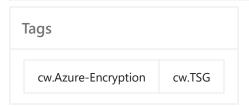
Access Denied_Encryption

Last updated by | Kevin Gregoire | Mar 29, 2022 at 11:47 AM PDT



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Summary

This article provides troubleshooting instructions for the scenario in which the customer receives the following error:

VM has reported a failure when processing extension 'AzureDiskEncryption'. Error message: \\"Failed to configu

Relevant Logs

Collect the following logs to investigate the error:

- C:\WindowsAzure\Logs\Plugins\Microsoft.Azure.Security.AzureDiskEncryption\<version>\Bitlocker.log
- MDM Tables found in ASC

The error message in **Bitlocker.log** should be as follows:

The resource operation completed with terminal provisioning state 'Failed'."

"VM has reported a failure when processing extension 'AzureDiskEncryption'. Error message: \"Failed to configure bitlocker as expected. Exception: Access denied"

```
secretContentType: Wrapped BEK
         authority: https://login.windows.n
resource : https://vault.azure.net
         scope:
                                                    BitlockerExtension::UnloadBekToKeyVault, hit exception Access denied
BitlockerExtension::ISBitlockerKeyPresentInBekVolume Start
BitlockerExtension::ISBitlockerKeyPresentInBekVolume bitlocker key volume : BEK
 2017-08-29T21:29:50.6489962Z
                                       [Info]:
[Info]:
2017-08-29T21:29:50.6489962Z
Volume volume not found yet
2017-08-29721:29:50.6646249Z
                                       [Info]:
                                                    BitlockerOperations::DeleteProtectorOfVolume volume: C:\. protectorId:
 {1731F3EF-2469-4FD8-8AE2-434E4D3BE99B}
 2017-08-29T21:29:50.6958718Z
                                                   Win32EncryptableVolumeWrap::DeleteKeyProtector successfully deleted protectorId:
Microsoft.Cis.Security.BitLocker.BitlockerIaasVMExtension.BitlockerExtension.GenerateAndUploadProtectorForVolume(EncryotableVolu
   vol. Boolean saveKevToBekVolume)
at Microsoft.Cis.Security.BitLocker.BitlockerIaasVMExtension.BitlockerExtension.GenerateAndUploadOsVolumeProtector()
    at Microsoft.Cis.Security.BitLocker.BitlockerIaasVMExtension.BitlockerExtension.EnableEncryption()
at Microsoft.Cis.Security.BitLocker.BitlockerIaasVMExtension.BitlockerExtension.HandleEncryptionOperations()
at Microsoft.Cis.Security.BitLocker.BitlockerIaasVMExtension.BitlockerExtension.OnEnable()
```

Troubleshooting

Mitigation 1

- 1. Identify the Vault + Client ID (Application ID) that was used in the APIOoSEvent table. (ProTip: Be sure to change the region you are looking in to match the operation)
 - 1. Gather the following information:
 - 1. Find the extension PUT operation
 - 2. Node Name (you have to show this column below)
 - 3. OperationID (this will be the activityID in the Context Activity table search)



2. Identify the ClientID (ApplicationID) that was used in the SPIOoSEvent table. (ProTip: Filter on "Invoking action VMExtensions.VMExtensionOperation.PUT")

3. Have customer validate and update the permissions settings on the vault.

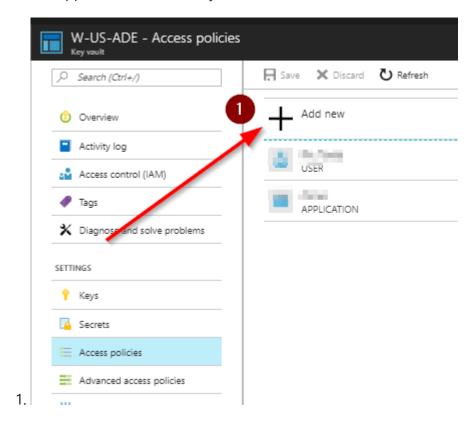
```
Note

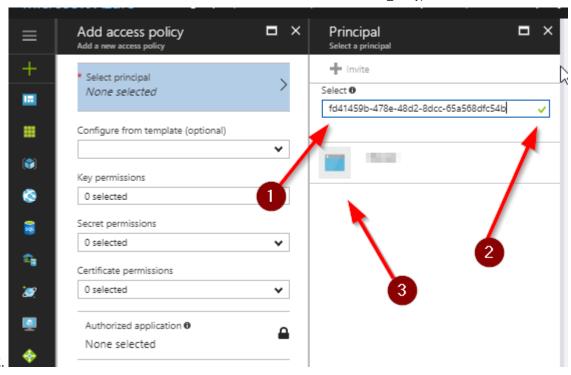
Azure Disk Encryption requires you to configure the following access policies to your Azure AD client application: WrapKey and Set permissions.
```

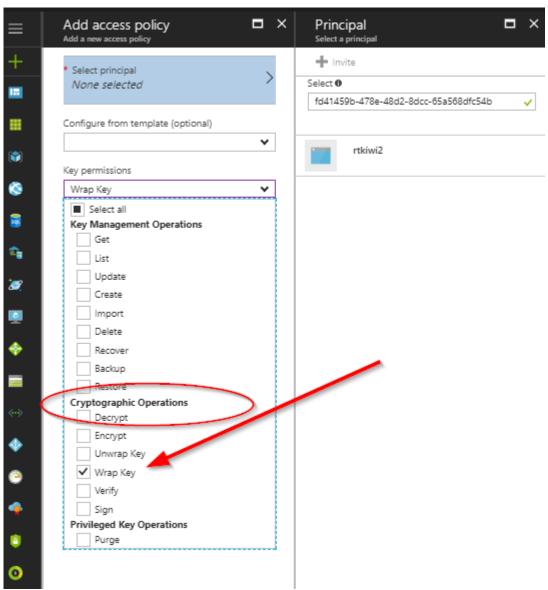
```
$keyVaultName = '\<yourKeyVaultName\>'
$aadClientID = '\<yourAadAppClientID\>'
$rgname = '\<yourResourceGroup\>'
Set-AzKeyVaultAccessPolicy -VaultName $keyVaultName -ServicePrincipalName $aadClientID -PermissionsToKeys 'W
```

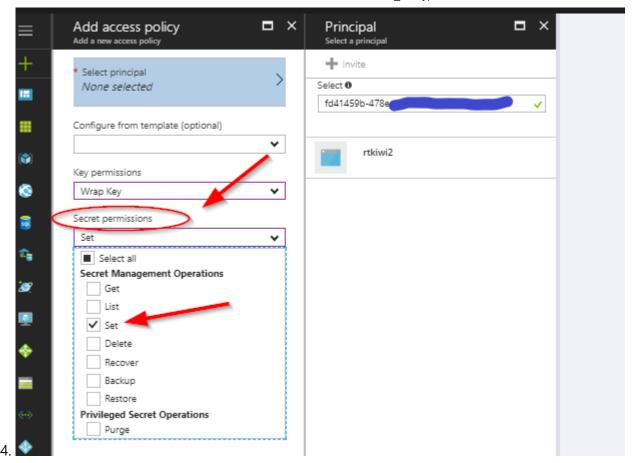
Mitigation 2

Add the ApplicationID to the Key Vault:









5. Don't forget to **SAVE** your changes.

Documentation

- <u>Set-AzKeyVaultAccessPolicy</u> ☑
- Azure Disk Encryption for virtual machines and virtual machine scale sets [2]

Need additional help or have feedback?

To engage the Azure Encryption SMEs	To provide feedback on this page	To provide kudos on this page
Please reach out to the Azure Encryption SMEs for faster assistance. Make sure to use the Ava process for faster assistance.	Use the Azure Encryption Feedback form to submit detailed feedback on improvements or new content ideas for Azure Encryption. Please note the link to the page is required when submitting feedback on existing pages! If it is a new content idea, please put N/A in the Wiki Page Link.	Use the Azure Encryption Kudos form to submit kudos on the page. Kudos will help us improve our wiki content overall! Please note the link to the page is required when submitting kudos!