



Windows PowerShell Get-Help on Cmdlet 'Get-AzKeyVaultSecret'

PS:\>Get-HELP Get-AzKeyVaultSecret -Full

NAME

Get-AzKeyVaultSecret

SYNOPSIS

Gets the secrets in a key vault.

SYNTAX

```
Get-AzKeyVaultSecret [-VaultName] <System.String> [[-Name] <System.String>] [-AsPlainText] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-InRemovedState]
[<CommonParameters>]
```

```
Get-AzKeyVaultSecret [-VaultName] <System.String> [-Name] <System.String> [-Version] <System.String>
[-AsPlainText] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[<CommonParameters>]
```

```
Get-AzKeyVaultSecret [-InputObject] <Microsoft.Azure.Commands.KeyVault.Models.PSKeyVault> [[-Name]
<System.String>] [-AsPlainText] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-InRemovedState]
```

[<CommonParameters>]

Get-AzKeyVaultSecret [-InputObject] <Microsoft.Azure.Commands.KeyVault.Models.PSKeyVault> [-Name]
<System.String> [-Version] <System.String> [-AsPlainText]

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

Get-AzKeyVaultSecret [-ResourceId] <System.String> [[-Name] <System.String>] [-AsPlainText] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-InRemovedState]
[<CommonParameters>]

Get-AzKeyVaultSecret [-ResourceId] <System.String> [-Name] <System.String> [-Version] <System.String>
[-AsPlainText] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[<CommonParameters>]

Get-AzKeyVaultSecret [-VaultName] <System.String> [-Name] <System.String> [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -IncludeVersions
[<CommonParameters>]

Get-AzKeyVaultSecret [-InputObject] <Microsoft.Azure.Commands.KeyVault.Models.PSKeyVault> [-Name]
<System.String> [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -IncludeVersions
[<CommonParameters>]

Get-AzKeyVaultSecret [-ResourceId] <System.String> [-Name] <System.String> [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] -IncludeVersions
[<CommonParameters>]

DESCRIPTION

The Get-AzKeyVaultSecret cmdlet gets secrets in a key vault. This cmdlet gets a specific secret or all the secrets in a key vault.

PARAMETERS

-AsPlainText <System.Management.Automation.SwitchParameter>

When set, the cmdlet will convert secret in secure string to the decrypted plaintext string as output.

Required?	false
Position?	named
Default value	False
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

-IncludeVersions <System.Management.Automation.SwitchParameter>

Indicates that this cmdlet gets all versions of a secret. The current version of a secret is the first one on the list. If you specify this parameter you must

also specify the Name and VaultName parameters. If you do not specify the IncludeVersions parameter, this cmdlet gets the current version of the secret with the specified Name .

Required?	true
Position?	named
Default value	False
Accept pipeline input?	False
Accept wildcard characters?	false

-InputObject <Microsoft.Azure.Commands.KeyVault.Models.PSKeyVault>

KeyVault Object.

Required? true

Position? 0

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-InRemovedState <System.Management.Automation.SwitchParameter>

Specifies whether to show the previously deleted secrets in the output

Required? false

Position? named

Default value False

Accept pipeline input? False

Accept wildcard characters? false

-Name <System.String>

Specifies the name of the secret to get.

Required? false

Position? 1

Default value None

Accept pipeline input? False

Accept wildcard characters? true

-ResourceId <System.String>

KeyVault Resource Id.

Required? true

Position? 0

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-VaultName <System.String>

Specifies the name of the key vault to which the secret belongs. This cmdlet constructs the fully qualified domain name (FQDN) of a key vault based on the name that this parameter specifies and your current environment.

Required? true

Position? 0

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-Version <System.String>

Specifies the secret version. This cmdlet constructs the FQDN of a secret based on the key vault name, your currently selected environment, the secret name, and the secret version.

Required? true

Position? 2

Default value None

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

Microsoft.Azure.Commands.KeyVault.Models.PSKeyVault

System.String

OUTPUTS

Microsoft.Azure.Commands.KeyVault.Models.PSKeyVaultSecretIdentityItem

Microsoft.Azure.Commands.KeyVault.Models.PSKeyVaultSecret

Microsoft.Azure.Commands.KeyVault.Models.PSDeletedKeyVaultSecretIdentityItem

Microsoft.Azure.Commands.KeyVault.Models.PSDeletedKeyVaultSecret

NOTES

Example 1: Get all current versions of all secrets in a key vault

Get-AzKeyVaultSecret -VaultName 'Contoso'

Vault Name : contoso

Name : secret1

Version :

Id : https://contoso.vault.azure.net:443/secrets/secret1

Enabled : True

Expires : 4/6/2018 3:59:43 PM

Not Before :

Created : 4/5/2018 11:46:28 PM

Updated : 4/6/2018 11:30:17 PM

Content Type :

Tags :

Vault Name : contoso

Name : secret2

Version :

Id : https://contoso.vault.azure.net:443/secrets/secret2

Enabled : True

Expires :

Not Before :

Created : 4/11/2018 11:45:06 PM

Updated : 4/11/2018 11:45:06 PM

Content Type :

Tags :

This command gets the current versions of all secrets in the key vault named Contoso.

----- Example 2: Get all versions of a specific secret -----

Get-AzKeyVaultSecret -VaultName 'Contoso' -Name 'secret1' -IncludeVersions

Vault Name : contoso

Name : secret1

Version : 7128133570f84a71b48d7d0550deb74c

Id : https://contoso.vault.azure.net:443/secrets/secret1/7128133570f84a71b48d7d0550deb74c

Enabled : True

Expires : 4/6/2018 3:59:43 PM

Not Before :

Created : 4/5/2018 11:46:28 PM

Updated : 4/6/2018 11:30:17 PM

Content Type :

Tags :

Vault Name : contoso

Name : secret1

Version : 5d1a74ba2c454439886fb8509b6cab3c

Id : https://contoso.vault.azure.net:443/secrets/secret1/5d1a74ba2c454439886fb8509b6cab3c

Enabled : True

Expires :

Not Before :

Created : 4/5/2018 11:44:50 PM

Updated : 4/5/2018 11:44:50 PM

Content Type :

Tags :

This command gets all versions of the secret named secret1 in the key vault named Contoso.

--- Example 3: Get the current version of a specific secret ---

Get-AzKeyVaultSecret -VaultName 'Contoso' -Name 'secret1'

Vault Name : contoso

Name : secret1

Version : 7128133570f84a71b48d7d0550deb74c

Id : https://contoso.vault.azure.net:443/secrets/secret1/7128133570f84a71b48d7d0550deb74c

Enabled : True

Expires : 4/6/2018 3:59:43 PM

Not Before :

Created : 4/5/2018 11:46:28 PM

Updated : 4/6/2018 11:30:17 PM

Content Type :

Tags :

This command gets the current version of the secret named secret1 in the key vault named Contoso.

---- Example 4: Get a specific version of a specific secret ----

```
Get-AzKeyVaultSecret -VaultName 'Contoso' -Name 'secret1' -Version '5d1a74ba2c454439886fb8509b6cab3c'
```

Vault Name : contoso

Name : secret1

Version : 5d1a74ba2c454439886fb8509b6cab3c

Id : https://contoso.vault.azure.net:443/secrets/secret1/5d1a74ba2c454439886fb8509b6cab3c

Enabled : True

Expires :

Not Before :

Created : 4/5/2018 11:44:50 PM

Updated : 4/5/2018 11:44:50 PM

Content Type :

Tags :

This command gets a specific version of the secret named secret1 in the key vault named Contoso.

Example 5: Get the plain text value of the current version of a specific secret

```
$secretText = Get-AzKeyVaultSecret -VaultName 'Contoso' -Name 'ITSecret' -AsPlainText
```

The cmdlet returns the secret as a string when `-AsPlainText` is applied. Note: When listing secrets, i.e. not providing `-Name`, the `-AsPlainText` is ignored.

Example 6: Get all the secrets that have been deleted but not purged for this key vault.

```
Get-AzKeyVaultSecret -VaultName 'Contoso' -InRemovedState
```

Vault Name : contoso
Name : secret1
Id : https://contoso.vault.azure.net:443/secrets/secret1
Deleted Date : 4/4/2018 8:51:58 PM
Scheduled Purge Date : 7/3/2018 8:51:58 PM
Enabled : True
Expires :
Not Before :
Created : 4/4/2018 8:51:03 PM
Updated : 4/4/2018 8:51:03 PM
Content Type :
Tags :

Vault Name : contoso
Name : secret2
Id : https://contoso.vault.azure.net:443/secrets/secret2
Deleted Date : 5/7/2018 7:56:34 PM
Scheduled Purge Date : 8/5/2018 7:56:34 PM
Enabled : True
Expires :
Not Before :
Created : 4/6/2018 8:39:15 PM
Updated : 4/6/2018 10:11:24 PM
Content Type :
Tags :

This command gets all the secrets that have been previously deleted, but not purged, in the key vault named Contoso.

Example 7: Gets the secret ITSecret that has been deleted but not purged for this key vault.

```
Get-AzKeyVaultSecret -VaultName 'Contoso' -Name 'secret1' -InRemovedState
```

```
Vault Name      : contoso
Name            : secret1
Version         : 689d23346e9c42a2a64f4e3d75094dcc
Id              : https://contoso.vault.azure.net:443/secrets/secret1/689d23346e9c42a2a64f4e3d75094dcc
Deleted Date    : 4/4/2018 8:51:58 PM
Scheduled Purge Date : 7/3/2018 8:51:58 PM
Enabled         : True
Expires        :
Not Before     :
Created        : 4/4/2018 8:51:03 PM
Updated        : 4/4/2018 8:51:03 PM
Content Type    :
Tags           :
```

This command gets the secret 'secret1' that has been previously deleted, but not purged, in the key vault named Contoso. This command will return metadata such as the deletion date, and the scheduled purging date of this deleted secret.

Example 8: Get all current versions of all secrets in a key vault using filtering

```
Get-AzKeyVaultSecret -VaultName 'Contoso' -Name "secret**"
```

```
Vault Name : contoso
Name       : secret1
Version    :
Id         : https://contoso.vault.azure.net:443/secrets/secret1
```

Enabled : True
Expires : 4/6/2018 3:59:43 PM
Not Before :
Created : 4/5/2018 11:46:28 PM
Updated : 4/6/2018 11:30:17 PM
Content Type :
Tags :

Vault Name : contoso
Name : secret2
Version :
Id : https://contoso.vault.azure.net:443/secrets/secret2
Enabled : True
Expires :
Not Before :
Created : 4/11/2018 11:45:06 PM
Updated : 4/11/2018 11:45:06 PM
Content Type :
Tags :

This command gets the current versions of all secrets in the key vault named Contoso that start with "secret".

Example 9: Get a secret in Azure Key Vault by command Get-Secret in module Microsoft.PowerShell.SecretManagement

```
# Install module Microsoft.PowerShell.SecretManagement
Install-Module Microsoft.PowerShell.SecretManagement -Repository PSGallery -AllowPrerelease

# Register vault for Secret Management

Register-SecretVault -Name AzKeyVault -ModuleName Az.KeyVault -VaultParameters @{ AZKVaultName = 'test-kv';
SubscriptionId = 'xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxxx' }

# Set secret for vault AzKeyVault

$secure = ConvertTo-SecureString -String "Password" -AsPlainText -Force

Set-Secret -Vault AzKeyVault -Name secureSecret -SecureStringSecret $secure
```

Get-Secret -Vault AzKeyVault -Name secureSecret -AsPlainText

Password

This example Gets a secret named `secureSecret` in Azure Key Vault named `test-kv` by command `Get-Secret` in module `Microsoft.PowerShell.SecretManagement`.

RELATED LINKS

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

[Remove-AzKeyVaultSecret](#)

[Undo-AzKeyVaultSecretRemoval](#)

[Set-AzKeyVaultSecret](#)