



Windows PowerShell Get-Help on Cmdlet 'Set-AzVMExtension'

PS:\>Get-HELP Set-AzVMExtension -Full

NAME

Set-AzVMExtension

SYNOPSIS

Updates extension properties or adds an extension to a virtual machine.

SYNTAX

```
Set-AzVMExtension [-ResourceGroupName] <System.String> [-VMName] <System.String> [-AsJob] [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-DisableAutoUpgradeMinorVersion] [-EnableAutomaticUpgrade
    <System.Nullable`1[System.Boolean]>] -ExtensionType <System.String> [-ForceRerun <System.String>] [-Location
    <System.String>] -Name <System.String> [-NoWait]
    [-ProtectedSettings <System.Collections.Hashtable>] -Publisher <System.String> [-Settings
    <System.Collections.Hashtable>] [-TypeHandlerVersion <System.String>]
    [-Confirm] [-WhatIf] [<CommonParameters>]
```

```
Set-AzVMExtension [-ResourceGroupName] <System.String> [-VMName] <System.String> [-AsJob] [-DefaultProfile
    <Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>]
[-DisableAutoUpgradeMinorVersion] [-EnableAutomaticUpgrade
```

<System.Nullable`1[System.Boolean]>] -ExtensionType <System.String> [-ForceRerun <System.String>] [-Location
 <System.String>] -Name <System.String> [-NoWait]
 [-ProtectedSettingString <System.String>] -Publisher <System.String> [-SettingString <System.String>]
 [-TypeHandlerVersion <System.String>] [-Confirm] [-WhatIf]
 [<CommonParameters>]

DESCRIPTION

The Set-AzVMExtension cmdlet updates properties for existing Virtual Machine Extensions or adds an extension to a virtual machine.

PARAMETERS

-AsJob <System.Management.Automation.SwitchParameter>

Run cmdlet in the background

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

-DisableAutoUpgradeMinorVersion <System.Management.Automation.SwitchParameter>

Indicates that this cmdlet prevents the Azure guest agent from automatically updating the extensions to a newer minor

version. By default, this cmdlet enables the guest agent to update the extensions.

Required?	false
Position?	named
Default value	False
Accept pipeline input?	True (ByPropertyName)
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

-ExtensionType <System.String>

Specifies the extension type.

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

-ForceRerun <System.String>

Indicates that this cmdlet forces a rerun of the same extension configuration on the virtual machine without uninstalling and reinstalling the extension. The

value can be any string different from the current value. If forceUpdateTag is not changed, updates to public or protected settings are still applied by the

handler.

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

-Location <System.String>

Specifies the location of the virtual machine.

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

-Name <System.String>

Specifies the name of an extension.

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

-NoWait <System.Management.Automation.SwitchParameter>

Starts the operation and returns immediately, before the operation is completed. In order to determine if the operation has successfully been completed, use some other mechanism.

Required?	false
Position?	named

Default value False
Accept pipeline input? False
Accept wildcard characters? false

-ProtectedSettings <System.Collections.Hashtable>

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

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

-ProtectedSettingString <System.String>

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

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.

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

-ResourceGroupName <System.String>

Specifies the name of the resource group of the virtual machine.

Required?	true
Position?	0
Default value	None
Accept pipeline input?	True (ByPropertyName)
Accept wildcard characters?	false

-Settings <System.Collections.Hashtable>

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

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

-SettingString <System.String>

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

Required?	false
Position?	named
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.

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

Accept wildcard characters? false

`-VMName <System.String>`

Specifies the name of a virtual machine. This cmdlet modifies extensions for the virtual machine that this parameter specifies.

Required? true

Position? 1

Default value None

Accept pipeline input? True (ByPropertyName)

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

System.String

System.Collections.Hashtable

System.Management.Automation.SwitchParameter

OUTPUTS

Microsoft.Azure.Commands.Compute.Models.PSAzureOperationResponse

NOTES

----- Example 1: Modify settings by using hash tables -----

```
$Settings = @{"fileUris" = ""; "commandToExecute" = ""};
```

```
$ProtectedSettings = @{"storageAccountName" = $stname; "storageAccountKey" = $stkey};
```

```
Set-AzVMExtension -ResourceGroupName "ResourceGroup11" -Location "West US" -VMName "VirtualMachine22"  
-Name "ContosoTest" -Publisher "Contoso.Compute" -ExtensionType  
"CustomScriptExtension" -TypeHandlerVersion "1.1" -Settings $Settings -ProtectedSettings $ProtectedSettings;
```

The first two commands use standard Windows PowerShell syntax to create hash tables, and then stores those hash

tables in the \$Settings and \$ProtectedSettings

variables. For more information, type `Get-Help about\_Hash\_Tables`. The second command includes two values previously created and stored in variables. The final

command modifies an extension of the virtual machine named VirtualMachine22 in ResourceGroup11 according to the contents of \$Settings and \$ProtectedSettings. The

command specifies other required information that includes the publisher and the extension type.

----- Example 2: Modify settings by using strings -----

```
$SettingsString = '{"fileUri":[],"commandToExecute":""}';
```

```
$ProtectedSettingsString = '{"storageAccountName":"' + $stoname + ","storageAccountKey":"' + $stokey + "'}';
```

```
Set-AzVMExtension -ResourceGroupName "ResourceGroup11" -Location "West US" -VMName "VirtualMachine22"  
-Name "CustomScriptExtension" -Publisher "Contoso.Compute"  
-ExtensionType "CustomScriptExtension" -TypeHandlerVersion "1.1" -SettingString $SettingsString  
-ProtectedSettingString $ProtectedSettingsString ;
```

The first two commands create strings that contain settings, and then stores them in the \$SettingsString and \$ProtectedSettingsString variables. The final command

modifies an extension of the virtual machine named VirtualMachine22 in ResourceGroup11 according to the contents of \$SettingsString and \$ProtectedSettingsString. The

command specifies other required information that includes the publisher and the extension type.

RELATED LINKS

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

Get-AzVMExtension

Remove-AzVMExtension