



Windows PowerShell Get-Help on Cmdlet 'Restore-AzKeyVault'

PS:\>Get-HELP Restore-AzKeyVault -Full

NAME

Restore-AzKeyVault

SYNOPSIS

Fully restores a managed HSM from backup.

SYNTAX

```
Restore-AzKeyVault [-HsmName] <System.String> -BackupFolder <System.String> [-DefaultProfile  
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-KeyName  
<System.String>] [-PassThru] [-SasToken  
    <System.Security.SecureString>] -StorageAccountName <System.String> -StorageContainerName <System.String>  
[-UseUserManagedIdentity] [-Confirm] [-WhatIf]  
[<CommonParameters>]
```

```
Restore-AzKeyVault [-HsmName] <System.String> -BackupFolder <System.String> [-DefaultProfile  
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-KeyName  
<System.String>] [-PassThru] [-SasToken  
    <System.Security.SecureString>] -StorageContainerUri <System.Uri> [-UseUserManagedIdentity] [-Confirm] [-WhatIf]  
[<CommonParameters>]
```

Restore-AzKeyVault -BackupFolder <System.String> [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]

-HsmObject <Microsoft.Azure.Commands.KeyVault.Models.PSManagedHsm> [-KeyName <System.String>] [-PassThru
[-SasToken <System.Security.SecureString>]
-StorageContainerUri <System.Uri> [-UseUserManagedIdentity] [-Confirm] [-WhatIf] [<CommonParameters>]

Restore-AzKeyVault -BackupFolder <System.String> [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]

-HsmObject <Microsoft.Azure.Commands.KeyVault.Models.PSManagedHsm> [-KeyName <System.String>] [-PassThru
[-SasToken <System.Security.SecureString>]
-StorageAccountName <System.String> -StorageContainerName <System.String> [-UseUserManagedIdentity] [-Confirm]
[-WhatIf] [<CommonParameters>]

DESCRIPTION

Fully restores a managed HSM from a backup stored in a storage account. Use `Backup-AzKeyVault` to backup.

PARAMETERS

-BackupFolder <System.String>

Folder name of the backup, e.g. 'mhsm-*-2020101309020403'. It can also be nested such as
'backups/mhsm-*-2020101309020403'.

Required? true

Position? named

Default value None

Accept pipeline input? False

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

-HsmName <System.String>

Name of the HSM.

Required? true
Position? 1
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-HsmObject <Microsoft.Azure.Commands.KeyVault.Models.PSManagedHsm>

Managed HSM object

Required? true
Position? named
Default value None
Accept pipeline input? True (ByValue)
Accept wildcard characters? false

-KeyName <System.String>

Key name to restore.

Required? false
Position? named
Default value None
Accept pipeline input? False
Accept wildcard characters? false

-PassThru <System.Management.Automation.SwitchParameter>

Return true when the HSM is restored.

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-SasToken <System.Security.SecureString>

The shared access signature (SAS) token to authenticate the storage account.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-StorageAccountName <System.String>

Name of the storage account where the backup is going to be stored.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-StorageContainerName <System.String>

Name of the blob container where the backup is going to be stored.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-StorageContainerUri <System.Uri>

URI of the storage container where the backup is going to be stored.

Required? true

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-UseUserManagedIdentity <System.Management.Automation.SwitchParameter>

Specified to use User Managed Identity to authenticate the storage account. Only valid when SasToken is not set.

Required? false

Position? named

Default value False

Accept pipeline input? False

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

None

OUTPUTS

System.Boolean

NOTES

----- Example 1 Restore a Key Vault -----

\$sasToken = ConvertTo-SecureString -AsPlainText -Force

"?sv=2019-12-12&ss=bfqt&srt=sco&sp=rwdlacupx&se=2020-10-12T14:42:19Z&st=2020-10-12T06:42:19Z&spr=https&sig=*

*****"

```
Restore-AzKeyVault -HsmName myHsm -StorageContainerUri  
"https://{accountName}.blob.core.windows.net/{containerName}" -BackupFolder "mhsm-myHsm-2020101308504935"  
-SasToken $sasToken
```

The example restores a backup stored in a folder named "mhsm-myHsm-2020101308504935" of a storage container
"https://{accountName}.blob.core.windows.net/{containerName}".

Example 2 Restore a Key Vault via User Assigned Managed Identity Authentication

Make sure an identity is assigned to the Hsm

```
Update-AzKeyVaultManagedHsm -UserAssignedIdentity
```

```
"/subscriptions/{sub-id}/resourceGroups/{rg-name}/providers/Microsoft.ManagedIdentity/userAssignedIdentities/{identity-na  
me}"
```

```
Restore-AzKeyVault -HsmName myHsm -StorageContainerUri  
"https://{accountName}.blob.core.windows.net/{containerName}" -BackupFolder "mhsm-myHsm-2020101308504935"  
-UseUserManagedIdentity
```

The example restores an HSM via User Assigned Managed Identity Authentication.

RELATED LINKS

Online Version: <https://learn.microsoft.com/powershell/module/az.keyvault/restore-azkeyvault>