



Windows PowerShell Get-Help on Cmdlet 'New-AzStackHCIVMVirtualMachine'

PS:\>Get-HELP New-AzStackHCIVMVirtualMachine -Full

NAME

New-AzStackHCIVMVirtualMachine

SYNOPSIS

The operation to create or update a virtual machine.

Please note some properties can be set only during virtual machine creation.

SYNTAX

New-AzStackHCIVMVirtualMachine -Name <String> -ResourceGroupName <String> [-SubscriptionId <String>] -Location <String> -CustomLocationId <String> -OsType <String>

-ImageId <String> [-DynamicMemoryMaximumMemoryInMb <Int64>] [-DynamicMemoryMinimumMemoryInMb <Int64>] [-DynamicMemoryTargetBuffer <Int32>] [-VmMemoryInMB <Int64>]

[-VmProcessor <Int32>] [-VmSize <String>] [-IdentityType <String>] [-DisablePasswordAuthentication] [-ProvisionVMAGENT] [-ProvisionVMConfigAgent] [-NicId <String[]>]

[-NicName <String[]>] [-NicResourceGroup <String>] [-DataDiskId <String[]>] [-DataDiskName <String[]>] [-DataDiskResourceGroup <String>] [-AdminPassword <String>]

[-AdminUsername <String>] [-ComputerName <String>] [-EnableTpm] [-SshPublicKey <String[]>] [-StoragePathId <String>] [-StoragePathName <String>]

[-StoragePathResourceGroup <String>] [-SecureBootEnabled] [-EnableAutomaticUpdate] [-TimeZone <String>]

[-DefaultProfile <PSObject>] [-AsJob] [-Break]

[-HttpPipelineAppend <SendAsyncStep[]>] [-HttpPipelinePrepend <SendAsyncStep[]>] [-NoWait] [-Proxy <Uri>]

[-ProxyCredential <PSCredential>]

[-ProxyUseDefaultCredentials] [-WhatIf] [-Confirm] [<CommonParameters>]

New-AzStackHCIVMVirtualMachine -Name <String> -ResourceGroupName <String> [-SubscriptionId <String>] -Location
<String> -CustomLocationId <String> -OsType <String>

[-DynamicMemoryMaximumMemoryInMb <Int64>] [-DynamicMemoryMinimumMemoryInMb <Int64>]

[-DynamicMemoryTargetBuffer <Int32>] [-VmMemoryInMB <Int64>] [-VmProcessor

<Int32>] [-VmSize <String>] [-IdentityType <String>] [-DisablePasswordAuthentication] [-ProvisionVMAgent]

[-ProvisionVMConfigAgent] [-NicId <String[]>] [-NicName

<String[]>] [-NicResourceGroup <String>] [-DataDiskId <String[]>] [-DataDiskName <String[]>] [-DataDiskResourceGroup

<String>] [-AdminPassword <String>]

[-AdminUsername <String>] [-ComputerName <String>] [-EnableTpm] [-SshPublicKey <String[]>] [-StoragePathId
<String>] [-StoragePathName <String>]

[-StoragePathResourceGroup <String>] [-SecureBootEnabled] [-EnableAutomaticUpdate] [-TimeZone <String>]

-ImageName <String> [-ImageResourceGroup <String>]

[-DefaultProfile <PSObject>] [-AsJob] [-Break] [-HttpPipelineAppend <SendAsyncStep[]>] [-HttpPipelinePrepend
<SendAsyncStep[]>] [-NoWait] [-Proxy <Uri>]

[-ProxyCredential <PSCredential>] [-ProxyUseDefaultCredentials] [-WhatIf] [-Confirm] [<CommonParameters>]

New-AzStackHCIVMVirtualMachine -Name <String> -ResourceGroupName <String> [-SubscriptionId <String>] -Location
<String> -CustomLocationId <String> -OsType <String>

[-DynamicMemoryMaximumMemoryInMb <Int64>] [-DynamicMemoryMinimumMemoryInMb <Int64>]

[-DynamicMemoryTargetBuffer <Int32>] [-VmMemoryInMB <Int64>] [-VmProcessor

<Int32>] [-VmSize <String>] [-IdentityType <String>] [-DisablePasswordAuthentication] [-ProvisionVMAgent]

[-ProvisionVMConfigAgent] [-NicId <String[]>] [-NicName

<String[]>] [-NicResourceGroup <String>] [-DataDiskId <String[]>] [-DataDiskName <String[]>] [-DataDiskResourceGroup

<String>] [-AdminPassword <String>]

[-AdminUsername <String>] [-ComputerName <String>] [-EnableTpm] [-SshPublicKey <String[]>] [-StoragePathId
<String>] [-StoragePathName <String>]

[-StoragePathResourceGroup <String>] [-SecureBootEnabled] [-EnableAutomaticUpdate] [-TimeZone <String>]

-OSDiskId <String> [-DefaultProfile <PSObject>] [-AsJob]

```

[-Break] [-HttpPipelineAppend <SendAsyncStep[]>] [-HttpPipelinePrepend <SendAsyncStep[]>] [-NoWait] [-Proxy <Uri>]
[-ProxyCredential <PSCredential>]

[-ProxyUseDefaultCredentials] [-WhatIf] [-Confirm] [<CommonParameters>]

New-AzStackHCIVMVirtualMachine -Name <String> -ResourceGroupName <String> [-SubscriptionId <String>] -Location
<String> -CustomLocationId <String> -OsType <String>

[-DynamicMemoryMaximumMemoryInMb <Int64>] [-DynamicMemoryMinimumMemoryInMb <Int64>]
[-DynamicMemoryTargetBuffer <Int32>] [-VmMemoryInMB <Int64>] [-VmProcessor
<Int32>] [-VmSize <String>] [-IdentityType <String>] [-DisablePasswordAuthentication] [-ProvisionVMAgent]
[-ProvisionVMConfigAgent] [-NicId <String[]>] [-NicName
<String[]>] [-NicResourceGroup <String>] [-DataDiskId <String[]>] [-DataDiskName <String[]>] [-DataDiskResourceGroup
<String>] [-AdminPassword <String>]

[-AdminUsername <String>] [-ComputerName <String>] [-EnableTpm] [-SshPublicKey <String[]>] [-StoragePathId
<String>] [-StoragePathName <String>]

[-StoragePathResourceGroup <String>] [-SecureBootEnabled] [-EnableAutomaticUpdate] [-TimeZone <String>]
-OSDiskName <String> [-OSDiskResourceGroup <String>]

[-DefaultProfile <PSObject>] [-AsJob] [-Break] [-HttpPipelineAppend <SendAsyncStep[]>] [-HttpPipelinePrepend
<SendAsyncStep[]>] [-NoWait] [-Proxy <Uri>]

[-ProxyCredential <PSCredential>] [-ProxyUseDefaultCredentials] [-WhatIf] [-Confirm] [<CommonParameters>]

```

DESCRIPTION

The operation to create or update a virtual machine.

Please note some properties can be set only during virtual machine creation.

PARAMETERS

-Name <String>

Name of the virtual machine

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ResourceGroupName <String>

The name of the resource group.

The name is case insensitive.

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-SubscriptionId <String>

The ID of the target subscription.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-Location <String>

The geo-location where the resource lives

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-CustomLocationId <String>

The name of the extended location.

Required? true
Position? named
Default value
Accept pipeline input? false
Accept wildcard characters? false

-OsType <String>

OsType - string specifying whether the OS is Linux or Windows

Required? true
Position? named
Default value
Accept pipeline input? false
Accept wildcard characters? false

-ImageId <String>

Resource ID of the image to create the VM with.

Required? true
Position? named
Default value
Accept pipeline input? false
Accept wildcard characters? false

-DynamicMemoryMaximumMemoryInMb <Int64>

Maximum Dynamic Memory

Required? false
Position? named
Default value 0
Accept pipeline input? false
Accept wildcard characters? false

-DynamicMemoryMinimumMemoryInMb <Int64>

Minimum Dynamic Memory

Required? false

Position? named

Default value 0

Accept pipeline input? false

Accept wildcard characters? false

-DynamicMemoryTargetBuffer <Int32>

Defines the amount of extra memory that should be reserved for a virtual machine at runtime, as a percentage of the total memory that the virtual machine is thought to need.

This only applies to virtual systems with dynamic memory enabled.

This property can be in the range of 5 to 2000.

Required? false

Position? named

Default value 0

Accept pipeline input? false

Accept wildcard characters? false

-VmMemoryInMB <Int64>

RAM in MB for the virtual machine

Required? false

Position? named

Default value 0

Accept pipeline input? false

Accept wildcard characters? false

-VmProcessor <Int32>

Number of processors for the virtual machine

Required? false
Position? named
Default value 0
Accept pipeline input? false
Accept wildcard characters? false

-VmSize <String>

Size of the VM.
Can be a Predefined size or Custom.

	Possible	Predefined	Sizes	include	-
Custom,Standard_A2_v2,Standard_A4_v2,Standard_D16s_v3,Standard_D2s_v3,Standard_D32s_v3,Standard_D4s_v3,Standard_D8s_v3,Standard_DS13_v2,Standard_DS2_v2,Standard_DS3_v2,Standard_DS4_v2,Standard_DS5_v2,Standard_K8S2_v1,Standard_K8S3_v1,Standard_K8S4_v1,Standard_K8S5_v1,Standard_K8S_v1,Standard_NK12,Standard_NK6,Standard_NV12, StandardNv6					

Required? false
Position? named
Default value
Accept pipeline input? false
Accept wildcard characters? false

-IdentityType <String>

The identity type.

Required? false
Position? named
Default value
Accept pipeline input? false
Accept wildcard characters? false

-DisablePasswordAuthentication [<SwitchParameter>]

DisablePasswordAuthentication - whether password authentication should be disabled

Required? false

Position? named

Default value False

Accept pipeline input? false

Accept wildcard characters? false

-ProvisionVMAgent [<SwitchParameter>]

Used??_to indicate whether Arc for Servers agent onboarding should be triggered during the virtual machine creation process.

VM Agent is provisioned by default.

Please pass -ProvisionVMAgent:\$false to disable.

Required? false

Position? named

Default value False

Accept pipeline input? false

Accept wildcard characters? false

-ProvisionVMConfigAgent [<SwitchParameter>]

Indicates whether virtual machine configuration agent should be provisioned on the virtual machine.

When this property is not specified, default behavior is to set it to true.

VM Config Agent is provisioned by default.

Please pass -ProvisionVMConfigAgent:\$false to disable.

Required? false

Position? named

Default value False

Accept pipeline input? false

Accept wildcard characters? false

-NicId <String[]>

NetworkInterfaces - list of network interfaces to be attached to the virtual machine in ARM Id format.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-NicName <String[]>

NetworkInterfaces - list of network interfaces to be attached to the virtual machine in name format.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-NicResourceGroup <String>

NetworkInterfaces - Resource Group of Network Interfaces.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-DataDiskId <String[]>

Data Disks - List of data disks to be attached to the virtual machine in id format.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-DataDiskName <String[]>

Data Disks - List of data disks to be attached to the virtual machine in name format .

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-DataDiskResourceGroup <String>

Data Disks - Resource Group of Data Disks.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-AdminPassword <String>

AdminPassword - admin password

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-AdminUsername <String>

AdminUsername - admin username

Required? false
Position? named
Default value
Accept pipeline input? false
Accept wildcard characters? false

-ComputerName <String>

ComputerName - name of the computer

Required? false
Position? named
Default value
Accept pipeline input? false
Accept wildcard characters? false

-EnableTpm [<SwitchParameter>]

Used to indicate whether or not to enable TPM

Required? false
Position? named
Default value False
Accept pipeline input? false
Accept wildcard characters? false

-SshPublicKey <String[]>

PublicKeys - The list of SSH public keys used to authenticate with VMs

Required? false
Position? named
Default value
Accept pipeline input? false
Accept wildcard characters? false

-StoragePathId <String>

Id of the storage container that hosts the VM configuration file

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-StoragePathName <String>

Name of the storage container that hosts the VM configuration file

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-StoragePathResourceGroup <String>

Storage Container resource group.

The resource group of the virtual machine will be used if this value is not provided.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-SecureBootEnabled [<SwitchParameter>]

Specifies whether secure boot should be enabled on the virtual machine.

Required? false

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

-EnableAutomaticUpdate [<SwitchParameter>]

Specifies Whether to EnableAutomaticUpdates on the machine.

Required? false
Position? named
Default value False
Accept pipeline input? false
Accept wildcard characters? false

-TimeZone <String>

TimeZone for the virtual machine

Required? false
Position? named
Default value
Accept pipeline input? false
Accept wildcard characters? false

-ImageName <String>

Name of the image to create the VM with.

Required? true
Position? named
Default value
Accept pipeline input? false
Accept wildcard characters? false

-ImageResourceGroup <String>

Resource group of the image to create the VM from.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-OSDiskId <String>

Resource ID of the OS disk

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-OSDiskName <String>

Name of the OS disk

Required? true

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-OSDiskResourceGroup <String>

Resource Group of the OS disk

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-DefaultProfile <PSObject>

The credentials, account, tenant, and subscription used for communication with Azure.

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-AsJob [<SwitchParameter>]

Run the command as a job

Required? false

Position? named

Default value False

Accept pipeline input? false

Accept wildcard characters? false

-Break [<SwitchParameter>]

Wait for .NET debugger to attach

Required? false

Position? named

Default value False

Accept pipeline input? false

Accept wildcard characters? false

-HttpPipelineAppend <SendAsyncStep[]>

SendAsync Pipeline Steps to be appended to the front of the pipeline

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-HttpPipelinePrepend <SendAsyncStep[]>

SendAsync Pipeline Steps to be prepended to the front of the pipeline

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-NoWait [<SwitchParameter>]

Run the command asynchronously

Required? false

Position? named

Default value False

Accept pipeline input? false

Accept wildcard characters? false

-Proxy <Uri>

The URI for the proxy server to use

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ProxyCredential <PSCredential>

Credentials for a proxy server to use for the remote call

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-ProxyUseDefaultCredentials [<SwitchParameter>]

Use the default credentials for the proxy

Required? false

Position? named

Default value False

Accept pipeline input? false

Accept wildcard characters? false

-WhatIf [<SwitchParameter>]

Required? false

Position? named

Default value

Accept pipeline input? false

Accept wildcard characters? false

-Confirm [<SwitchParameter>]

Required? false

Position? named

Default value

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

OUTPUTS

Microsoft.Azure.PowerShell.Cmdlets.StackHCIVM.Models.IVirtualMachineInstance

----- EXAMPLE 1 -----

```
PS C:\>New-AzStackHCIVMVirtualMachine -Name "testVm" -OsType "Linux" -ImageName "testImage" -VmSize
"Standard_K8S_v1" -AdminUsername "localadmin" -ComputerName
"testVm" -ResourceGroupName "test-rg" -CustomLocationId
"/subscriptions/{subscriptionID}/resourcegroups/{resourceGroupName}/providers/microsoft.extendedlocation/customlocation
s/{customLocationName}" -Location "eastus"
```

----- EXAMPLE 2 -----

```
PS C:\>New-AzStackHCIVMVirtualMachine -Name "testVm" -OsType "Linux" -OsDiskName "testOsDisk" -VmSize
"Standard_K8S_v1" -AdminUsername "localadmin" -ComputerName
"testVm" -ResourceGroupName "test-rg" -CustomLocationId
"/subscriptions/{subscriptionID}/resourcegroups/{resourceGroupName}/providers/microsoft.extendedlocation/customlocation
```

s/{customLocationName}" -Location "eastus"

RELATED LINKS

<https://learn.microsoft.com/powershell/module/az.stackhcvm/new-azstackhcvmvirtualmachine>