



VMware Network Tasks

This chapter contains the following sections:

- [Add Host VMKernel Port to VMware dvSwitch, on page 3](#)
- [Add Network to VMware VM, on page 5](#)
- [Add PNIC to VMware dvSwitch, on page 6](#)
- [Add PNIC to VMware vSwitch, on page 7](#)
- [Add VMware vNICs to VM, on page 8](#)
- [Add VMware Port Group To Network Policy, on page 11](#)
- [Add VMware Service Console PortGroup, on page 12](#)
- [Add VMware VMKernel Port on dvSwitch, on page 13](#)
- [Add VMware Virtual Adapter, on page 14](#)
- [Assign VMware Port Group to Group, on page 16](#)
- [Assign VMware dvPortGroup to Group, on page 17](#)
- [Create DVPortGroup, on page 18](#)
- [Create DVSwitch, on page 19](#)
- [Create VMKernel Port Group, on page 20](#)
- [Create VMware Port Group, on page 22](#)
- [Create Virtual Nic, on page 24](#)
- [Create vSwitch, on page 25](#)
- [Delete DVPortGroup, on page 26](#)
- [Delete DVSwitch, on page 27](#)
- [Delete Port Group From Network Policy, on page 28](#)
- [Delete VMware VM vNICs, on page 29](#)
- [Delete VMware Virtual Nic, on page 30](#)
- [Delete VMware vSwitch, on page 31](#)
- [Enable Discovery Protocol on VMware dvSwitch, on page 32](#)
- [Generate VMware Generic PortGroup Identity, on page 33](#)
- [Migrate Default VMware vSwitch to DVSwitch, on page 34](#)
- [Migrate Default VMware vSwitch to DVSwitch By Mapping Policy, on page 35](#)
- [Migrate VMware vSwitch PNIC to dvSwitch, on page 36](#)
- [Migrate VMware vSwitch VMkernel Port to dvSwitch, on page 37](#)
- [Modify VMware DVSwitch For NIOC, on page 38](#)
- [Modify VMware DVSwitch For System Network Resource Pool Traffic Setting, on page 39](#)
- [Modify VMware dv PortGroup, on page 40](#)

- [Modify VMWare dvSwitch Teaming and Failover Settings, on page 41](#)
- [Modify VMkernel Port Properties, on page 42](#)
- [Modify VMware PortGroup, on page 43](#)
- [Modify VMware VM Network, on page 44](#)
- [Modify VMware vSwitch, on page 45](#)
- [Remove DV Port Group from Group, on page 46](#)
- [Remove VMware Networking, on page 47](#)
- [Remove VMware Virtual Adapters, on page 48](#)
- [UnAssign Port Group from User Group, on page 49](#)
- [UnAssociate PNICs from VMWare vSwitch, on page 50](#)
- [Update Network Policy, on page 51](#)

Add Host VMKernel Port to VMware dvSwitch

Summary

Description

Inputs

Input	Description	Mappable To Type	Mandatory
Select Host/Cluster	Select the Host/Cluster to perform operation on.	vmwareHostorCluster	Y
Select Cluster	Select the Cluster, to create the new VM Kernel PortGroup on hosts in cluster.	vmwareClusterIdentity	Y
Select Host Nodes	Select the Host name to create the new VM Kernel PortGroup.	vmwareHostNode Identity	Y
DVPortGroup Name	Select the dvPortGroup to create the new VM Kernel PortGroup.	VMwareDVPortgroup Identity	Y
Network Type	Select the network type.	gen_text_input	Y
Select IP Address Type	Select IP Address Type	gen_text_input	Y
Select IP Address Source	Select IP Address Source	gen_text_input	Y
IP Subnet	Select the IP Subnet	IpSubnetInIPSubnetPool PolicyIdentity	Y
MTU Size	Enter MTU Size From 1280 to 9000 Range.	gen_text_input	
TCP/IP Stack	TCP/IP Stack	vmwareHostTcpIpStack Identity	
vMotion traffic	Enable vMotion traffic	Boolean	
Provisioning traffic	Enable vSphere Provisioning traffic	Boolean	
Fault Tolerance logging	Enable Fault Tolerance Logging	Boolean	
Management traffic	Enable Management traffic	Boolean	
vSphere Replication traffic	Enable vSphereReplication traffic	Boolean	
vSphere Replication NFC traffic	Enable vSphere Replication NFC traffic	Boolean	
Virtual SAN Traffic	Enable Virtual SAN traffic	Boolean	

Outputs

Output	Description	Type
OUTPUT_VMWARE_HOST_NODE_IDENTITY	VMware Host Node Identity	vmwareHostNodeIdentity

Output	Description	Type
OUTPUT_VMWARE_DV_PORT_GROUP_IDENTITY	Identity of the DVPort Group	VMwareDVPortgroupIdentity
OUTPUT_IP_POOL_POLICY_ID	IP Pool Policy Id	VMWareIPPoolPolicy
OUTPUT_DV_PORT_GROUP_NAME	VMware DVPort Group Name	dvPortGroupName
OUTPUT_STATIC_POOL_IP	IP Address from Static Pool.	StaticPoolIP
OUTPUT_SUBNET_ID	Subnet ID	IpSubnetInIPSubnetPoolPolicyIdentity
OUTPUT_STATIC_POOL_IPS_ALLOCATED	Comma Separated IP Addresses allocated from Static Pool.	gen_text_input
OUTPUT_MTU_SIZE	MTU Size.	gen_text_input
OUTPUT_CLUSTER_IDENTITY	Cluster Identity	vmwareClusterIdentity

Add Network to VMware VM

Summary

Connects a Virtual Machine to a network.

Description

This task adds a network to a VM. This task adds a port group to VM, through which the VM is connected in the network.

Inputs

Input	Description	Mappable To Type	Mandatory
Select VM	Select the VM for which new network need to be added	vm	Y
Select PortGroup Type	Select PortGroup type for the new network to be added	portGroupType	Y
Specify Portgroup Name	Name of the port group to be associated	portGroupName	
Select Adapter Type	Select Adapter type for the new network to be added or use Auto option to let it do automatically	adapterType	Y

Outputs

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

Add PNIC to VMWare dvSwitch

Summary

Description

Inputs

Input	Description	Mappable To Type	Mandatory
Account Name	Select the cloud name to associate the Pnic to DVSwitch.	gen_text_input	Y
Host Node	The hode node IPAddress.	gen_text_input	Y
DVSwitch Name	Select the DVSwitch to which physical NICs need to be associated.	dvSwitchName	Y
uplinkPortGroup Name	Select the uplink PortGroup to which physical NICs need to be associated.	uplinkPortGroupLovList	Y
Allow Used PNICs	Allow Used PNICs	gen_text_input	Y
Physical Nics	Free Physical Nics available.	gen_text_input	Y

Outputs

No Outputs

Add PNIC to VMWare vSwitch

Summary

Description

Inputs

Input	Description	Mappable To Type	Mandatory
vSwitch Name	Select the vSwitch to which pnic need to be added.	gen_text_input	Y
Physical Nics	Free Physical Nics available.	vmwareFreePnicMultiSelect	Y

Outputs

Output	Description	Type
OUTPUT_VMWARE_ACCOUNT_NAME	VMware account name.	gen_text_input
OUTPUT_DATACENTER_NAME	VMware Datacenter Name	datacenterName
HOST_NAME	Host Name	vmHost
OUTPUT_VMWARE_VSWITCH_IDENTITY	Identity of the vSwitch	vmwareVSwitchIdentity
OUTPUT_VMWARE_HOST_NODE_IDENTITY	VMware Host Node Identity	vmwareHostNodeIdentity
OUTPUT_VMWARE_HOST_NODE_PNIC_IDENTITY	VMware Host Node PNIC Identity	gen_text_input

Add VMWare vNICs to VM

Summary

Adds new virtual network interface cards to the VM.

Description

This task adds new virtual network interface cards to the VM. If the Replace option is selected, then all the existing NICs on the VM will be removed and new NICs will be added. If the Add option is selected, then the new NICs will be added to the VM in addition to the existing NICs.

Inputs

Input	Description	Mappable To Type	Mandatory
Select VM	Select the VM.	vm	Y
Operation	Select the VM NIC operation.	gen_text_input	Y
PowerOn VM	Select this option to power on the VM after the vNIC configuration is completed.		Y
Select PortGroup Type	Specify type of Port Group : Virtual Portgroup or Distributed Virtual Portgroup	portGroupType	Y
Specify Portgroup Name	Name of the port group to be associated.	vmwareVmPortGroup Identity	Y
Adapter Type	Select adapter type	gen_text_input	
DHCP	DHCP or Static		
Static IP Pool	Provide IP address range or comma separated IP addresses or both	gen_text_input	
NIC1 IP Address	Provide reserved IP address	gen_text_input	
Subnet Mask	Enter Subnet Mask.	subnetMask	
Gateway Address	Enter Gateway Address.	gen_text_input	
Add VMNIC 2	Select this option to add VM NIC 2		
Select PortGroup Type	Specify type of Port Group : Virtual Portgroup or Distributed Virtual Portgroup	portGroupType	Y
Specify Portgroup Name	Name of the port group to be associated.	vmwareVmPortGroup Identity	Y
Adapter Type	Select adapter type	gen_text_input	
DHCP	DHCP or Static		
Static IP Pool	Provide IP address range or comma separated IP addresses or both	gen_text_input	
NIC2 IP Address	Provide reserved IP address	gen_text_input	
Subnet Mask	Enter Subnet Mask.	subnetMask	

Input	Description	Mappable To Type	Mandatory
Gateway Address	Enter Gateway Address.	gen_text_input	
Add VMNIC 3	Select this option to add VM NIC 3		
Select PortGroup Type	Specify type of Port Group : Virtual Portgroup or Distributed Virtual Portgroup	portGroupType	Y
Specify Portgroup Name	Name of the port group to be associated.	vmwareVmPortGroup Identity	Y
Adapter Type	Select adapter type	portGroupType	
DHCP	DHCP or Static		
Static IP Pool	Provide IP address range or comma separated IP addresses or both	gen_text_input	
NIC3 IP Address	Provide reserved IP address	gen_text_input	
Subnet Mask	Enter Subnet Mask.	subnetMask	
Gateway Address	Enter Gateway Address.	gen_text_input	
Add VMNIC 4	Select this option to add VM NIC 4		
Select PortGroup Type	Specify type of Port Group : Virtual Portgroup or Distributed Virtual Portgroup	portGroupType	Y
Specify Portgroup Name	Name of the port group to be associated.	vmwareVmPortGroup Identity	Y
Adapter Type	Select adapter type	gen_text_input	
DHCP	DHCP or Static		
Static IP Pool	Provide IP address range or comma separated IP addresses or both	gen_text_input	
NIC4 IP Address	Provide reserved IP address	gen_text_input	
Subnet Mask	Enter Subnet Mask.	subnetMask	
Gateway Address	Enter Gateway Address.	gen_text_input	

Outputs

Output	Description	Type
OUTPUT_VM_ID	ID of the VM on which the selected operation was performed	vm
OUTPUT_VM_NIC1_ADAPTER_NAME	NIC1 Adapter Name	gen_text_input
OUTPUT_VM_NIC2_ADAPTER_NAME	NIC2 Adapter Name	gen_text_input
OUTPUT_VM_NIC3_ADAPTER_NAME	NIC3 Adapter Name	gen_text_input

Output	Description	Type
OUTPUT_VM_NIC4_ADAPTER_NAME	NIC4 Adapter Name	gen_text_input
OUTPUT_VM_NIC1_ADAPTER_MAC	NIC1 Mac Address	gen_text_input
OUTPUT_VM_NIC2_ADAPTER_MAC	NIC2 Mac Address	gen_text_input
OUTPUT_VM_NIC3_ADAPTER_MAC	NIC3 Mac Address	gen_text_input
OUTPUT_VM_NIC4_ADAPTER_MAC	NIC4 Mac Address	gen_text_input
OUTPUT_VM_NIC1_ADAPTER_IPADDRESS	NIC1 IP Address	gen_text_input
OUTPUT_VM_NIC2_ADAPTER_IPADDRESS	NIC2 IP Address	gen_text_input
OUTPUT_VM_NIC3_ADAPTER_IPADDRESS	NIC3 IP Address	gen_text_input
OUTPUT_VM_NIC4_ADAPTER_IPADDRESS	NIC4 IP Address	gen_text_input
OUTPUT_VM_NIC1_ADAPTER_NETMASK	NIC1 Netmask	gen_text_input
OUTPUT_VM_NIC2_ADAPTER_NETMASK	NIC2 Netmask	gen_text_input
OUTPUT_VM_NIC3_ADAPTER_NETMASK	NIC3 Netmask	gen_text_input
OUTPUT_VM_NIC4_ADAPTER_NETMASK	NIC4 Netmask	gen_text_input
OUTPUT_VM_NIC1_ADAPTER_GATEWAY	NIC1 Gateway	gen_text_input
OUTPUT_VM_NIC2_ADAPTER_GATEWAY	NIC2 Gateway	gen_text_input
OUTPUT_VM_NIC3_ADAPTER_GATEWAY	NIC3 Gateway	gen_text_input
OUTPUT_VM_NIC4_ADAPTER_GATEWAY	NIC4 Gateway	gen_text_input

Add VMware Port Group To Network Policy

Summary

Adds a new port group to an existing NIC configuration of the selected network policy.

Description

The adds a VMware port group into the NIC alias for the selected network policy.

Inputs

Input	Description	Mappable To Type	Mandatory
Policy Name	Policy Name	privateCloudNetworkPolicyProvider	Y
NIC Alias	NIC Alias	vmwareNetworkPolicyNICAlias	Y
Port Group Name	Port Group Name	vmwareVmPortGroupIdentity	Y
IPv4 Configuration			
Select IP Address Type	Select IP Address Type	gen_text_input	Y
Select IP Address Source	Select IP Address Source	IPPoolSourceType	
IPv6 Configuration			
IPv6	Configure IPv6	gen_text_input	

Outputs

Output	Description	Type
VMWARE_NETWORK_POLICY	Network Policy	privateCloudNetworkPolicyProvider
OUTPUT_NIC_ALIAS	NIC Alias	vmwareNetworkPolicyNICAlias
OUTPUT_PORT_GROUP_NAME	Port Group Name	vmwareVmPortGroupIdentity
OUTPUT_IP_ADDRESS_TYPE	IP Address Type	gen_text_input
OUTPUT_IPV6	IPv6	gen_text_input

Add VMware Service Console PortGroup

Summary

Adds a new service console port group.

Description

This task adds a new service console port group.

Inputs

Input	Description	Mappable To Type	Mandatory
Account Name	Select the cloud name to create the new Service Console PortGroup.	gen_text_input	Y
Host Node	Select the Host name to create the new Service Console PortGroup.	gen_text_input	Y
DVSwitch Name	Select the DVSwitch to create the new Service Console PortGroup.	dvSwitchName	Y
dvPortGroup Name	Select the dvPortGroup to create the new Service Console PortGroup.	dvPortGroupName	Y
Network Type	Select the network type.	gen_text_input	Y
Static IP Pool	Static IP Pool. Example: 192.168.0.1 - 192.168.0.50,192.168.0.100,192.168.1.20-192.168.1.70	gen_text_input	
Subnet Mask	Enter Subnet Mask.	gen_text_input	

Outputs

Output	Description	Type
OUTPUT_DV_PORT_GROUP_NAME	VMware DVPort Group Name	dvPortGroupName

Add VMware VMKernel Port on dvSwitch

Summary

Description

Inputs

Input	Description	Mappable To Type	Mandatory
Host Node	Select the Host name to create the new VM Kernel PortGroup.	vmwareHostNodeIdentity	Y
DVPortGroup Name	Select the dvPortGroup to create the new VM Kernel PortGroup.	VMwareDVPortgroup Identity	Y
Network Type	Select the network type.	gen_text_input	Y
Select IP Address Type	Select IP Address Type	gen_text_input	Y
MTU Size	Enter MTU Size From 1280 to 9000 Range.	gen_text_input	
Enable vMotion	Enable vMotion		

Outputs

Output	Description	Type
OUTPUT_VMWARE_HOST_NODE_IDENTITY	VMware Host Node Identity	vmwareHostNodeIdentity
OUTPUT_VMWARE_DV_PORT_GROUP_IDENTITY	Identity of the DVPort Group	VMwareDVPortgroup Identity
OUTPUT_IP_POOL_POLICY_ID	IP Pool Policy Id	VMWareIPPoolPolicy
OUTPUT_DV_PORT_GROUP_NAME	VMware DVPort Group Name	dvPortGroupName
OUTPUT_STATIC_POOL_IP	IP Address from Static Pool.	StaticPoolIP
OUTPUT_STATIC_POOL_IPS_ALLOCATED	Comma Separated IP Addresses allocated from Static Pool.	gen_text_input
OUTPUT_MTU_SIZE	MTU Size.	gen_text_input

Add VMware Virtual Adapter

Summary

Adds a virtual adapter for the host on a DvSwitch.

Description

This task adds a virtual adapter for the host on a DvSwitch.

Inputs

Input	Description	Mappable To Type	Mandatory
Account Name	Select the cloud name to create the new VM Kernel PortGroup.	gen_text_input	Y
Host Node	Select the Host name to create the new VM Kernel PortGroup.	gen_text_input	Y
DVSwitch Name	Select the DVSwitch to create the new VM Kernel PortGroup.	dvSwitchName	Y
dvPortGroup Name	Select the dvPortGroup to create the new VM Kernel PortGroup.	gen_text_input	Y
Network Type	Select the network type.	gen_text_input	Y
Static IP Pool	Static IP Pool. Example: 192.168.0.1 - 192.168.0.50,192.168.0.100,192.168.1.20-192.168.1.70	StaticPoolIP	
Subnet Mask	Enter Subnet Mask.	gen_text_input	
MTU Size	Enter MTU Size From 1280 to 9000 Range.	gen_text_input	
TCP/IP Stack	TCP/IP Stack	vmwareHostTcpIpStackIdentity	
vMotion traffic	Enable vMotion traffic	Boolean	
Provisioning traffic	Enable vSphere Provisioning traffic	Boolean	
Fault Tolerance logging	Enable Fault Tolerance Logging	Boolean	
Management traffic	Enable Management traffic	Boolean	
vSphere Replication traffic	Enable vSphereReplication traffic	Boolean	
vSphere Replication NFC traffic	Enable vSphere Replication NFC traffic	Boolean	
Virtual SAN Traffic	Enable Virtual SAN traffic	Boolean	

Outputs

Output	Description	Type
OUTPUT_DV_PORT_GROUP_NAME	VMware DVPort Group Name	dvPortGroupName

Output	Description	Type
OUTPUT_STATIC_POOL_IP	IP Address from Static Pool.	StaticPoolIP
OUTPUT_STATIC_POOL_IPS_ ALLOCATED	Comma Separated IP Addresses allocated from Static Pool.	gen_text_input
OUTPUT_MTU_SIZE	MTU Size.	gen_text_input

Assign VMware Port Group to Group

Summary

Assigns a port group to the selected UCS Director group.

Description

This task assigns a port group to a UCS Director group.

Inputs

Input	Description	Mappable To Type	Mandatory
PortGroup Name	Select the PortGroup to be assign to group.	portGroupIdentity	Y
Assign To Users	Select this option to allow resource assignment to users.		
User Group ID	Select a UCSD group to assign to.	gen_text_input	Y

Outputs

Output	Description	Type
OUTPUT_GROUP_ID	Group ID	userGroup
OUTPUT_PORT_GROUP_IDENTITY	Identity of the Port Group	portGroupIdentity

Assign VMware dvPortGroup to Group

Summary

Assigns a DV port group to a selected UCS Director group.

Description

This task assigns a distributed virtual port group to a UCS Director group.

Inputs

Input	Description	Mappable To Type	Mandatory
dvPortGroup Name	Select the dvPortGroup to be assigned.	VMwareDVPortgroup Identity	Y
Assign To Users	Select this option to allow resource assignment to users.		
User Group ID	Select a UCSD group to assign to.	gen_text_input	Y

Outputs

Output	Description	Type
OUTPUT_GROUP_ID	Group ID	userGroup
OUTPUT_VMWARE_DV_PORT_GROUP_IDENTITY	Identity of the DVPort Group	VMwareDVPortgroup Identity

Create DVPortGroup

Summary

Creates a distributed virtual port group in a DvSwitch.

Description

This task creates a new distributed virtual port group within a DvSwitch.

Inputs

Input	Description	Mappable To Type	Mandatory
DVSwitch Name	Select the DVSwitch.	VMwareDVSwitchIdentity	Y
dvPortGroup Name	Enter dvPortGroup name to be created.	gen_text_input	Y
Number of Ports	Enter number of ports to be created.	gen_text_input	Y
Port binding	Select the binding type for the ports.	VMwareDVPortGroupPort Binding	Y
VLAN ID	Enter the VLAN ID to be associated with the dvPortGroup.	vlanID	Y
Promiscuous Mode(Accept)	Promiscuous Mode(Accept) for the dvPortGroup.	promiscuousModeAccept	

Outputs

Output	Description	Type
OUTPUT_DV_PORT_GROUP_NAME	VMware DVPort Group Name	dvPortGroupName
OUTPUT_DVSWITCH_NAME	dvSwitch Name	dvSwitchName
OUTPUT_DVPORTGROUP_PORTGROUPBINDING	VMware DVPort Group Port Binding	VMwareDVPortGroupPort Binding
OUTPUT_VMWARE_VM_PORT_GROUP_IDENTITY	Identity of the VMware Generic port Group	vmwareVmPortGroup Identity
OUTPUT_VLAN_ID	VLAN ID	vlanID
OUTPUT_VMWARE_DVSWITCH_IDENTITY	Identity of the DVSwitch	VMwareDVSwitchIdentity
OUTPUT_VMWARE_DV_PORT_GROUP_IDENTITY	Identity of the DVPort Group	VMwareDVPortgroup Identity

Create DVSwitch

Summary
Description
Inputs

Input	Description	Mappable To Type	Mandatory
Account Name	Select the cloud name to create the new DVSwitch.	gen_text_input	Y
Datacenter Name	Select the Datacenter Name to create the new DVSwitch.	gen_text_input	Y
DVSwitch Name	DVSwitch name to be created.	gen_text_input	Y
Number of dvUplink Ports	Maximum number of physical adapters per host.		Y
upLinkPort Name Prefix	Prefix string of upLinkPort(s) to be created.	gen_text_input	Y
Maximum MTU	Maximum MTU	gen_text_input	

Outputs

Output	Description	Type
OUTPUT_DVSWITCH_NAME	dvSwitch Name	dvSwitchName
OUTPUT_DATACENTER_NAME	VMware Datacenter Name	datacenterName
OUTPUT_VMWARE_DVSWITCH_IDENTITY	Identity of the DVSwitch	VMwareDVSwitchIdentity
OUTPUT_VDS_UPLINK_PORTGROUP_NAME	VMware DVSwitch Uplink Port Group	uplinkPortGroupLovList

Create VMKernel Port Group

Summary

Creates a VMkernel port group.

Description

This task creates a VMkernel port group on the selected vSwitch.

Inputs

Input	Description	Mappable To Type	Mandatory
Account Name	Select the cloud name.	gen_text_input	Y
Select Datacenter or Cluster	Select Datacenter or Cluster	gen_text_input	Y
Datacenter Name	Select the Datacenter name.	datacenterName	
Cluster Name	Select the Cluster name.	gen_text_input	
vSwitch Name	Select the vSwitch on which Network connection needs to be added.	vmwareVSwitch Identity	Y
Connection Types	Select the connection type to be added to the vSwitch.	gen_text_input	Y
Network Label	Name of the connection type that need to be created.	gen_text_input	Y
VLAN ID	The vLan Id for the network connection.	vlanID	
Network Type	Select the network type.	gen_text_input	Y
Enable DHCP	Enable DHCP		
Static IP Pool	Provide IP address range or comma separated IP addresses or both	StaticPoolIP	
Subnet Mask	Enter Subnet Mask.	subnetMask	
Gateway IP Address	IP Address of the default gateway for this network	gen_text_input	
TCP/IP Stack	TCP/IP Stack	vmwareHostTcpIp StackIdentity	
Enable vMotion	Enable vMotion	Boolean	
Enable Fault Tolerance	Enable Fault Tolerance	Boolean	
Enable Management	Enable Management	Boolean	
Provisioning traffic	Enable vSphere Provisioning traffic	Boolean	
vSphere Replication traffic	Enable vSphereReplication traffic	Boolean	
vSphere Replication NFC traffic	Enable vSphere Replication NFC traffic	Boolean	
Virtual SAN Traffic	Enable Virtual SAN traffic	Boolean	

Input	Description	Mappable To Type	Mandatory
Promiscuous Mode(Accept)	Promiscuous Mode(Accept) for the PortGroup.	promiscuousMode Accept	

Outputs

Output	Description	Type
OUTPUT_PORT_GROUP_NAME	Name of the Port Group on which the selected operation was performed	gen_text_input
OUTPUT_PORT_GROUP_VLAN	VLAN of the Port Group on which the selected operation was performed	vlanID
OUTPUT_PORT_GROUP_IDENTITY	Identity of the Port Group	portGroupIdentity
OUTPUT_STATIC_POOL_IP	IP Address from Static Pool.	StaticPoolIP
OUTPUT_STATIC_POOL_IPS_ALLOCATED	Comma Separated IP Addresses allocated from Static Pool.	gen_text_input
OUTPUT_VMKERNAL_PORT_IDENTITY	Identity of the VMkernel Port	vmwarevmkernelPort Identity

Create VMware Port Group

Summary

Adds the Virtual Machine, VMKernel or Service Console VMware Network Connection types.

Description

The tasks adds the Virtual Machine, VMKernel or Service Console VMware Connection types to a vSwitch present in a host.

Inputs

Input	Description	Mappable To Type	Mandatory
vSwitch Name	Select the vSwitch on which Network connection needs to be added.	vmwareVSwitch Identity	Y
Connection Types	Select the connection type to be added to the vSwitch.	gen_text_input	Y
Network Label	Name of the connection type that need to be created.	gen_text_input	Y
VLAN ID	The vLan Id for the network connection.	vlanID	
Network Type	Select the network type.	gen_text_input	Y
Enable DHCP	Enable DHCP	Boolean	
Static IP Pool	Provide IP address range or comma separated IP addresses or both	StaticPoolIP	
Subnet Mask	Enter Subnet Mask.	subnetMask	
Enable vMotion	Enable vMotion		
Promiscuous Mode(Accept)	Promiscuous Mode(Accept) for the Port Group.	promiscuousMode Accept	

Outputs

Output	Description	Type
OUTPUT_PORT_GROUP_NAME	Name of the Port Group on which the selected operation was performed	gen_text_input
OUTPUT_PORT_GROUP_VLAN	VLAN of the Port Group on which the selected operation was performed	vlanID
OUTPUT_PORT_GROUP_IDENTITY	Identity of the Port Group	portGroupIdentity
OUTPUT_STATIC_POOL_IP	IP Address from Static Pool.	StaticPoolIP
OUTPUT_STATIC_POOL_IPS_ALLOCATED	Comma Separated IP Addresses allocated from Static Pool.	gen_text_input
OUTPUT_VMKERNAL_PORT_IDENTITY	Identity of the VMkernel Port	vmwarevmkernelPort Identity

Output	Description	Type
OUTPUT_VMWARE_VM_PORT_GROUP_IDENTITY	Identity of the VMware Generic port Group	vmwareVmPortGroup Identity

Create Virtual Nic

Summary

Description

Inputs

Input	Description	Mappable To Type	Mandatory
Account Name	Select the cloud name to Create the vNic.	gen_text_input	Y
Host Node	Select the hode node IPAddress to create the vNic.	gen_text_input	Y
vSwitch Name	Select the vSwitch.	gen_text_input	Y
PortGroup Name	Select the PortGroup to which the vNic will be connected.	gen_text_input	Y
Network Type	Select the network type.	gen_text_input	Y
IP Address	IP Address.	ipaddress	
Subnet Mask	Enter Subnet Mask.	subnetMask	

Outputs

No Outputs

Create vSwitch

Summary

Creates a virtual switch on the selected host.

Description

This task creates a vSwitch on the selected host for the selected cloud.

Inputs

Input	Description	Mappable To Type	Mandatory
Account Name	Select the cloud name to create the new vSwitch.	gen_text_input	Y
Host Node	The hode node IPAddress to create the vSwitch.	gen_text_input	Y
Number of Switch Ports	Number of switch ports to be created on the vSwitch.	gen_text_input	Y
vSwitch Name	Name of the vSwitch to be created on the selected VMware host.	gen_text_input	Y

Outputs

Output	Description	Type
OUTPUT_VMWARE_VSWITCH_IDENTITY	Identity of the vSwitch	vmwareVSwitchIdentity

Delete DVPortGroup

Summary

Deletes a distributed virtual port group in a DvSwitch.

Description

This task deletes the selected distributed virtual port group in the DvSwitch.

Inputs

Input	Description	Mappable To Type	Mandatory
dvPortGroup Name	Select the dvPortGroup to be deleted.	VMwareDVPortgroupIdentity	Y

Outputs

Output	Description	Type
OUTPUT_VMWARE_DV_PORT_GROUP_IDENTITY	Identity of the DVPort Group	VMwareDVPortgroup Identity

Delete DVSwitch

Summary

Description

Inputs

Input	Description	Mappable To Type	Mandatory
DVSwitch Name	Select the DVSwitch to be deleted.	VMwareDVSwitchIdentity	Y

Outputs

Output	Description	Type
OUTPUT_VMWARE_DVSWITCH_IDENTITY	Identity of the DVSwitch	VMwareDVSwitchIdentity

Delete Port Group From Network Policy

Summary

Deletes the selected port group from an existing NIC configuration of the selected network policy.

Description

The task deletes the selected VMware port group from the NIC alias for the selected network policy.

Inputs

Input	Description	Mappable To Type	Mandatory
Policy Name	Policy Name	privateCloudNetworkPolicyProvider	Y
NIC Alias	NIC Alias	vmwareNetworkPolicyNICAlias	Y
Port Group Name	Port Group Name	vmwareVmPortGroupIdentity	Y

Outputs

No Outputs

Delete VMware VM vNICs

Summary

Deletes virtual network interface cards from the VM.

Description

This task deletes one or more virtual network interface cards from the VM.

Inputs

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

Outputs

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

Delete VMware Virtual Nic

Summary

Deletes a virtual NIC from the port group.

Description

This task deletes the selected virtual NIC from the selected port group.

Inputs

Input	Description	Mappable To Type	Mandatory
Account Name	Select the cloud name to Create the vNic.	gen_text_input	Y
Host Node	Select the hode node IPAddress to create the vNic.	gen_text_input	Y
vSwitch Name	Select the vSwitch.	gen_text_input	Y
PortGroup Name	Select the PortGroup to which the vNic will be connected.	gen_text_input	Y

Outputs

No Outputs

Delete VMware vSwitch

Summary

Deletes a vSwitch.

Description

This task deletes a vSwitch. Once a vSwitch is deleted all the port groups associated with the vSwitch are associated with the default vSwitch.

Inputs

Input	Description	Mappable To Type	Mandatory
vSwitch Name	Select the vSwitch that need to be deleted.	vmwareVSwitchIdentity	Y

Outputs

No Outputs

Enable Discovery Protocol on VMware dvSwitch

Summary

Description

Inputs

Input	Description	Mappable To Type	Mandatory
DVSwitch Name	Select the DVSwitch.	VMwareDVSwitchIdentity	Y
Status	Status of Discovery Type	vmwareCDPStatusSelector	Y
Type	Discovery Protocol Type	vmwareCDPTypeSelector	Y
Operation	Discovery Protocol Operation	vmwareCDPOperationType Selector	Y
Maximum MTU	Maximum MTU	gen_text_input	

Outputs

Output	Description	Type
OUTPUT_DVSWITCH_NAME	dvSwitch Name	dvSwitchName
OUTPUT_DATACENTER_NAME	VMware Datacenter Name	datacenterName
OUTPUT_VMWARE_ACCOUNT_NAME	VMware account name.	gen_text_input
OUTPUT_VMWARE_DVSWITCH_IDENTITY	Identity of the DVSwitch	VMwareDVSwitchIdentity

Generate VMware Generic PortGroup Identity

Summary

Description

Inputs

Input	Description	Mappable To Type	Mandatory
Account Name	Select the cloud name.	gen_text_input	Y
Port Group Type	Enter the port group type like Virtual Machine Portgroup,Distributed Virtual Portgroup	gen_text_input	Y
vSwitch/DVSwitch	Enter the vSwitch/DVSwitch name.	gen_text_input	Y
Port Group/DV Port Group	Enter the port group/dv port group name.	gen_text_input	Y

Outputs

Output	Description	Type
OUTPUT_VMWARE_VM_PORT_GROUP_IDENTITY	Identity of the VMware Generic port Group	vmwareVmPortGroup Identity

Migrate Default VMWare vSwitch to DVSwitch

Summary

Description

Inputs

Input	Description	Mappable To Type	Mandatory
Account Name	Select the cloud name to associate the Pnic to DVSwitch.	gen_text_input	Y
Host Node	The hode node IPAddress.	vmwareHostMultiSelect	Y
DVSwitch Name	Select the DVSwitch to which physical NICs and VMKNICs need to be migrated.	dvSwitchName	Y
uplinkPortGroup Name	Select the uplink PortGroup to which the PNICs need to be migrated.	uplinkPortGroupLovList	Y

Outputs

No Outputs

Migrate Default VMware vSwitch to DVSwitch By Mapping Policy

Summary Description Inputs

Input	Description	Mappable To Type	Mandatory
Account Name	Select the cloud name to associate the Pnic to DVSwitch.	gen_text_input	Y
Host Node	The hode node IPAddress.	vmwareHostMultiSelect	Y
DVSwitch Name	Select the DVSwitch to which physical NICs and VMKNICs need to be migrated.	dvSwitchName	Y
uplinkPortGroup Name	Select the uplink PortGroup to which the PNICs need to be migrated.	uplinkPortGroupLovList	Y
Select Mapping Policy Name	Select the name of the mapping policy.	gen_text_input	Y

Outputs

No Outputs

Migrate VMware vSwitch PNIC to dvSwitch

Summary

Description

Inputs

Input	Description	Mappable To Type	Mandatory
Account Name	Select the cloud name to migrate the PNICs to DVSwitch.	gen_text_input	Y
Host Node	The hode node IPAddress.	gen_text_input	Y
vSwitch Name	The name of the vSwitch from which the PNICs need to be migrated.	gen_text_input	Y
Physical Nics	Physical Nics associated with the vSwitch that need to be migrated to DVSwitch.	vmwarePnicMultiSelect	Y
DVSwitch Name	Select the DVSwitch to which the PNICs need to be migrated.	dvSwitchName	Y
uplinkPortGroup Name	Select the uplink PortGroup to which the PNICs need to be migrated.	uplinkPortGroupLovList	Y

Outputs

No Outputs

Migrate VMware vSwitch VMkernel Port to dvSwitch

Summary

Description

Inputs

Input	Description	Mappable To Type	Mandatory
VMkernel Port	Select the vSwitch VMkernel Port to migrate.	vmwarevmkernelPortIdentity	Y
DVPort Group	Select the DVPort Group to migrate VMKNIC.	VMwareDVPortgroupIdentity	Y

Outputs

Output	Description	Type
OUTPUT_VMWARE_DV_PORT_GROUP_IDENTITY	Identity of the DVPort Group	VMwareDVPortgroupIdentity
OUTPUT_VMKERNEL_PORT_IDENTITY	Identity of the VMkernel Port	vmwarevmkernelPortIdentity

Modify VMWare DVSwitch For NIOC

Summary

Description

Inputs

Input	Description	Mappable To Type	Mandatory
DVSwitch Name	Select the DVSwitch to be Modify.	VMwareDVSwitch Identity	Y
Enable Network I/O Control on DVSwitch	Enable Network I/O Control on a vSphere Distributed Switch		

Outputs

Output	Description	Type
OUTPUT_DVSWITCH_NAME	dvSwitch Name	dvSwitchName
OUTPUT_DATACENTER_NAME	VMware Datacenter Name	datacenterName
OUTPUT_VMWARE_DVSWITCH_IDENTITY	Identity of the DVSwitch	VMwareDVSwitchIdentity

Modify VMWare DVSwitch For System Network Resource Pool Traffic Setting

Summary
Description
Inputs

Input	Description	Mappable To Type	Mandatory
DVSwitch Name	Select the DVSwitch to be Modify.	VMwareDVSwitch Identity	Y
System Network Resource Pool	Select the System Network Resource Pool to be Modify.		Y
Share Value	Select Physical adapters share value.		Y
Custom Value	Modify share value.		Y

Outputs

Output	Description	Type
OUTPUT_DVSWITCH_NAME	dvSwitch Name	dvSwitchName
OUTPUT_DATACENTER_NAME	VMware Datacenter Name	datacenterName
OUTPUT_VMWARE_DVSWITCH_IDENTITY	Identity of the DVSwitch	VMwareDVSwitchIdentity

Modify VMWare dv PortGroup

Summary

Description

Inputs

Input	Description	Mappable To Type	Mandatory
dvPortGroup Name	Select the dvPortGroup to be deleted.	VMwareDVPortgroup Identity	Y
NetWork Label	Enter Network Label	gen_text_input	
Number of Ports	Enter number of ports to be created.	gen_text_input	Y
Port binding	Select the binding type for the ports.	VMwareDVPortGroupPort Binding	Y
VLAN ID	Enter the VLAN ID to be associated with the dvPortGroup.	vlanID	Y
Promiscuous Mode(Accept)	Promiscuous Mode(Accept) for the dvPortGroup.	promiscuousModeAccept	

Outputs

Output	Description	Type
OUTPUT_DV_PORT_GROUP_NAME	VMware DVPort Group Name	dvPortGroupName
OUTPUT_DVSWITCH_NAME	dvSwitch Name	dvSwitchName
OUTPUT_VLAN_ID	VLAN ID	vlanID
OUTPUT_VMWARE_DVSWITCH_IDENTITY	Identity of the DVSwitch	VMwareDVSwitchIdentity
OUTPUT_VMWARE_DV_PORT_GROUP_IDENTITY	Identity of the DVPort Group	VMwareDVPortgroup Identity

Modify VMWare dvSwitch Teaming and Failover Settings

Summary
Description
Inputs

Input	Description	Mappable To Type	Mandatory
dvSwitch Name	Select the DVSwitch to be modified.	VMwareDVSwitch Identity	Y
dvPortGroup Name(s)	Select the dvPortGroups to be modified.	VMwareDVPortgroup Identity	Y
Load Balancing	Select Load Balancing.	gen_text_input	Y
Network Failover Detection	Select Network Failover Detection.	gen_text_input	Y
Notify Switches	Select Notify Switches.	gen_text_input	Y
Failback	Select FailBack.	gen_text_input	Y
Failover Order:	Select active and standby uplinks. During failover, standby uplinks activate in the order specified below:		
Active Uplinks	Comma separated list of active uplink names.		Y
Standby Uplinks	Comma separated list of standby uplink names.		Y

Outputs

Output	Description	Type
OUTPUT_DV_PORT_GROUP_NAME	VMware DVPort Group Name	dvPortGroupName
OUTPUT_DVSWITCH_NAME	dvSwitch Name	dvSwitchName
OUTPUT_VMWARE_DVSWITCH_IDENTITY	Identity of the DVSwitch	VMwareDVSwitchIdentity
OUTPUT_VMWARE_DV_PORT_GROUP_IDENTITY	Identity of the DVPort Group	VMwareDVPortgroup Identity

Modify VMkernel Port Properties

Summary

Enables or disables vMotion on the VMkernel port.

Description

This task enables or disables vMotion, management, and fault tolerance logging on the VMkernel port.

Inputs

Input	Description	Mappable To Type	Mandatory
VMkernel Port	Select the vSwitch VMkernel Port.	vmwarevmkNic Identity	Y
Enable vMotion	Enable vMotion	Boolean	
Enable Fault Tolerance	Enable Fault Tolerance	Boolean	
Enable Management	Enable Management	Boolean	
Enable vSphere Provisioning	Enable vSphere Provisioning	Boolean	
Enable vsan	Enable vsan	Boolean	
Enable vSphereReplicationNFC	Enable vSphereReplicationNFC	Boolean	
Enable vSphereReplication	Enable vSphereReplication	Boolean	

Outputs

Output	Description	Type
OUTPUT_VMKERNEL_PORT_IDENTITY	Identity of the VMkernel Port	vmwarevmkernelPortIdentity

Modify VMware PortGroup

Summary

Modifies a port group.

Description

This task modifies a port group of a vSwitch.

Inputs

Input	Description	Mappable To Type	Mandatory
PortGroup Name	Select the PortGroup to be Modify.	portGroupIdentity	Y
vLan Id	The vLan Id for the portgroup.	gen_text_input	
Promiscuous Mode(Accept)	Promiscuous Mode(Accept) for the PortGroup.	promiscuousModeAccept	
NetWork Label	Enter Network Label	gen_text_input	
MTU	MTU	gen_text_input	
Enable DHCP	Enbale DHCP	Boolean	
Network Type	Select the network type.	gen_text_input	
Static IP Pool	Provide IP address range or comma separated IP addresses or both	StaticPoolIP	
Subnet Mask	Enter Subnet Mask.	subnetMask	
Gateway IP Address	IP Address of the default gateway for this network	gen_text_input	

Outputs

Output	Description	Type
OUTPUT_PORT_GROUP_NAME	Name of the Port Group on which the selected operation was performed	gen_text_input
OUTPUT_PORT_GROUP_VLAN	VLAN of the Port Group on which the selected operation was performed	vlanID
OUTPUT_PORT_GROUP_IDENTITY	Identity of the Port Group	portGroupIdentity
OUTPUT_VMKERNAL_PORT_IDENTITY	Identity of the VMkernel Port	vmwarevmkernelPort Identity

Modify VMware VM Network

Summary

Changes the VM network adapter port group.

Description

This task changes the VM network adapter port group. The destination port group can be either a virtual port group or a distributed virtual port group.

Inputs

Input	Description	Mappable To Type	Mandatory
Select VM	Select the VM.	vm	Y
Select Network Adapter	Select Network Adapter for which network need to be modified.	gen_text_input	Y
Select PortGroup Type	Specify type of Port Group : Virtual Portgroup or Distributed Virtual Portgroup	portGroupType	Y
Specify Portgroup Name	Name of the port group to be associated.	gen_text_input	Y

Outputs

Output	Description	Type
OUTPUT_VM_ID	ID of the VM on which the selected operation was performed	vm
OUTPUT_VMWARE_VM_NET_ADAPTER_NAME	VM Network adapter name.	gen_text_input
OUTPUT_PORT_GROUP_TYPE	Type of Port Group: Virtual Portgroup or Distributed Virtual Portgroup	portGroupType
OUTPUT_PORT_GROUP_NAME	Name of the Port Group on which the selected operation was performed	gen_text_input

Modify VMware vSwitch

Summary

Modifies the MTU size on a vSwitch.

Description

This task modifies the MTU size for a vSwitch on the selected Host.

Inputs

Input	Description	Mappable To Type	Mandatory
vSwitch	Select the vSwitch to which MTU size need to be added.	gen_text_input	Y
MTU	MTU	gen_text_input	

Outputs

No Outputs

Remove DV Port Group from Group

Summary

Unassigns a DV port group from an assigned UCS Director group.

Description

This task unassigns a distributed virtual port group from an assigned UCS Director group.

Inputs

Input	Description	Mappable To Type	Mandatory
dvPortGroup Name	Select the dvPortGroup to be deleted.	VMwareDVPortgroupIdentity	Y

Outputs

No Outputs

Remove VMware Networking

Summary

Removes the Virtual Machine, VMKernel or Service Console VMware Network Connection types.

Description

The task removes the Virtual Machine, VMKernel or Service Console VMware Connection types from a vSwitch present in a host.

Inputs

Input	Description	Mappable To Type	Mandatory
PortGroup Name	Select the Network Connection to be deleted.	portGroupIdentity	Y

Outputs

No Outputs

Remove VMware Virtual Adapters

Summary

Removes virtual adapters for the host on a DvSwitch.

Description

This task removes a virtual adapter for the host that is present on a DvSwitch.

Inputs

Input	Description	Mappable To Type	Mandatory
Account Name	Select the cloud name to remove the Virtual Adapter.	gen_text_input	Y
Host Node	Select the hode node IPAddress to remove the Virtual Adapter.	gen_text_input	Y
Virtual Adapter	Select the Virtual Adapters to be removed from the host.	gen_text_input	Y

Outputs

No Outputs

UnAssign Port Group from User Group

Summary

Unassigns a port group from an assigned UCS Director group.

Description

This task unassigns a port group from an assigned UCS Director group.

Inputs

Input	Description	Mappable To Type	Mandatory
PortGroup Name	Select the PortGroup to be unassign from group.	portGroupIdentity	Y

Outputs

No Outputs

UnAssociate PNICs from VMWare vSwitch

Summary

Unassociates a host physical NICs from a vSwitch.

Description

The task unassociates a host physical NICs from a vSwitch.

Inputs

Input	Description	Mappable To Type	Mandatory
vSwitch Name	Select the vSwitch to which pnic need to be UnAssociated.	vmwareVSwitchIdentity	Y
Physical Nics	Select the Used Physical Nics that needs to be UnAssociated.	vmwareUsedPnicMultiSelect	Y

Outputs

Output	Description	Type
OUTPUT_VMWARE_ACCOUNT_NAME	VMware account name.	gen_text_input
OUTPUT_DATACENTER_NAME	VMware Datacenter Name	datacenterName
HOST_NAME	Host Name	vmHost
OUTPUT_VMWARE_VSWITCH_IDENTITY	Identity of the vSwitch	vmwareVSwitchIdentity
OUTPUT_VMWARE_HOST_NODE_IDENTITY	VMware Host Node Identity	vmwareHostNodeIdentity
OUTPUT_VMWARE_HOST_NODE_PNIC_IDENTITY	VMware Host Node PNIC Identity	gen_text_input

Update Network Policy

Summary

Create a vmWare network policy.

Description

This task creates a network policy in a vmWare network.

Inputs

Input	Description	Mappable To Type	Mandatory
Virtual Switch Name	Virtual Switch Name	gen_text_input	Y
Port Group Name	Port Group Name	gen_text_input	Y
PortGroup Type	Specify type of Port Group : Virtual Portgroup or Distributed Virtual Portgroup	portGroupType	Y
Select vDC	Select vDC profile to create the vDC	vDC	Y

Outputs

Output	Description	Type
OUTPUT_PORT_GROUP_TYPE	Type of Port Group: Virtual Portgroup or Distributed Virtual Portgroup	portGroupType

