



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

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

NAME

Add-AzVMSecret

SYNOPSIS

Adds a secret to a virtual machine.

SYNTAX

```
Add-AzVMSecret [-VM] <Microsoft.Azure.Commands.Compute.Models.PSVirtualMachine> [[-SourceVaultId]
<System.String>] [[-CertificateStore] <System.String>]
                                     [[-CertificateUrl] <System.String>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[<CommonParameters>]
```

DESCRIPTION

The Add-AzVMSecret cmdlet adds a secret to a virtual machine. This value lets you add a certificate to the virtual machine. The secret must be stored in a Key Vault.

For more information about Key Vault, see What is Azure Key Vault?

(<https://azure.microsoft.com/documentation/articles/key-vault-what-is/>). For more information about

the cmdlets, see [Azure Key Vault Cmdlets \(/powershell/module/az.keyvault\)](#) or the [\[Set-AzKeyVaultSecret\]\(/powershell/module/az.keyvault/set-azkeyvaultsecret\)cmdlet](#).

> [!NOTE] > To install certificates on a virtual machine it is recommended to use the Azure Key Vault virtual machine extension for Linux

(<https://learn.microsoft.com/azure/virtual-machines/extensions/key-vault-linux>) or the [Azure Key Vault virtual machine extension for

Windows](<https://learn.microsoft.com/azure/virtual-machines/extensions/key-vault-windows>)instead of `Add-AzVMSecret`.

PARAMETERS

-CertificateStore <System.String>

Specifies the name of a certificate store on the virtual machine that runs the Windows operating system. This cmdlet adds the certificate to the store that this

parameter specifies. You can only specify this parameter for virtual machines that run the Windows operating system.

Required? false

Position? 2

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-CertificateUrl <System.String>

Specifies the URL that points to a Key Vault secret which contains a certificate. The certificate is the Base64 encoding of the following JavaScript Object

Notation (JSON) object, which is encoded in UTF-8: { "data": "<Base64-encoded-file>", "dataType": "<file-format>", "password": "<pfx-file-password>" } Currently,

dataType accepts only .pfx files.

Required? false

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

-SourceVaultId <System.String>

Specifies the resource ID of the Key Vault that contains the certificates that you can add to the virtual machine. This value also acts as the key for adding

multiple certificates. This means that you can use the same value for SourceVaultId when you add multiple certificates from the same Key Vault.

Required? false

Position? 1

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-VM <Microsoft.Azure.Commands.Compute.Models.PSVirtualMachine>

Specifies the virtual machine object that this cmdlet modifies. To obtain a virtual machine object, use the Get-AzVM (./Get-AzVM.md)cmdlet. You can use the

New-AzVMConfig (./New-AzVMConfig.md)cmdlet to create a virtual machine object.

Required? true

Position? 0

Default value None

Accept pipeline input? True (ByPropertyName, ByValue)

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).

INPUTS

Microsoft.Azure.Commands.Compute.Models.PSVirtualMachine

System.String

OUTPUTS

Microsoft.Azure.Commands.Compute.Models.PSVirtualMachine

NOTES

Example: Add a secret to a virtual machine using Add-AzVMSecret

```
$VirtualMachine = New-AzVMConfig -VMName "VirtualMachine07" -VMSize "Standard_A1" -AvailabilitySetID $AvailabilitySet.Id
$Credential = Get-Credential
$VirtualMachine = Set-AzVMOperatingSystem -VM $VirtualMachine -Windows -ComputerName "Contoso26" -Credential $Credential
```

```
"/subscriptions/46f8cea4-2de6-4179-8ab1-365da4211af4/resourceGroups/vault/providers/Microsoft.KeyVault/vaults/keyvault
"

$CertificateStore01 = "My"

$CertificateUrl01 = "https://contosovault.vault.azure.net/secrets/514ceb769c984379a7e0230bdd703272"

$VirtualMachine = Add-AzVMSecret -VM $VirtualMachine -SourceVaultId $SourceVaultId -CertificateStore
$CertificateStore01 -CertificateUrl $CertificateUrl01
```

The first command creates a virtual machine object, and then stores it in the `$VirtualMachine` variable. The command assigns a name and size to the virtual machine.

The second command creates a credential object by using the `Get-Credential` cmdlet, and then stores the result in the `$Credential` variable. The command prompts you for

a user name and password. For more information, type ``Get-Help Get-Credential``. The third command uses the `Set-AzVMOperatingSystem` cmdlet to configure the virtual

machine stored in `$VirtualMachine`. The fourth command assigns a source vault ID to the `$SourceVaultId` variable for later use. The command assumes that the

`$SubscriptionId` variable has an appropriate value. The fifth command assigns a value to the `$CertificateStore01` variable for later use. The sixth command assigns a

URL for a certificate store. The seventh command adds a secret to the virtual machine stored in `$VirtualMachine`. The `SourceVaultId` parameter specifies the Key Vault.

The command specifies the name of the certificate store and the URL of the certificate. You can run the `Add-AzVMSecret` repeatedly to add secrets for other certificates.

RELATED LINKS

Online Version: <https://learn.microsoft.com/powershell/module/az.compute/add-azvmsecret>

[Get-AzVM](#)

[New-AzVMConfig](#)

[Set-AzVMOperatingSystem](#)