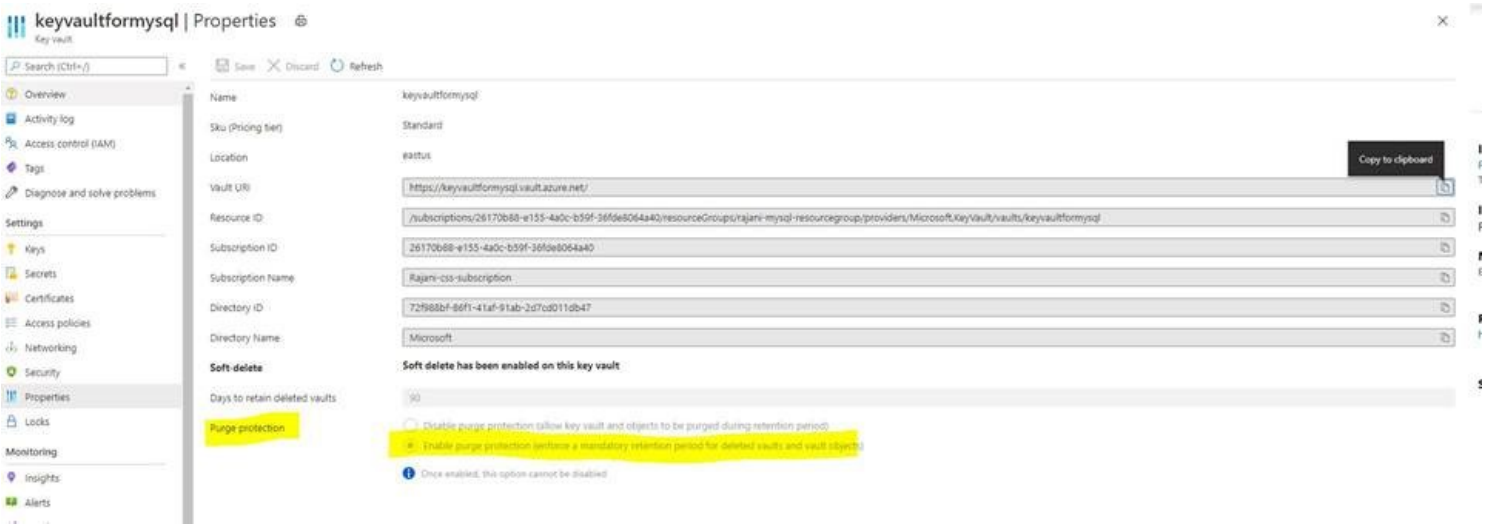
Mitigation:

> Enable purge protection under properties under setting blade of key vault. If you don't enable purge protection you will have the above error.

Public Doc Reference https://docs.microsoft.com/en-us/azure/mysql/concepts-data-encryption-mysql

Screen Shots:





If all of the above settings are correct, which you can check too from ASC , by going to resource explorer and select the key vault resource , you will see the below properties:

Sku	Premium
TenantId	72f988bf-86f1-41af-91ab-2d7cd011db47
AccessPolicies	
EnabledForDeployment	False
EnabledForDiskEncryption	False
EnabledForTemplateDeployment	False
EnableSoftDelete	True
EnablePurgeProtection	True
EnableRbacAuthorization	False

Please check the CMK key recoveryLevel , you can do that by running the below AZ command :

az keyvault key show --vault-name keyvaultname -n keyname

the expected result should be :

```
{
  "attributes": {
    "created": "2020-09-28T10:30:54+00:00",
    "enabled": true,
    "expires": null,
    "notBefore": null,
    "recoveryLevel": "Recoverable",
    "updated": "2020-09-28T10:30:54+00:00"
  },
```

We currently supporting only the Recoverable options, other options like:

```
{
  "attributes": {
    "created": "2020-04-22T09:49:53+00:00",
    "enabled": true,
    "expires": null,
    "notBefore": null,
    "recoveryLevel": "Recoverable+Purgeable",
    "updated": "2020-04-22T09:49:53+00:00"
```

Here the purge protection is not enabled, ask the customer to enable it.

```
{
  "attributes": {
    "created": "2020-11-20T15:56:01+00:00",
    "enabled": true,
    "expires": null,
    "notBefore": null,
    "recoveryLevel": "CustomizedRecoverable",
    "updated": "2020-11-20T15:56:01+00:00"
```

Here the customer created a key vault with retention less than 90 days, which we don't

support too, please ask the customer to create a new keyvault with 90 days of retention.

Root Cause Classification Advisory: How to use key vault for Azure mysql server

How good have you found this content?