



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

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

NAME

Add-AzVmssExtension

SYNOPSIS

Adds an extension to the VMSS.

SYNTAX

```

Add-AzVmssExtension [-VirtualMachineScaleSet]
<Microsoft.Azure.Commands.Compute.Automation.Models.PSVirtualMachineScaleSet> [[-Name] <System.String>]
[[-Publisher]
<System.String>] [[-Type] <System.String>] [[-TypeHandlerVersion] <System.String>] [[-AutoUpgradeMinorVersion]
<System.Nullable`1[System.Boolean]>] [[-Setting]
<System.Object>] [[-ProtectedSetting] <System.Object>] [-DefaultProfile
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-EnableAutomaticUpgrade <System.Nullable`1[System.Boolean]>] [-ForceUpdateTag <System.String>]
[-ProvisionAfterExtension <System.String[]>] [-Confirm] [-WhatIf]
[<CommonParameters>]

```

DESCRIPTION

The Add-AzVmssExtension cmdlet adds an extension to the Virtual Machine Scale Set (VMSS).

PARAMETERS

-AutoUpgradeMinorVersion <System.Nullable`1[System.Boolean]>

Indicates whether the extension version should be automatically updated to a newer minor version.

Required? false

Position? 5

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

-EnableAutomaticUpgrade <System.Nullable`1[System.Boolean]>

Indicates whether the extension should be automatically upgraded by the platform if there is a newer version of the extension available.

Required? false

Position? named

Default value None

Accept pipeline input? False

Accept wildcard characters? false

-ForceUpdateTag <System.String>

If a value is provided and is different from the previous value, the extension handler will be forced to update even if the extension configuration has not changed.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-Name <System.String>

Specifies the name of the extension that this cmdlet adds.

Required? false

Position? 1

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-ProtectedSetting <System.Object>

Specifies private configuration for the extension, as a string. This cmdlet encrypts the private configuration.

Required? false

Position? 7

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-ProvisionAfterExtension <System.String[]>

Collection of extension names after which this extension needs to be provisioned.

Required? false

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

-Publisher <System.String>

Specifies the name of the extension publisher. The publisher provides a name when the publisher registers an extension. This can use the Get-AzVMImagePublisher

(./Get-AzVMImagePublisher.md)cmdlet to get the publisher.

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

-Setting <System.Object>

Specifies the public configuration, as a string, for the extension. This cmdlet does not encrypt public configuration.

Required? false
Position? 6
Default value None
Accept pipeline input? True (ByPropertyName)
Accept wildcard characters? false

-Type <System.String>

Specifies the extension type. You can use the Get-AzVMExtensionImageType
(./Get-AzVMExtensionImageType.md)cmdlet to get the extension type.

Required? false
Position? 3
Default value None
Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-TypeHandlerVersion <System.String>

Specifies the version of the extension to use for this virtual machine. You can use the `Get-AzVMExtensionImage` (`./Get-AzVMExtensionImage.md`) cmdlet to get the

version of the extension.

Required? false

Position? 4

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

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

Specify the VMSS object. You can use the `New-AzVmssConfig` (`./New-AzVmssConfig.md`) to create the 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>).

INPUTS

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

System.String

System.Nullable`1[[System.Boolean, System.Private.CoreLib, Version=4.0.0.0, Culture=neutral, PublicKeyToken=7cec85d7bea7798e]]

System.Object

OUTPUTS

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

----- Example 1: Add an extension to the VMSS -----

```
Add-AzVmssExtension -VirtualMachineScaleSet $VMSS -Name $ExtName -Publisher $Publisher -Type $ExtType  
-TypeHandlerVersion $ExtVer -AutoUpgradeMinorVersion $True
```

This command adds an extension to the VMSS.

Example 2: Add an extension to the VMSS with settings and protected settings

```
$Settings = @{"fileUri" = "[ ]"; "commandToExecute" = ""};
```

```
$ProtectedSettings = @{"storageAccountName" = $stoname; "storageAccountKey" = $stokey};
```

```
Add-AzVmssExtension -VirtualMachineScaleSet $vmss -Name $vmssExtensionName -Publisher $vmssPublisher `
-Type $vmssExtensionType -TypeHandlerVersion $ExtVer -AutoUpgradeMinorVersion $True `
-Setting $Settings -ProtectedSetting $ProtectedSettings
```

Example 3: Add an extension to the VMSS with settings and protected settings

```
$BatchFile = "runbook.sh"
```

```
$ResourceGroupName = "HelloRG"
```

```
$VMSScaleSetName = "HelloVmSS"
```

```
$TypeHandlerVersion = 2.1
```

```
$protectedSettings = @{
"managedIdentity" = @{ "clientId" = "xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxxxx"};
}
```

```
$publicSettings = @{
"fileUri"= ("https://storage.blob.core.windows.net/itfiles/$(BatchFile)");
"commandToExecute"= "sh $(BatchFile)"
}
```

Get information about the scale set

```
$vmss = Get-AzVmss `
    -ResourceGroupName $ResourceGroupName `
    -VMSScaleSetName $VMSScaleSetName
```

```
Add-AzVmssExtension -VirtualMachineScaleSet $vmss `
    -Name "CustomScript" `
    -Publisher "Microsoft.Azure.Extensions" `
    -Type "CustomScript" `
    -TypeHandlerVersion $TypeHandlerVersion `
    -AutoUpgradeMinorVersion $true `
    -Setting $publicSettings `
    -ProtectedSetting $protectedSettings
```

```
Update-AzVmss `
    -ResourceGroupName $ResourceGroupName `
    -Name $VMSScaleSetName `
    -VirtualMachineScaleSet $vmss
```

This command adds an extension to the VMSS with a sample bash script on a blob storage, specify the url of blob storage and executable command in settings and security access in protected settings.

RELATED LINKS

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

`Remove-AzVmssExtension`

`Get-AzVMImagePublisher`

`Get-AzVMExtensionImageType`

`Get-AzVMExtensionImage`

`New-AzVmssConfig`