



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

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

NAME

Add-AzVmssSecret

SYNOPSIS

Adds a secret to a VMSS.

SYNTAX

```
                                Add-AzVmssSecret                                [-VirtualMachineScaleSet]
<Microsoft.Azure.Commands.Compute.Automation.Models.PSVirtualMachineScaleSet> [[-SourceVaultId] <System.String>]
    [[-VaultCertificate] <Microsoft.Azure.Management.Compute.Models.VaultCertificate[]>] [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>] [-Confirm] [-WhatIf]
[<CommonParameters>]
```

DESCRIPTION

The Add-AzVmssSecret cmdlet adds a secret to the Virtual Machine Scale Set (VMSS). The secret must be stored in an Azure Key Vault. For more information relating to

Key Vault, see What is Azure Key Vault? (<https://learn.microsoft.com/azure/key-vault/general/basic-concepts>)

(<https://learn.microsoft.com/azure/key-vault/general/basic-concepts>). For more information about the cmdlets, see [Azure](#)

(/powershell/module/az.keyvault) or the

[Set-AzKeyVaultSecret](/powershell/module/az.keyvault/set-azkeyvaultsecret)cmdlet.

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

-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 the SourceVaultId parameter 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

-VaultCertificate <Microsoft.Azure.Management.Compute.Models.VaultCertificate[]>

Specifies the Vault Certificate object that contains the certificate URL and certificate name. You can use the New-AzVmssVaultCertificateConfig

(./New-AzVmssVaultCertificateConfig.md)cmdlet to create this object.

Required? false

Position? 2
Default value None
Accept pipeline input? True (ByPropertyName)
Accept wildcard characters? false

-VirtualMachineScaleSet <Microsoft.Azure.Commands.Compute.Automation.Models.PSVirtualMachineScaleSet>

Specifies the VMSS object. You can use the New-AzVmssConfig (./New-AzVmssConfig.md)cmdlet to create this object.

Required? true
Position? 0
Default value None
Accept pipeline input? True (ByPropertyName, ByValue)
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 \(https://go.microsoft.com/fwlink/?LinkID=113216\)](https://go.microsoft.com/fwlink/?LinkID=113216).

INPUTS

Microsoft.Azure.Commands.Compute.Automation.Models.PSVirtualMachineScaleSet

System.String

Microsoft.Azure.Management.Compute.Models.VaultCertificate[]

OUTPUTS

Microsoft.Azure.Commands.Compute.Automation.Models.PSVirtualMachineScaleSet

NOTES

Example 1: Add a secret to the VMSS using the Azure Key Vault virtual machine extension

```
# Build settings
```

```
$settings = @{
```

```
    secretsManagementSettings = @{
```

```
        pollingIntervalInS    = "<pollingInterval>"
```

```

    certificateStoreName    = "<certStoreName>"
    certificateStoreLocation = "<certStoreLoc>"
    observedCertificates    = @("<observedCert1>", "<observedCert2>")
}
} | ConvertTo-Json

$extName = "KeyVaultForLinux"
$extPublisher = "Microsoft.Azure.KeyVault"
$extType = "KeyVaultForLinux"

# Add Extension to VMSS

$vmss = Get-AzVmss -ResourceGroupName <ResourceGroupName> -VMScaleSetName <VmssName>

Add-AzVmssExtension -VirtualMachineScaleSet $vmss -Name $extName -Publisher $extPublisher -Type $extType
-TypeHandlerVersion "2.0" -Setting $settings

# Start the deployment

Update-AzVmss -ResourceGroupName <ResourceGroupName> -VMScaleSetName <VmssName>
-VirtualMachineScaleSet $vmss

```

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>).

-- Example 2: Add a secret to the VMSS using Add-AzVmssSecret --

```

$Vault = Get-AzKeyVault -VaultName "ContosoVault"

$CertConfig = New-AzVmssVaultCertificateConfig -CertificateUrl
"http://keyVaultName.vault.contoso.net/secrets/secretName/secretVersion" -CertificateStore
"Certificates"

$VMSS = New-AzVmssConfig

Add-AzVmssSecret -VirtualMachineScaleSet $VMSS -SourceVaultId $Vault.ResourceId -VaultCertificate $CertConfig

```

This example adds a secret to the VMSS. The first command uses the Get-AzKeyVault cmdlet to get a vault secret from

the vault named ContosoVault and stores the result

in the variable named \$Vault. The second command uses the New-AzVmssVaultCertificateConfig cmdlet to create a Key Vault certificate configuration using the specified

certificate URL from the certificate store named Certificates and stores the results in the variable named \$CertConfig. The third command uses the New-AzVmssConfig

cmdlet to create a VMSS configuration object and stores the result in the variable named \$VMSS. The fourth command adds a secret to the VMSS using the vault secret

using the key resource ID and the vault certificate stored in the \$Vault and \$CertConfig variables.

RELATED LINKS

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

New-AzVmssVaultCertificateConfig

New-AzVmssConfig