



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

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

NAME

Backup-AzKeyVault

SYNOPSIS

Fully backup a managed HSM.

SYNTAX

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

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

<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -HsmObject
 <Microsoft.Azure.Commands.KeyVault.Models.PSManagedHsm> [-SasToken <System.Security.SecureString>]
-StorageContainerUri <System.Uri> [-UseUserManagedIdentity]
 [-Confirm] [-WhatIf] [<CommonParameters>]

Backup-AzKeyVault [-DefaultProfile

<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -HsmObject
 <Microsoft.Azure.Commands.KeyVault.Models.PSManagedHsm> [-SasToken <System.Security.SecureString>]
-StorageAccountName <System.String> -StorageContainerName
 <System.String> [-UseUserManagedIdentity] [-Confirm] [-WhatIf] [<CommonParameters>]

DESCRIPTION

Fully backup a managed HSM to a storage account. Use `Restore-AzKeyVault` to restore the backup.

PARAMETERS

-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

-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.String

NOTES

- Example 1 Backup an HSM to Storage Container using SAS token -

\$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=*****"
```

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

```
https://{accountName}.blob.core.windows.net/{containerName}/{backupFolder}
```

The cmdlet will create a folder (typically named `mshm-{name}-{timestamp}`) in the storage container, store the backup in that folder and output the folder URI.

Example 2 Backup an HSM to Storage Container 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-name}"
```

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

```
https://{accountName}.blob.core.windows.net/{containerName}/{backupFolder}
```

The cmdlet will backup the hsm in specific Storage Container and output the folder URI via User Assigned Managed Identity Authentication. The Managed Identity should be assigned access permission to the storage container.

Example 3 Backup an HSM to Storage Container using Storage Account Name and Storage Container

```
Backup-AzKeyVault -HsmName myHsm -StorageAccountName "{accountName}" -StorageContainerName  
"{containerName}" -UseUserManagedIdentity
```

`https://{accountName}.blob.core.windows.net/{containerName}/{backupFolder}`

The cmdlet will create a folder (typically named `mhsm-{name}-{timestamp}`) in the storage container, store the backup in that folder and output the folder URI.

RELATED LINKS

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