



## VMware VM Tasks

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# Add Raw Device VM Disk

## Summary

Add a LUN as an RDM disk to a VM.

## Description

This task adds a LUN as an RDM disk to a VM. Inputs include:

- VM: Select the VM for which to add a raw device as a disk.
- LUN: Select the LUN that is mapped with the ESXi host. The ESXi Host is identified based on the selected VM. This task input can also be mapped with input type LUN\_NAA\_ID.
- Compatibility Mode: Virtual Compatibility Mode makes an RDM behave exactly like a virtual disk file, including the use of snapshots. Physical Compatibility Mode enables direct access of the SCSI device for those applications that need lower level control.
- Virtual Device Node: Select the virtual device node.

## Inputs

Input	Description	Mappable To Type	Mandatory
Select VM	Select the VM for which to add Raw device as disk.	vm	Y
Select Target LUN	Select LUN for mapping to VM Disk.	vmwareHostNodeSCSILUN	Y
Compatibility Mode	Select Compatibility Mode.	vmwareDiskRawDeviceCompatibilityMode	
Virtual Device Node	Select Virtual Device Node.	vmwareVirtualDeviceNode	

## Outputs

Output	Description	Type
OUTPUT_VM_ID	ID of the VM on which the selected operation was performed	vm
OUTPUT_VM_DISK_LABEL	VM Disk Label	gen_text_input

# Assign VMs to VDC

**Summary****Description****Inputs**

Input	Description	Mappable To Type	Mandatory
Account Name	Select cloud name.	vmwareAccountName	Y
Select VM	Select the VM	multiVM	Y
vDC Name	Select vDC to which VMs to migrated	vDC	Y

**Outputs**

No Outputs
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# Assign VMware Image to Group

## Summary

Assign VMware image to group.

## Description

This task assigns a VMware image to a group.

## Inputs

Input	Description	Mappable To Type	Mandatory
Image	Select the image.	image	Y
Assign To Users	Select this option to allow resource assignment to users.		
User Group ID	Select the group to assign to resource pool.	gen_text_input	Y
Comments	Enter comments	gen_text_input	

## Outputs

Output	Description	Type
OUTPUT_GROUP_ID	Group ID	userGroup
IMAGE_NAME	Name of the Template on which the selected operation was performed	gen_text_input
OUTPUT_VMWARE_IMAGE_IDENTITY	Image identity	image

# Clone VM as Image

## Summary

Creates an image from a virtual machine.

## Description

This task creates an image from a VM. This task can be used to clone the behavior of an existing VM. The output of this task is an image name.

## Inputs

Input	Description	Mappable To Type	Mandatory
Select VM	Select the VM from which image is cloned	vm	Y
Name for the Image	Name for the Image (may include template parameters)	gen_text_input	
Assign Image To Group	Select this option to assign newly created image to particular group	gen_text_input	
Group ID	Image will be associated to selected group	gen_text_input	

## Outputs

Output	Description	Type
IMAGE_NAME	Name of the Template on which the selected operation was performed	gen_text_input
OUTPUT_GROUP_ID	Group ID	userGroup
OUTPUT_VMWARE_IMAGE_IDENTITY	Image identity	image

# Convert VM as Image

## Summary

Converts a VM to an image.

## Description

This task converts an existing VM to an image. After converting a VM to an image, the VM no longer exists. The output of this task is an image name, that was converted from a VM.

## Inputs

Input	Description	Mappable To Type	Mandatory
Select VM	Select the VM which is converted to template	vm	Y
Assign Image To Group	Select this option to assign newly created image to particular group	gen_text_input	
Group ID	Image will be associated to selected group	gen_text_input	

## Outputs

Output	Description	Type
IMAGE_NAME	Name of the Template on which the selected operation was performed	gen_text_input
OUTPUT_GROUP_ID	Group ID	userGroup

# Convert VMware Image to VM

## Summary

Converts an image to a VM.

## Description

This task converts an existing image to a VM. After converting an image to VM, the image no longer exists. The output of this task is a VM name, that was converted from an image.

## Inputs

Input	Description	Mappable To Type	Mandatory
Select Image	Select the Image which will be converted to VM	image	Y
Assign VM	Select this option to assign vm to particular group	Boolean	
vDC	Virtual Data Center (cannot be a container)	vDC	
Category	VM Category	vdcCategory	
VM User Label	VM User Label	gen_text_input	
Set Provision Time	Select this to set VM Provision Time to the specified time.	Boolean	
Provision Date/Time	VM Provision time will be set to specified time	date_time	
Comments	Comments	gen_text_input	

## Outputs

Output	Description	Type
OUTPUT_VM_ID	ID of the VM on which the selected operation was performed	vm



# Create VM Disk

## Summary

Creates a new virtual disk for the VM.

## Description

This creates a virtual hard disk as a storage device in a specified datastore for the VM. The Virtual hard disk can be created on the same datastore on which VM is configured or on a different datastore.

## Inputs

Input	Description	Mappable To Type	Mandatory
Select VM	Select the VM for which disk need to be created	vm	Y
Disk Size (GB)	Enter size of the disk	gen_text_input	Y
Select Disk Type	Select Disk Type	DiskType	
Select Datastore/Datastore Cluster	Select Datastore/Datastore Cluster	DatastoreOrDatastore Cluster	
Select Datastore	Select a datastore name	dataStoreName	
Select Datastore Cluster	Select a datastore cluster name	dataStoreClusterName	
Thin Provisioning	Do you want to allocate and commit space on demand?		

## Outputs

No Outputs

# Create VM Snapshot

## Summary

Creates a snapshot of a Virtual Machine.

## Description

This task backs up an existing VM as a snapshot for use as backup in case of failure. Output of this task is the name of the snapshot that was created.

## Inputs

Input	Description	Mappable To Type	Mandatory
Select VM	Select the VM for which snapshot need to be created	vm	Y
Snapshot Name	Name of the snapshot	gen_text_input	Y
Snapshot Memory	Whether to do a snapshot of memory		
Quiesce Filesystem	Whether to quiesce file system		

## Outputs

Output	Description	Type
SNAPSHOT_NAME	Name of the Snapshot on which the selected operation was performed	gen_text_input
OUTPUT_VM_ID	ID of the VM on which the selected operation was performed	vm

# Delete Multiple VMware VM

**Summary**

Delete multiple VMware VMs.

**Description**

This task deletes one or more VMware VMs.

**Inputs**

Input	Description	Mappable To Type	Mandatory
Select VMs	Select the VMs to be deleted	multiVM	Y

**Outputs**

Output	Description	Type
OUTPUT_VM_ID	ID of the VM on which the selected operation was performed	vm

# Delete VM Disk

**Summary**

Deletes a virtual disk for the VM.

**Description**

This task deletes the specified virtual hard disk for the VM.

**Inputs**

Input	Description	Mappable To Type	Mandatory
Select VM	Select the VM for which disk need to be deleted	vm	Y
Select Disk Name	Select a disk name	gen_text_input	

**Outputs**

No Outputs

# Delete VMWare VM Snapshot

## Summary

Delete a snapshot of Virtual Machine.

## Description

This task deletes an existing snapshot of a VM. Use this task to clean up old snapshots to free up disk space. Over time when lots of snapshots are created, older or unwanted snapshots can be deleted to free up disk space.

## Inputs

Input	Description	Mappable To Type	Mandatory
Select VM	Select the VM to delete a snapshot	vm	Y
Snapshot Name	Name of the snapshot to be deleted	gen_text_input	Y
Delete Children	Deletes all children of the selected snapshot also		

## Outputs

Output	Description	Type
SNAPSHOT_NAME	Name of the Snapshot on which the selected operation was performed	gen_text_input
OUTPUT_VM_ID	ID of the VM on which the selected operation was performed	vm

# Delete VMware Image

**Summary**

Deletes a VMware image.

**Description**

This task deletes a VMware image.

**Inputs**

Input	Description	Mappable To Type	Mandatory
Select Image	Select the Image to be deleted	image	Y

**Outputs**

Output	Description	Type
IMAGE_NAME	Name of the Template on which the selected operation was performed	gen_text_input

# Delete VMware VM

**Summary**

Deletes a VMware VM.

**Description**

This task deletes a VMware VM.

**Inputs**

Input	Description	Mappable To Type	Mandatory
Select VM	Select the VM to be deleted	vm	Y

**Outputs**

Output	Description	Type
OUTPUT_VM_ID	ID of the VM on which the selected operation was performed	vm

# Delete all VMware VM Snapshots

## Summary

Delete all the snapshots of a Virtual Machine.

## Description

This task deletes all the snapshots of a VM.

## Inputs

Input	Description	Mappable To Type	Mandatory
Select VM	Select the VM to delete all snapshots	vm	Y

## Outputs

No Outputs



# Execute VIX Script

## Summary

Executes the VIX script to handle Guest OS commands.

## Description

This task executes commands on the guest OS. You can configure parameters in the guest OS using the script commands. If the command parameters contain variables such as `${variable}` then the command must escape backslashes using four backslashes `\\\\" instead of two. '\'. For example:`

`c:\sqlinstall\install.cmd ${SQL_INSTANCE_NAME}` must be passed as `c:\\\\sqlinstall\\\\install.cmd ${SQL_INSTANCE_NAME}`. The output of this task is the status code of the VIX script. In a windows VM, when Output display and Invoke Guest Operations API are both set to false, then you must provide the `/c` flag in the script input. If the `/c` flag is missing under those conditions, then the task is blocked and UCSD times out. If Output display is false and Invoke Guest Operations API is true, then the task fails with error code -1.

## Inputs

Input	Description	Mappable To Type	Mandatory
Select VM	Select the VM on which to execute the VIX Action	vm	Y
Credential Type	Credential Type		Y
Login	Login	gen_text_input	
Password	Password	password	
Script	Script		Y
Undo Script	Undo Script		
Error Codes	Enter comma separated error codes	gen_text_input	
Output Display	Output Display	gen_text_input	Y
Invoke Guest Operations API	Invoke Guest Operations API	gen_text_input	

## Outputs

Output	Description	Type
EXIT_STATUS_CODE	Exit Status code of VIX Script	gen_text_input
ERROR_STATUS_MESSAGE	Failure Message of VIX Script	gen_text_input

# Execute VM Command

## Summary

Executes a command on the VM.

## Description

The task executes a command on the selected VM. You must provide the command path and command arguments.

## Inputs

Input	Description	Mappable To Type	Mandatory
Select VM	Select the VM for which command to be run.	vm	Y
User Name	Enter VM login user name.		Y
Password	Enter VM login password.		Y
Command Path	Enter command path.	gen_text_input	Y
Command Arguments	Enter command arguments.	gen_text_input	

## Outputs

No Outputs

# File Explorer

## Summary

Uploads or downloads a file to or from the VM.

## Description

The task uploads a file to the VM or downloads a file from the VM.

## Inputs

Input	Description	Mappable To Type	Mandatory
Select VM	Select the VM for which filer operation like upload/download need to be done.	vm	Y
User Name	Enter VM login user name.		Y
Password	Enter VM login password.		Y
File Upload	Select option to upload file.		
Local File Path	Select path of the local file.	gen_text_input	
Guest File Path	Select path of the VM Guest file.	gen_text_input	
File Download	Select option to download file.		
Guest File Path	Select path of the VM Guest file.	gen_text_input	
Local Download Location	Select path of the local file.	gen_text_input	

## Outputs

Output	Description	Type
OUTPUT_VM_ID	ID of the VM on which the selected operation was performed	vm
OUTPUT_UPLOAD_TO_VM_FILE_PATH	Uploaded File Path	gen_text_input
OUTPUT_UPLOAD_TO_VM_FILE_NAME	Uploaded File Name	gen_text_input
OUTPUT_DOWNLOAD_FROM_VM_FILE_PATH	Downloaded File Path	gen_text_input
OUTPUT_DOWNLOAD_FROM_VM_FILE_NAME	Downloaded File Name	gen_text_input

# Guest Operations

## Summary

Execute guest operations to handle a guest OS.

## Description

This task executes commands in a guest OS. You can configure parameters in a guest OS using script commands. If the command parameters contain variables such as `${variable}` then the command must escape backslashes using four backslashes '\\\\' instead of two. '\\'. For example: `c:\sqlinstall\install.cmd`  `${SQL_INSTANCE_NAME}` must be passed as `c:\\\\sqlinstall\\\\install.cmd`  `${SQL_INSTANCE_NAME}`. You can upload a file to the guest and execute the uploaded file. The outputs of this task include status code, error messages, and command output.

## Inputs

Input	Description	Mappable To Type	Mandatory
Select VM	Select the VM for which command to be run.	vm	Y
User Name	Enter VM login user name.	gen_text_input	Y
Password	Enter VM login password.	password	Y
OS Type	Select Guest OS Type	vmwareGuestOSTypeList	Y
Guest Operations	Select action to perform action on Guest	vmwareVIXGuestOperationList	
Upload File	Select file that needs to be uploaded to Guest	fileUpload	
Guest OS Folder Path	Enter Guest Guest OS Folder Path to which the files must be uploaded. Example folder Paths: Windows[C:\UCSDGuestFiles\], Linux[/tmp/UCSDGuestFiles/].	gen_text_input	
Wait Time To Complete(seconds)	Enter wait time for VMWare Guest operation to complete.	gen_text_input	
Executable Path and Options	Based on the executor path this task decides whether to execute through powershell or batch script. we can provide options along with Executor Path. Example:PowerShell Path [C:\Windows\System32\WindowsPowerShell\v1.0\PowerShell.exe]. CommandLine Path[C:\WINDOWS\system32\cmd.exe]	gen_text_input	
Command Path	Enter command path.	gen_text_input	
Undo Script	Undo Script for rollback	gen_text_input	
Error Codes	Enter comma seperated error codes	gen_text_input	

## Outputs

Output	Description	Type
EXIT_STATUS_CODE	Exit status code of Guest Operations script	gen_text_input

<b>Output</b>	<b>Description</b>	<b>Type</b>
ERROR_STATUS_MESSAGE	Failure message of Guest Operations script	gen_text_input
COMMAND_OUTPUT	Command Output of Guest Operations script	gen_text_input

# Guest Setup

## Summary

Resets the Guest OS root password.

## Description

This task resets the root password on the Guest OS of the VM. The output of this task is a reset root password.

## Inputs

Input	Description	Mappable To Type	Mandatory
Select VM	Select the VM to perform the Guest Setup action	vm	Y
Credential Options	Credential Options	gen_text_input	
User ID	VM User ID	vm_userID	Y
Password	VM Password	vm_password	Y

## Outputs

Output	Description	Type
NEW_PASSWORD	New password	password

# Import OVF to VMware Cloud

## Summary

Import an OVF image to a VMware cloud

## Description

This task imports OVF packages into the UCS Director system. For example, you can create a virtual machine within VMware and export it into an OVF package for installation, either within your organization or for distribution to other organizations. An OVF package consists of pre configured virtual machines that package applications with the operating system that they require. This task supports both files uploaded to UCS Director and HTTP URLs such as "http://222.11.22.111/Release/month/test\_OVF.ovf". UCS Director uses this task to import virtual machines packaged in OVF format into the vCenter VMware Cloud. The output of this task is a virtual machine created on the vCenter VMware Cloud.

## Inputs

Input	Description	Mappable To Type	Mandatory
Select vDC	Select vDC on which to perform the action	vDC	Y
Select file from Appliance Storage	Select file from Appliance Storage		
OVF File	OVF File	gen_text_input	Y
OVF URL	OVF URL	gen_text_input	Y
VM Name	Unique VM Name	gen_text_input	
Username	User Name	gen_text_input	
Password	Password	password	
Enable Guest Customization	Enable Guest Customization	Boolean	

## Outputs

Output	Description	Type
OUTPUT_VM_ID	ID of the VM on which the selected operation was performed	vm
OUTPUT_OVF_VM_OSTYPE	VM OS Type	gen_text_input
OUTPUT_OVF_VM_NICS	VM NICs	gen_text_input
OUTPUT_OVF_USERNAME	OVF Username	gen_text_input
OUTPUT_OVF_PASSWORD	OVF Password	password
OUTPUT_OVF_VM_VCPU	No of vCPUs	gen_text_input
OUTPUT_OVF_VM_MEMORYMB	Memory(MB)	gen_text_input
OUTPUT_OVF_VM_DISKGB	Disk(GB)	gen_text_input
OUTPUT_VMWARE_ACCOUNT_NAME	VMware account name.	gen_text_input

# Mark/Unmark VMware VM As Golden Snapshot

## Summary

Mark or Unmark a snapshot as a golden snapshot.

## Description

This task adds or removes the "golden snapshot" designation to a snapshot. A golden snapshot cannot be deleted. To delete a golden snapshot, revert it back to non-golden. Output of this task is the name of the snapshot whose status was changed.

## Inputs

Input	Description	Mappable To Type	Mandatory
Select VM	Select the VM to mark a snapshot as golden snapshot	vm	Y
Name of the snapshot	Name of the snapshot to be marked as golden snapshot	gen_text_input	Y
Mark As Golden Snapshot	Mark or Unmark the selected snapshot as golden snapshot.		

## Outputs

No Outputs



# Migrate VMWare VM

## Summary

Migrates a VM to a new host or a new datastore.

## Description

This task migrates a VM to a new host, a new datastore, or to both a new host and a new datastore.

## Inputs

Input	Description	Mappable To Type	Mandatory
Account Name	Select the cloud name to migrate the Account Name	vmwareAccountName	Y
Select VM	Select the VM to be migrated	vm	Y
Migration Type	Change the virtual machine's host, datastore or both	vmwareMigrationType Selector	Y
Host Node	The hostnode where the VM need to be migrated to	vmwareHostNodeIdentity	
Datastore	Select the datastore where the VM need to be migrated to	dataStoreName	
Modify Networks	Modify source VM networks to target host networks	Boolean	
VM Networks	select one or more networks	VMMigrateNetworksList	

## Outputs

Output	Description	Type
OUTPUT_VM_ID	ID of the VM on which the selected operation was performed	vm

# Provision new VMware VM

## Summary

Provision a new VM.

## Description

This task provisions a new VM using an ISO Image.

## Inputs

Input	Description	Mappable To Type	Mandatory
Select Catalog	Select Catalog on which to perform the action	catalog	Y
Select vDC	Select vDC on which to perform the action	vDC	Y
VM Name	Unique VM Name	gen_text_input	
Guest OS	Guest OS Identifier	VMWareGuestOsToISOMappingList	Y
Number of vCPUs	Number of vCPUs to allocate	vCPUCount	
Cores Per Socket	Cores per Socket	coresPerSocket	
Memory	Amount of memory to allocate	memSizeMB	
Disk	Amount of disk to allocate	diskSizeGB	
Category	This selection will override the catalog category	ucsdApplicationCategory	
Storage Tier	Storage Tier	storageTierPolicy	
Disk Datastores	Disk Datastores		
Override Datastore and Size		ISODiskDatastoreOverride	
VM Disks	Enter Disk Datastores information in JSON Format	gen_text_input	

## Outputs

Output	Description	Type
PROVISIONED_VM_ID	ID of provisioned virtual machine	vm
ISO_IMAGE_PATH	ISO Image Path which is used for CDROM Mounting	gen_text_input

# Remove VMWare VM CD/DVD Drive

**Summary**

VM Remove a CD or DVD Drive.

**Description**

This task removes a VMware CD or DVD drive.

**Inputs**

Input	Description	Mappable To Type	Mandatory
Select VM	Select the VM for which iso image need to be unmounted	vm	Y
Unit No	Select the unit no of CD/DVD Drive which needs to be removed	gen_text_input	Y
Controller Key	Select the controller key of CD/DVD Drive which needs to be removed	gen_text_input	Y

**Outputs**

Output	Description	Type
OUTPUT_VM_ID	ID of the VM on which the selected operation was performed	vm

# Resize VM Memory and CPU

## Summary

Reconfigures the memory size and the CPU size of virtual machine .

## Description

This task modifies the VM's memory size and CPU size. You can reconfigure the VM's resources depending upon your requirements.

## Inputs

Input	Description	Mappable To Type	Mandatory
Select VM	Select the on which to perform the action	vm	Y
Number of vCPUs	Number of vCPUs to allocate	vCPUCount	
Cores Per Socket	Cores Per Socket	coresPerSocket	
Memory	Amount of memory to allocate	memSizeMB	

## Outputs

No Outputs

# Resize VMWare Generic Datastore

## Summary

## Description

## Inputs

Input	Description	Mappable To Type	Mandatory
Datastore Association	Select the VM association status for the Datastore for which resize needs to be done	DataStore Association	Y
Select VM	Optionally select a VM for resizing the storage on	vm	Y
Datastore Name	Datastore Name	vmwareDatastoreAccount Identity	Y
Storage Size (GB)	Storage Size (GB)	dataStoreSize	Y

## Outputs

No Outputs

# Resize VMWare VM Disk

**Summary**

Reconfigures the disk size of a virtual machine.

**Description**

This task modifies the VM's disk size. You can reconfigure the VM's disk size depending upon your requirements.

**Inputs**

Input	Description	Mappable To Type	Mandatory
Select VM	Select the VM for which to be resized	vm	Y
Select Disk	VM Disk	gen_text_input	Y
Total Provisioned (GB)	VM Disk	gen_text_input	
New Disk Size (GB)	New Disk Size of the VM	gen_text_input	Y

**Outputs**

No Outputs

# Resync VMware VM

## Summary

Resyncs a VM.

## Description

This task resyncs or refreshes a VM and gets the latest updates on the VM.

## Inputs

Input	Description	Mappable To Type	Mandatory
Select VM	Select the VM to wait for network status	vm	Y
Max Wait Time (minutes)	Max Wait Time in minutes		Y

## Outputs

Output	Description	Type
VM_ID	VMID of the Selected VM	gen_text_input
VM_NAME	Name of the Selected VM	gen_text_input
VM_ACCOUNTNAME	Account Name of the Selected VM	accountName
VM_PRIMARYIP	Primary IP Address of the VM	ipaddress
VM_HOST	Host Name of the selected VM	vmHost
VM_STATUS	Status the VM	gen_text_input
VM_NUM_NICS	Number of NICS on the VM	gen_text_input
VM_NIC_NAME_0	Name of the NIC0	gen_text_input
VM_NIC_PORTGROUP_0	Portgroup of the NIC0	gen_text_input
VM_NIC_IP_0	IP Address of the NIC0	ipaddress
VM_NIC_NAME_1	Name of the NIC1	gen_text_input
VM_NIC_PORTGROUP_1	Portgroup of the NIC1	gen_text_input
VM_NIC_IP_1	IP Address of the NIC1	ipaddress
VM_NIC_NAME_2	Name of the NIC2	gen_text_input
VM_NIC_PORTGROUP_2	Portgroup of the NIC2	gen_text_input
VM_NIC_IP_2	IP Address of the NIC2	ipaddress
VM_NIC_NAME_3	Name of the NIC3	gen_text_input
VM_NIC_PORTGROUP_3	Portgroup of the NIC3	gen_text_input
VM_NIC_IP_3	IP Address of the NIC3	ipaddress

# Revert VM Snapshot

## Summary

Revert a VM to a snapshot.

## Description

This task reverts a VM to a user-specified snapshot. Use this task when a VM is corrupted or there is loss of data to revert to any of the VM's snapshots.

## Inputs

Input	Description	Mappable To Type	Mandatory
Select VM	Select the VM on which to perform snapshot revert action	vm	Y
Snapshot Name	Name of the snapshot	gen_text_input	Y

## Outputs

Output	Description	Type
SNAPSHOT_NAME	Name of the Snapshot on which the selected operation was performed	gen_text_input
OUTPUT_VM_ID	ID of the VM on which the selected operation was performed	vm



# Save VMware VM as Template

## Summary

Create a template from a virtual machine.

## Description

This task creates a template from a VM. This task can be used to clone the behavior of an existing VM. The output of this task is a template name.

## Inputs

Input	Description	Mappable To Type	Mandatory
Select VM	Select the VM which should be saved as template	vm	Y
Name for the Template	Name for the Template (may include template parameters)	gen_text_input	
Publish to Catalog	When checked published as a catalog item to the initiating user group, incase of admin it is applied to all groups.		

## Outputs

Output	Description	Type
IMAGE_NAME	Name of the Template on which the selected operation was performed	gen_text_input
OUTPUT_CATALOG_ID	ID of the Catalog on which the selected operation was performed	catalog

# Sync Subscribed Content Library

**Summary**

Synchronizes a subscribed content library.

**Description**

This task synchronizes the selected subscribed content library in the virtual account.

**Inputs**

Input	Description	Mappable To Type	Mandatory
Account Name		vmwareAccountName	Y
Select content Library	Select content Library	CONTENT_LIBRARY_ IDENTITY_OPTION	Y

**Outputs**

No Outputs

# Unassign VMware Image from Group

**Summary**

Unassign VMware image from group.

**Description**

This task unassigns a VMware image from a group.

**Inputs**

Input	Description	Mappable To Type	Mandatory
Image	Select the image.	image	Y

**Outputs**

No Outputs

# VM Configure VNC

**Summary**

Configures VNC on the VM.

**Description**

This task configures VNC console access on a VM.

**Inputs**

Input	Description	Mappable To Type	Mandatory
Select VM	Select the on which to perform VNC action	vm	Y
Keyboard Mapping	Select the Keyboard Mapping	vmwareVmVNCKeyBoard Map	

**Outputs**

No Outputs

# VM Disable VNC

**Summary**

Disables VNC console access.

**Description**

This task disables VNC Console access to the VM.

**Inputs**

Input	Description	Mappable To Type	Mandatory
Select VM	Select the on which to perform VNC action	vm	Y

**Outputs**

No Outputs
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# VMware - Add Annotation To VMs

## Summary

VMware - Add Annotation To VMs.

## Description

This task adds annotations to VMs. Note: Custom attributes apply to all virtual machines in the inventory.

## Inputs

Input	Description	Mappable To Type	Mandatory
Select VMs	Select the VMs for which annotation need to be added	multiVM	Y
Annotation Label	Enter annotation label	gen_text_input	Y
Annotation Value	Enter annotation value	gen_text_input	Y

## Outputs

Output	Description	Type
OUTPUT_VM_ID	ID of virtual machine	vm

# VMware - Get Snapshots

## Summary

Get the Snapshot information.

## Description

This task lists all the snapshots information for the selected VM Template.

## Inputs

Input	Description	Mappable To Type	Mandatory
VM Template	Select VM Template.	image	Y

## Outputs

Output	Description	Type
OUTPUT_VMWARE_IMAGE_IDENTITY	Image identity	image
OUTPUT_VMWARE_CURRENT_SNAPSHOT_KEY	VMware Snapshot Key.	gen_text_input
OUTPUT_VMWARE_CURRENT_SNAPSHOT_NAME	VMware Snapshot Name.	gen_text_input
OUTPUT_VMWARE_ADDITIONAL_SNAPSHOT_ALL	VMware Additional Snapshot Info.	gen_text_input
OUTPUT_VMWARE_ADDITIONAL_SNAPSHOT_1	VMware Additional Snapshot 1.	gen_text_input
OUTPUT_VMWARE_ADDITIONAL_SNAPSHOT_2	VMware Additional Snapshot 2.	gen_text_input
OUTPUT_VMWARE_ADDITIONAL_SNAPSHOT_3	VMware Additional Snapshot 3.	gen_text_input
OUTPUT_VMWARE_ADDITIONAL_SNAPSHOT_4	VMware Additional Snapshot 4.	gen_text_input

# VMware - Guest Customization

## Summary

Apply Guest Customization on a VM.

## Description

This task helps to apply Guest Customization on a provisioned VM. Customization will be applied when the VM is powered on.

## Inputs

Input	Description
Select VM	Select the VM to retrieve the properties
VM Image Type	VM Image Type
Guest OS Host Name	Guest OS Host Name
DNS Domain	The IP domain to use for the VM, Ex :cisco
DNS Suffix List	DNS suffixes to configure for the DNS lookup. Use commas to separate multiple entries.
DNS Server List	The list of DNS server IP addresses. Use commas to separate multiple entries.
Linux Time Zone	Time Zone to be customized for Linux VM
Windows Parameters (applicable only for Windows)	Windows Only
Product ID	The Windows product ID or license key .The key is mandatory here otherwise customization w
License Owner Name	Full name of license owner
Organization	Name of the organization
License Mode	License Mode
Number of License Users	Number of license users for the OS
Primary WINS	Primary WIN Server
Secondary WINS	Secondary WIN Server
Auto Logon	Automatically logon after system powers.
Auto Logon Count	Automatically logon for the number of times as specified.
Administrator Password	Password used for Auto Logon and system deployment.
Windows Time Zone	Time Zone to be customized for Windows VM
Domain/Workgroup	Belongs to a Windows domain or workgroup?



Input	Description
Workgroup	Specify Workgroup name.
Domain	Domain.
Domain Username	Domain Username
Domain Password	Domain Password
Validate Guest Customization	Guest Customization needs to be validated?
Validation Max Wait Time (mins)	Max Wait Time to Validate Guest Customization
Power On	Select Power On to apply customization
NIC Configuration	Enter the VM Networks with comma (,) separated in specific text format - @@@@ Ex-NIC1@Flexible@vswitch1@portgroup@static@IPv4@172.1.1.1@255.255.255.1@17 NIC2@Flexible@dvswitch1@dvportgroup@static@IPv6@0:0:0:0:FFFF:AC01:0101@0: NIC3@Flexible@dvswitch3@portgroup3@static@Both@172.1.1.1@255.255.255.1@172 1@0:0:0:0:FFFF:AC01:0101@0:0:0:0:FFFF:FFFF:FF01@0:0:0:0:FFFF:AC01:0101

### Outputs

No Outputs

# VMware - Mount ISO on a VM

## Summary

VM Mount an ISO as a CD ROM.

## Description

This task mounts a VMware ISO as a CD ROM.

## Inputs

Input	Description	Mappable To Type	Mandatory
Select VM	Select the VM for which iso image need to be mounted	vm	Y
ISO Image Path	Path of the iso image	gen_text_input	Y
CD/DVD Drive Mount Options	Use Existing CD ROM	useExistingCDROM	Y
Select CD ROMs	Select CD ROMs	vmCDROMs	
Power Off VM	Power Off required, when new device is connected to VM	VMwarePowerOffVM	Y

## Outputs

Output	Description	Type
OUTPUT_VM_ID	ID of provisioned virtual machine	vm

# VMware - Provision a Blank VM

## Summary

Provision a Blank VM.

## Description

This task helps to provision a Blank VM without using vDC policies and Catalog. This task is not intended for publishing to the service end user.

## Inputs

Input	Description	Mappable To Type
Cloud Name	Select the cloud name for provisioning a VM	vmwareAccountName
VM Name	Enter the Unique VM Name for provisioning a VM.	gen_text_input
CPU Cores	Enter the number of CPU cores (Example: 1,2,3 etc.)	gen_text_input
Cores Per Socket	Enter the number of Cores Per Socket (Example: 1,2,3 etc.)	gen_text_input
Memory Size	Provide the required memory size	gen_text_input
Memory Unit	Select the memory unit for the provided memory	vmwareMemorySizeUnit
Host Node/Cluster	Select the Host Node/Cluster scope	vmwareHostScope
Host Node	Select a host node to provision a VM on it	vmwareHostNode
Cluster	Select a cluster for provisioning a VM on hosts in cluster	vmwareClusterId
Resource Pool	Select single Resource Pool for provisioning a VM	vmwareResourcePool
Datastore/Datastore Cluster	Select Datastore/Datastore Cluster Storage Scope	vmwareDatastoreScope
Datastore	Select a Datastore for provisioning a VM	vmwareDatastoreId
Datastore Cluster	Select a Datastore Cluster for provisioning a VM	vmwareDatastoreClusterId
Guest OS Version	Select Guest OS Version for provisioning a VM	vmwareGuestOSVersion
Controller Type	Select Controller Type for provisioning a VM	vmwareDiskControllerProvider
Provision Disks in different Datastores/Datastore Clusters	Check the checkbox to provision disks in different Datastores/Datastore Clusters	Boolean
Disk Provisioning Options		
Disk Provisioning	Select Thin/Thick Provisioning Options	vmwareStorageProvisioningTypeLow
Disk Size	Enter the disk with comma (,) separated in specific text format - [Disk Name]@[Disk Size(MB/GB/TB)]. Ex - HD1@20GB,HD2@2TB	gen_text_input
Disks	Enter the disks with comma (,) separated in specific text format - [Disk Name]@[Disk Size (MB/GB/TB)]@[Disk Format	gen_text_input

Input	Description	Mappable To Type
	(thin/thicklz/thickez)]@[Disk Datastore]@[Disk Datastore Cluster]. Ex - HD1@20GB@thicklz@datastore1@,HD2@2TB@thickez@@datastore Cluster1	
VM Networks	Enter the VM Networks with comma (,) separated in specific text format - [NIC Alias]@[Adapter Type]@[Switch Name]@[Portgroup]. Ex - NIC1@Flexible@vswitch1@portgroup, NIC2@E1000@@portgroup4	gen_text_input
Deploy to Folder	Slash (/) separated folder names to which VM may be deployed. It may include parameterized variables such as \${GROUP_NAME}	gen_text_input

### Outputs

Output	Description	Type
OUTPUT_VM_ID	ID of the VM on which the selected operation was performed	vm
OUTPUT_VM_NIC_CONFIGURATION	VM Network Configuration	gen_text_input

# VMware - Provision a VM without VDC

## Summary

VMware VM Provisioning without vDC and Catalog.

## Description

This task allows user to provision a VM without using vDC policies and Catalog. It helps to add NICs. It will allow the user to change the disk configuration for the VM to be provisioned. This task is not intended for publishing to the service end user.

## Inputs

Input	Description
VM Name	Enter the Unique VM Name for provisioning a VM.
Content Library Template	Check the checkbox for provisioning a VM using content library template
Content Library VM Template	Select the content library template for provisioning a VM
VM Template	Select a VM template for provisioning a VM
CPU Cores	Enter the number of CPU cores (Example: 1,2,3 etc.)
Cores Per Socket	Enter the number of Cores Per Socket (Example: 1,2,3 etc.)
Memory Size	Provide the required memory size
Memory Unit	Select the memory unit for the provided memory
Host Node/Cluster	Select the Host Node/Cluster scope
Host Node	Select a host node to provision a VM on it
Cluster	Select a cluster for provisioning a VM on hosts in cluster
Resource Pool	Select single Resource Pool for provisioning a VM
Datastore/Datastore Cluster	Select Datastore/Datastore Cluster Storage Scope
Datastore	Select a Datastore for provisioning a VM
Datastore Cluster	Select a Datastore Cluster for provisioning a VM
Use Linked Clone	Check the checkbox for provisioning a VM using Linked Clone
Snapshot Name	Select a snapshot key for provisioning a VM using Linked Clone
Provision Disks in different Datastores/Datastore Clusters	Check the checkbox to provision disks in different Datastores/Datastore Clusters
Disk Provisioning Options	
Disk Provisioning	Select Thin/Thick Provisioning Options

Input	Description
Disk Resize	Enter the disk with comma (,) separated in specific text format - [Disk Name]@[Disk Size (M
Disks	Enter the disks with comma (,) separated in specific text format - [Disk Name]@[Disk Size(MB/C Datastore]@[Disk Datastore Cluster]@[Disk Linked Clone (true/false)]. Ex - HD1@20GB@thicklz@datastore1@@true,HD2@2TB@thickez@@datastoreCluster1@false
VM Networks	Enter the VM Networks with comma (,) separated in specific text format - [NIC Alias]@[Ada Name]@[Portgroup]@[DHCP/Static]@[IPv4/IPv6/Both]@[IPv4 IP Address]@[IPv4 Subnet Ma Subnet Mask IP]@[IPv6 Gateway IP]. Ex-NIC1@Flexible@vswitch1@portgroup@static@IP NIC2@Flexible@dswitch1@dvportgroup@static@IPv6@0:0:0:0:FFFF:AC01:0101@0:0:0 NIC3@Flexible@dswitch3@portgroup3@static@Both@172.1.1.1@255.255.255.1@172.1. 1@0:0:0:0:FFFF:AC01:0101@0:0:0:0:FFFF:FFFF:FF01@0:0:0:0:FFFF:AC01:0101, N Customization task needs to be executed for configuring the IP address.
Deploy to Folder	Slash (/) separated folder names to which VM may be deployed. It may include parameterized
Power On	Check the checkbox to Power On the VM after provisioning

### Outputs

Output	Description	Type
OUTPUT_VM_ID	ID of the VM on which the selected operation was performed	vm
OUTPUT_VM_NIC_CONFIGURATION	VM Network Configuration	gen_text_input

# VMware - Unmount ISO from a VM

## Summary

Unmounts an ISO image from the CD-ROM.

## Description

This task unmounts an ISO image from the CD-ROM.

## Inputs

Input	Description	Mappable To Type	Mandatory
Select VM	Select the VM for which iso image need to be unmounted	vm	Y
Select CD ROMs	Select CD ROMs	vmCDROMs	Y

## Outputs

Output	Description	Type
OUTPUT_VM_ID	ID of provisioned virtual machine	vm

# VMware Resource Allocation

**Summary**

Allocate VM resources.

**Description**

This task allocates resources for provisioning VMs.

**Inputs**

Input	Description	Mappable To Type	Mandatory
No Inputs			

**Outputs**

Output	Description	Type
ALLOCATED_IP_ADDRESS	IP Address of the allocated host on which selected operation was performed	gen_text_input
ALLOCATED_NIC_IP_DETAILS	IP Address of the additional vNICs on the host	gen_text_input



# VMware VM Provision

## Summary

Provision a VM.

## Description

This task provisions a VM.

## Inputs

Input	Description	Mappable To Type	Mandatory
No Inputs			

## Outputs

Output	Description	Type
PROVISIONED_VM_ID	ID of provisioned virtual machine	vm
VM_Name	VM Name	gen_text_input
VM_CPU_Size	VM CPU Size	gen_text_input
VM_Cores_Per_CPU	VM Cores Per CPU	gen_text_input
VM_Memory_Size	VM Memory Size	gen_text_input
VM_Guest_Host Name	VM Guest Host Name	gen_text_input
VM_vCenter_Name	VM vCenter Account Name	gen_text_input
VM_Server_Address	VM vCenter Server Address	gen_text_input
VM_Datacenter_Name	VM Datacenter Name	datacenterName
VM_Datacenter_Identity	VM Datacenter Identity	gen_text_input
VM_Host	VM Host	gen_text_input
VM_Host_Identity	VM Host Identity	vmwareHostNodeIdentity
VM_Cluster_Name	VM Cluster Name	gen_text_input
VM_Cluster_Identity	VM Cluster Identity	vmwareClusterIdentity
VM_Resource_Pool_Name	VM Resource Pool Name	vmwareResourcePoolName
VM_Resource_Pool_Identity	VM Resource Pool Identity	vmwareResourcePoolIdentity
VM_Datastore	Datastore Name associated with the vm	vmwareDatastoreName
Datastore_Identity	VM Datastore Identity	vmwareDatastoreIdentity
Datastore_Info_Identity	VM Datastore Info Identity	gen_text_input
VM_Datastore_Cluster_Name	VM Datastore Cluster Name	vmwareDatastoreCluster Name
VM_Datastore_Cluster_Identity	VM Datastore Cluster Identity	vmwareDatastoreCluster Identity

Output	Description	Type
VM_Disk_Count	Total Number of VM Disks	gen_text_input
Datastore_Name_Disk1	VM Disk 1 Datastore Name	dataStoreName
Datastore_Name_Disk2	VM Disk 2 Datastore Name	dataStoreName
Datastore_Name_Disk3	VM Disk 3 Datastore Name	dataStoreName
Datastore_Name_Disk4	VM Disk 4 Datastore Name	dataStoreName
Datastore_Name_Disk5	VM Disk 5 Datastore Name	dataStoreName
Datastore_Name_Disk6	VM Disk 6 Datastore Name	dataStoreName
Datastore_Name_Disk7	VM Disk 7 Datastore Name	dataStoreName
Datastore_Name_Disk8	VM Disk 8 Datastore Name	dataStoreName
Datastore_Name_Disk9	VM Disk 9 Datastore Name	dataStoreName
Datastore_Name_Disk10	VM Disk 10 Datastore Name	dataStoreName
Datastore_Identity_Disk1	VM Disk 1 Datastore Name	vmwareDatastoreIdentity
Datastore_Identity_Disk2	VM Disk 2 Datastore Name	vmwareDatastoreIdentity
Datastore_Identity_Disk3	VM Disk 3 Datastore Name	vmwareDatastoreIdentity
Datastore_Identity_Disk4	VM Disk 4 Datastore Name	vmwareDatastoreIdentity
Datastore_Identity_Disk5	VM Disk 5 Datastore Name	vmwareDatastoreIdentity
Datastore_Identity_Disk6	VM Disk 6 Datastore Name	vmwareDatastoreIdentity
Datastore_Identity_Disk7	VM Disk 7 Datastore Name	vmwareDatastoreIdentity
Datastore_Identity_Disk8	VM Disk 8 Datastore Name	vmwareDatastoreIdentity
Datastore_Identity_Disk9	VM Disk 9 Datastore Name	vmwareDatastoreIdentity
Datastore_Identity_Disk10	VM Disk 10 Datastore Name	vmwareDatastoreIdentity
Datastore_Cluster_Name_Disk1	VM Disk 1 Datastore Cluster Name	vmwareDatastoreCluster Name
Datastore_Cluster_Name_Disk2	VM Disk 2 Datastore Cluster Name	vmwareDatastoreCluster Name
Datastore_Cluster_Name_Disk3	VM Disk 3 Datastore Cluster Name	vmwareDatastoreCluster Name
Datastore_Cluster_Name_Disk4	VM Disk 4 Datastore Cluster Name	vmwareDatastoreCluster Name
Datastore_Cluster_Name_Disk5	VM Disk 5 Datastore Cluster Name	vmwareDatastoreCluster Name
Datastore_Cluster_Name_Disk6	VM Disk 6 Datastore Cluster Name	vmwareDatastoreCluster Name
Datastore_Cluster_Name_Disk7	VM Disk 7 Datastore Cluster Name	vmwareDatastoreCluster Name

Output	Description	Type
Datastore_Cluster_Name_Disk8	VM Disk 8 Datastore Cluster Name	vmwareDatastoreClusterName
Datastore_Cluster_Name_Disk9	VM Disk 9 Datastore Cluster Name	vmwareDatastoreClusterName
Datastore_Cluster_Name_Disk10	VM Disk 10 Datastore Cluster Name	vmwareDatastoreClusterName
Datastore_Cluster_Identity_Disk1	VM Disk 1 Datastore Cluster Identity	vmwareDatastoreClusterIdentity
Datastore_Cluster_Identity_Disk2	VM Disk 2 Datastore Cluster Identity	vmwareDatastoreClusterIdentity
Datastore_Cluster_Identity_Disk3	VM Disk 3 Datastore Cluster Identity	vmwareDatastoreClusterIdentity
Datastore_Cluster_Identity_Disk4	VM Disk 4 Datastore Cluster Identity	vmwareDatastoreClusterIdentity
Datastore_Cluster_Identity_Disk5	VM Disk 5 Datastore Cluster Identity	vmwareDatastoreClusterIdentity
Datastore_Cluster_Identity_Disk6	VM Disk 6 Datastore Cluster Identity	vmwareDatastoreClusterIdentity
Datastore_Cluster_Identity_Disk7	VM Disk 7 Datastore Cluster Identity	vmwareDatastoreClusterIdentity
Datastore_Cluster_Identity_Disk8	VM Disk 8 Datastore Cluster Identity	vmwareDatastoreClusterIdentity
Datastore_Cluster_Identity_Disk9	VM Disk 9 Datastore Cluster Identity	vmwareDatastoreClusterIdentity
Datastore_Cluster_Identity_Disk10	VM Disk 10 Datastore Cluster Identity	vmwareDatastoreClusterIdentity
VM_Mac	Mac address associated with the vm	gen_text_input
VM_IPv4_Address	IPv4 address of the vm	gen_text_input
VM_IPv6_Address	IPv6 address of the vm	gen_text_input
VM_PortGroups	Port Groups associated with the vm	gen_text_input
VM_Nics_Count	Total Number of VM NICs	gen_text_input
VM_NIC1_MAC_ADDRESS	Mac address of the NIC1	gen_text_input
VM_NIC1_IPv4_ADDRESS	IPv4 address of the NIC1	gen_text_input
VM_NIC1_IPv6_ADDRESS	IPv6 address of the NIC1	gen_text_input
VM_NIC1_ADAPTER_NAME	Adapter name of NIC1	gen_text_input
VM_NIC1_GENERIC_PORTGROUP_IDENTITY	PortGroup Identity of NIC1	vmwareVmPortGroupIdentity

Output	Description	Type
VM_NIC1_PORTGROUP_IDENTITY	PortGroup Identity of NIC1	portGroupIdentity
VM_NIC1_DISTRIBUTED_PORTGROUP_IDENTITY	PortGroup Identity of NIC1	VMwareDVPortgroupIdentity
VM_NIC1_PortGroup_Name	PortGroup Name of the NIC1	gen_text_input
VM_NIC1_PortGroup_Type	PortGroup Type of the NIC1	portGroupType
VM_NIC1_vSwitch_Name	vSwitch Name of the NIC1	vSwitchName
VM_NIC1_dvSwitch_Name	DV Switch Name of the NIC1	dvSwitchName
VM_NIC1_vSwitch_Identity	vSwitch Identity of the NIC1	vmwareVSwitchIdentity
VM_NIC1_dvSwitch_Identity	DV Switch Identity of the NIC1	VMwareDVSwitchIdentity
VM_NIC2_MAC_ADDRESS	Mac address of the NIC2	gen_text_input
VM_NIC2_IPv4_ADDRESS	IPv4 address of the NIC2	gen_text_input
VM_NIC2_IPv6_ADDRESS	IPv6 address of the NIC2	gen_text_input
VM_NIC2_ADAPTER_NAME	Adapter name of NIC2	gen_text_input
VM_NIC2_GENERIC_PORTGROUP_IDENTITY	PortGroup Identity of NIC2	vmwareVmPortGroupIdentity
VM_NIC2_PORTGROUP_IDENTITY	PortGroup Identity of NIC2	portGroupIdentity
VM_NIC2_DISTRIBUTED_PORTGROUP_IDENTITY	PortGroup Identity of NIC2	VMwareDVPortgroupIdentity
VM_NIC2_PortGroup_Name	PortGroup Name of the NIC2	gen_text_input
VM_NIC2_PortGroup_Type	PortGroup Type of the NIC2	portGroupType
VM_NIC2_vSwitch_Name	vSwitch Name of the NIC2	vSwitchName
VM_NIC2_dvSwitch_Name	DV Switch Name of the NIC2	dvSwitchName
VM_NIC2_vSwitch_Identity	vSwitch Identity of the NIC2	vmwareVSwitchIdentity
VM_NIC2_dvSwitch_Identity	DV Switch Identity of the NIC2	VMwareDVSwitchIdentity
VM_NIC3_MAC_ADDRESS	Mac address of the NIC3	gen_text_input
VM_NIC3_IPv4_ADDRESS	IPv4 address of the NIC3	gen_text_input
VM_NIC3_IPv6_ADDRESS	IPv6 address of the NIC3	gen_text_input
VM_NIC3_ADAPTER_NAME	Adapter name of NIC3	gen_text_input
VM_NIC3_GENERIC_PORTGROUP_IDENTITY	PortGroup Identity of NIC3	vmwareVmPortGroupIdentity
VM_NIC3_PORTGROUP_IDENTITY	PortGroup Identity of NIC3	portGroupIdentity

Output	Description	Type
VM_NIC3_DISTRIBUTED_PORTGROUP_IDENTITY	PortGroup Identity of NIC3	VMwareDVPortgroupIdentity
VM_NIC3_PortGroup_Name	PortGroup Name of the NIC3	gen_text_input
VM_NIC3_PortGroup_Type	PortGroup Type of the NIC3	portGroupType
VM_NIC3_vSwitch_Name	vSwitch Name of the NIC3	vSwitchName
VM_NIC3_dvSwitch_Name	DV Switch Name of the NIC3	dvSwitchName
VM_NIC3_vSwitch_Identity	vSwitch Identity of the NIC3	vmwareVSwitchIdentity
VM_NIC3_dvSwitch_Identity	DV Switch Identity of the NIC3	VMwareDVSwitchIdentity
VM_NIC4_MAC_ADDRESS	Mac address of the NIC4	gen_text_input
VM_NIC4_IPv4_ADDRESS	IPv4 address of the NIC4	gen_text_input
VM_NIC4_IPv6_ADDRESS	IPv6 address of the NIC4	gen_text_input
VM_NIC4_ADAPTER_NAME	Adapter name of NIC4	gen_text_input
VM_NIC4_GENERIC_PORTGROUP_IDENTITY	PortGroup Identity of NIC4	vmwareVmPortGroupIdentity
VM_NIC4_PORTGROUP_IDENTITY	PortGroup Identity of NIC4	portGroupIdentity
VM_NIC4_DISTRIBUTED_PORTGROUP_IDENTITY	PortGroup Identity of NIC4	VMwareDVPortgroupIdentity
VM_NIC4_PortGroup_Name	PortGroup Name of the NIC4	gen_text_input
VM_NIC4_PortGroup_Type	PortGroup Type of the NIC4	portGroupType
VM_NIC4_vSwitch_Name	vSwitch Name of the NIC4	vSwitchName
VM_NIC4_dvSwitch_Name	DV Switch Name of the NIC4	dvSwitchName
VM_NIC4_vSwitch_Identity	vSwitch Identity of the NIC4	vmwareVSwitchIdentity
VM_NIC4_dvSwitch_Identity	DV Switch Identity of the NIC4	VMwareDVSwitchIdentity
VM_NIC5_MAC_ADDRESS	Mac address of the NIC5	gen_text_input
VM_NIC5_IPv4_ADDRESS	IPv4 address of the NIC5	gen_text_input
VM_NIC5_IPv6_ADDRESS	IPv6 address of the NIC5	gen_text_input
VM_NIC5_ADAPTER_NAME	Adapter name of NIC5	gen_text_input
VM_NIC5_GENERIC_PORTGROUP_IDENTITY	PortGroup Identity of NIC5	vmwareVmPortGroupIdentity
VM_NIC5_PORTGROUP_IDENTITY	PortGroup Identity of NIC5	portGroupIdentity
VM_NIC5_DISTRIBUTED_PORTGROUP_IDENTITY	PortGroup Identity of NIC5	VMwareDVPortgroupIdentity
VM_NIC5_PortGroup_Name	PortGroup Name of the NIC5	gen_text_input

Output	Description	Type
VM_NIC5_PortGroup_Type	PortGroup Type of the NIC5	portGroupType
VM_NIC5_vSwitch_Name	vSwitch Name of the NIC5	vSwitchName
VM_NIC5_dvSwitch_Name	DV Switch Name of the NIC5	dvSwitchName
VM_NIC5_vSwitch_Identity	vSwitch Identity of the NIC5	vmwareVSwitchIdentity
VM_NIC5_dvSwitch_Identity	DV Switch Identity of the NIC5	VMwareDVSwitchIdentity
VM_NIC6_MAC_ADDRESS	Mac address of the NIC6	gen_text_input
VM_NIC6_IPv4_ADDRESS	IPv4 address of the NIC6	gen_text_input
VM_NIC6_IPv6_ADDRESS	IPv6 address of the NIC6	gen_text_input
VM_NIC6_ADAPTER_NAME	Adapter name of NIC6	gen_text_input
VM_NIC6_GENERIC_PORTGROUP_IDENTITY	PortGroup Identity of NIC6	vmwareVmPortGroupIdentity
VM_NIC6_PORTGROUP_IDENTITY	PortGroup Identity of NIC6	portGroupIdentity
VM_NIC6_DISTRIBUTED_PORTGROUP_IDENTITY	PortGroup Identity of NIC6	VMwareDVPortgroupIdentity
VM_NIC6_PortGroup_Name	PortGroup Name of the NIC6	gen_text_input
VM_NIC6_PortGroup_Type	PortGroup Type of the NIC6	portGroupType
VM_NIC6_vSwitch_Name	vSwitch Name of the NIC6	vSwitchName
VM_NIC6_dvSwitch_Name	DV Switch Name of the NIC6	dvSwitchName
VM_NIC6_vSwitch_Identity	vSwitch Identity of the NIC6	vmwareVSwitchIdentity
VM_NIC6_dvSwitch_Identity	DV Switch Identity of the NIC6	VMwareDVSwitchIdentity