Windows PowerShell Get-Help on Cmdlet 'Add-AzKeyVaultManagedStorageAccount'

PS:\>Get-HELP Add-AzKeyVaultManagedStorageAccount -Full

NAME

Add-AzKeyVaultManagedStorageAccount

SYNOPSIS

Adds an existing Azure Storage Account to the specified key vault for its keys to be managed by the Key Vault service.

SYNTAX

Add-AzKeyVaultManagedStorageAccount [-VaultName] <System.String> [-AccountName] <System.String> [-AccountResourceId] <System.String> [-ActiveKeyName] <System.String>

[-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Disable] [-DisableAutoRegenerateKey]

[-RegenerationPeriod <System.Nullable`1[System.TimeSpan]>] [-Tag <System.Collections.Hashtable>] [-Confirm] [-WhatIf] [<CommonParameters>]

DESCRIPTION

Sets up an existing Azure Storage Account with Key Vault for Storage Account keys to be managed by Key Vault. The Storage Account must already exist. The Storage Keys

are never exposed to caller. Key Vault auto regenerates and switches the active key based on the regeneration period.

See Azure Key Vault managed storage account -

PowerShell (https://learn.microsoft.com/azure/key-vault/key-vault-overview-storage-keys-powershell)for an overview of this feature.

PARAMETERS

-AccountName <System.String>

Key Vault managed storage account name. Cmdlet constructs the FQDN of a managed storage account name from vault name, currently selected environment and manged

storage account name.

Required? true

Position? 1

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-AccountResourceId <System.String>

Azure resource id of the storage account.

Required? true

Position? 2

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-ActiveKeyName <System.String>

Name of the storage account key that must be used for generating sas tokens.

Required? true

Position? 3

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-DefaultProfile <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>

The credentials, account, tenant, and subscription used for communication with azure

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Disable <System.Management.Automation.SwitchParameter>

Disables the use of managed storage account's key for generation of sas tokens.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-DisableAutoRegenerateKey <System.Management.Automation.SwitchParameter>

Auto regenerate key. If true, then the managed storage account's inactive key gets auto regenerated and becomes the new active key after the regeneration period.

If false, then the keys of managed storage account are not auto regenerated.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-RegenerationPeriod <System.Nullable`1[System.TimeSpan]>

Regeneration period. If auto regenerate key is enabled, this value specifies the timespan after which managed storage

account's inactive keygets auto regenerated

and becomes the new active key.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Tag <System.Collections.Hashtable>

Key-value pairs in the form of a hash table. For example: @{key0="value0";key1=$null;key2="value2"}

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-VaultName <System.String>

Vault name. Cmdlet constructs the FQDN of a vault based on the name and currently selected environment.

Required? true

Position? 0

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Confirm <System.Management.Automation.SwitchParameter>

Prompts you for confirmation before running the cmdlet.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-WhatIf <System.Management.Automation.SwitchParameter>

Shows what would happen if the cmdlet runs. The cmdlet is not run.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

<CommonParameters>

This cmdlet supports the common parameters: Verbose, Debug,

ErrorAction, ErrorVariable, WarningAction, WarningVariable,

OutBuffer, PipelineVariable, and OutVariable. For more information, see

about_CommonParameters (https:/go.microsoft.com/fwlink/?LinkID=113216).

INPUTS

System.String

System.Nullable`1[[System.TimeSpan, System.Private.CoreLib, Version=4.0.0.0, Culture=neutral, PublicKeyToken=7cec85d7bea7798e]]

System.Collections.Hashtable

OUTPUTS

Microsoft.Azure.Commands.KeyVault.Models.PSKeyVaultManagedStorageAccount

NOTES

Example 1: Set an Azure Storage Account with Key Vault to manage its keys

```
$storage = Get-AzStorageAccount -ResourceGroupName "mystorageResourceGroup" -StorageAccountName "mystorage"
$servicePrincipal = Get-AzADServicePrincipal -ServicePrincipalName cfa8b339-82a2-471a-a3c9-0fc0be7a4093
New-AzRoleAssignment -ObjectId $servicePrincipal.Id -RoleDefinitionName 'Storage Account Key Operator Service Role' -Scope $storage.Id
$userPrincipalId = $(Get-AzADUser -SearchString "developer@contoso.com").Id
Set-AzKeyVaultAccessPolicy -VaultName $keyVaultName -ObjectId $userPrincipalId -PermissionsToStorage get, set
$regenerationPeriod = [System.Timespan]::FromDays(90)
Add-AzKeyVaultManagedStorageAccount -VaultName 'myvault' -AccountName 'mystorageaccount' -AccountResourceId '/subscriptions/<subscription
id>/resourceGroups/myresourcegroup/providers/Microsoft.Storage/storageAccounts/mystorageaccount' -ActiveKeyName 'key1' -RegenerationPeriod $regenerationPeriod
```

```
Id                  : https://myvault.vault.azure.net:443/storage/mystorageaccount
Vault Name          : myvault
AccountName         : mystorageaccount
                                                    Account Resource Id :
/subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/myrg/providers/Microsoft.St
                    orage/storageAccounts/mystorageaccount
Active Key Name     : key1
Auto Regenerate Key : True
Regeneration Period : 90.00:00:00
Enabled             : True
Created             : 5/21/2018 11:55:58 PM
```

Updated : 5/21/2018 11:55:58 PM

Tags :

Sets a Storage Account with Key Vault for its keys to be managed by Key Vault. The active key set is 'key1'. This key will be used to generate sas tokens. Key Vault

will regenerate 'key2' key after the regeneration period from the time of this command and set it as the active key. This auto regeneration process will continue

between 'key1' and 'key2' with a gap of 90 days.

Example 2: Set a Classic Azure Storage Account with Key Vault to manage its keys

```
$regenerationPeriod = [System.Timespan]::FromDays(90)
Add-AzKeyVaultManagedStorageAccount -VaultName 'myvault' -AccountName 'mystorageaccount' -AccountResourceId '/subscriptions/<subscription
id>/resourceGroups/myresourcegroup/providers/Microsoft.ClassicStorage/storageAccounts/mystorageaccount' -ActiveKeyName 'Primary' -RegenerationPeriod
$regenerationPeriod
```

Id : https://myvault.vault.azure.net:443/storage/mystorageaccount

Vault Name : myvault

AccountName : mystorageaccount

Account Resource Id :
/subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/myvault/providers/Microsoft.Cl
assicStorage/storageAccounts/mystorageaccount

Active Key Name : Primary

Auto Regenerate Key : True

Regeneration Period : 90.00:00:00

Enabled : True

Created : 5/21/2018 11:55:58 PM

Updated : 5/21/2018 11:55:58 PM

Tags :

Sets a Classic Storage Account with Key Vault for its keys to be managed by Key Vault. The active key set is 'Primary'. This key will be used to generate sas tokens.

Key Vault will regenerate 'Secondary' key after the regeneration period from the time of this command and set it as the active key. This auto regeneration process

will continue between 'Primary' and 'Secondary' with a gap of 90 days.

RELATED LINKS

Online Version: https://learn.microsoft.com/powershell/module/az.keyvault/add-azkeyvaultmanagedstorageaccount

Az.KeyVault