



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

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

NAME

Get-AzVMExtension

SYNOPSIS

Gets properties of Virtual Machine Extensions installed on a virtual machine.

SYNTAX

```
Get-AzVMExtension [-ResourceGroupName] <System.String> [-VMName] <System.String> [[-Name] <System.String>]
[[-Status]] [-DefaultProfile]
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer>
[<CommonParameters>]
```

```
Get-AzVMExtension [[-Status]] [-DefaultProfile]
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer> [-ResourceId]
<System.String> [<CommonParameters>]
```

```
Get-AzVMExtension [[-Status]] [-DefaultProfile]
<Microsoft.Azure.Commands.Common.Authentication.Abstractions.Core.IAzureContextContainer> [-VMObject]
<Microsoft.Azure.Commands.Compute.Models.PSVirtualMachine> [<CommonParameters>]
```

DESCRIPTION

The Get-AzVMExtension cmdlet gets properties of Virtual Machine Extensions installed on a virtual machine. Specify the name of an extension for which to get

properties. To get only the instance view of an extension, specify the Status parameter.

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

-Name <System.String>

Specifies the name of an extension. This cmdlet gets properties for the extension that this parameter specifies.

Required? false

Position? 2

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-ResourceGroupName <System.String>

Specifies the name of a resource group.

Required? true

Position? 0

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-ResourceId <System.String>

Resource Id specifying the virtual machine object the extension is on.

Required? false

Position? named

Default value None

Accept pipeline input? True (ByValue)

Accept wildcard characters? false

-Status <System.Management.Automation.SwitchParameter>

Indicates that this cmdlet gets only the instance view of an extension.

Required? false

Position? 3

Default value False

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

-VMName <System.String>

Specifies the name of a virtual machine. This cmdlet gets properties of an extension from the virtual machine that this parameter specifies.

Required? true

Position? 1

Default value None

Accept pipeline input? True (ByPropertyName)

Accept wildcard characters? false

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

Specifies the virtual machine object the extension is on.

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

INPUTS

System.String

System.Management.Automation.SwitchParameter

OUTPUTS

Microsoft.Azure.Commands.Compute.Models.PSVirtualMachineExtension

NOTES

----- Example 1: Get properties of an extension -----

```
Get-AzVMExtension -ResourceGroupName "ResourceGroup11" -VMName "VirtualMachine22" -Name  
"CustomScriptExtension"
```

```
ResourceGroupName    : ResourceGroup11  
VMName               : VirtualMachine22  
Name                 : CustomScriptExtension  
Location             : eastus  
Etag                 : null  
Publisher            : Microsoft.Azure.Extensions  
ExtensionType        : CustomScript  
TypeHandlerVersion   : 2.0  
Id                   : /subscriptions/xxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/ResourceGroup11  
                      /providers/Microsoft.Compute/virtualMachines/VirtualMachine22/extensions/CustomScriptExtension  
PublicSettings       : {}  
ProtectedSettings    :  
ProvisioningState     : Succeeded  
Statuses             :  
SubStatuses          :  
AutoUpgradeMinorVersion : True  
ForceUpdateTag       :
```

This command gets properties for the extension named CustomScriptExtension on the virtual machine named VirtualMachine22 in the resource group ResourceGroup11.

----- Example 2: Get instance view of an extension -----

```
Get-AzVMExtension -ResourceGroupName "ResourceGroup11" -VMName "VirtualMachine22" -Name  
"CustomScriptExtension" -Status
```

```
ResourceGroupName    : ResourceGroup11  
VMName               : VirtualMachine22  
Name                 : CustomScriptExtension
```

Location : eastus
Etag : null
Publisher : Microsoft.Azure.Extensions
ExtensionType : CustomScript
TypeHandlerVersion : 2.0
Id : /subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/ResourceGroup11
/providers/Microsoft.Compute/virtualMachines/VirtualMachine22/extensions/CustomScriptExtension
PublicSettings : {}
ProtectedSettings :
ProvisioningState : Succeeded
Statuses : {Microsoft.Azure.Management.Compute.Models.InstanceViewStatus}
SubStatuses :
AutoUpgradeMinorVersion : True
ForceUpdateTag :

This command gets the instance view for the extension named CustomScriptExtension on the virtual machine named VirtualMachine22 in the resource group ResourceGroup11.

----- Example 3: Get all extensions installed on a VM -----

Get-AzVMExtension -ResourceGroupName "ResourceGroup11" -VMName "VirtualMachine22"

ResourceGroupName : ResourceGroup11
VMName : VirtualMachine22
Name : CustomScriptExtension
Location : eastus
Etag : null
Publisher : Microsoft.Azure.Extensions
ExtensionType : CustomScript
TypeHandlerVersion : 2.0
Id : /subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/ResourceGroup11
/providers/Microsoft.Compute/virtualMachines/VirtualMachine22/extensions/CustomScriptExtension

PublicSettings : {}
ProtectedSettings :
ProvisioningState : Succeeded
Statuses :
SubStatuses :
AutoUpgradeMinorVersion : True
ForceUpdateTag :

Example 4: Get properties of an extension using the VMObject parameter

```
$vm = Get-AzVM -ResourceGroupName "ResourceGroup11" -Name "VirtualMachine22"  
Get-AzVMExtension -VMObject $vm
```

ResourceGroupName : ResourceGroup11
VMName : VirtualMachine22
Name : CustomScriptExtension
Location : eastus
Etag : null
Publisher : Microsoft.Azure.Extensions
ExtensionType : CustomScript
TypeHandlerVersion : 2.0
Id : /subscriptions/xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxx/resourceGroups/ResourceGroup11
/providers/Microsoft.Compute/virtualMachines/VirtualMachine22/extensions/CustomScriptExtension
PublicSettings : {}
ProtectedSettings :
ProvisioningState : Succeeded
Statuses :
SubStatuses :
AutoUpgradeMinorVersion : True
ForceUpdateTag :

This command gets the list of extensions installed on the virtual machine named VirtualMachine22 in the resource group ResourceGroup11.

RELATED LINKS

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

[Remove-AzVMExtension](#)

[Set-AzVMExtension](#)