

VCenter Cloud Provider Resource Configuration Cheatsheet (vCenter 6.7 and up)

This cheat sheet describes the different settings in the vCenter cloud provider resource and where to find each required vCenter object in vSphere Client. Please feel free to use it for reference when creating/modifying your vCenter cloud provider resource.

RESOURCE

VCENTER RESOURCE

Edit Resource Details

USER	Enter Value	
PASSWORD	
DEFAULT DATACENTER	i Enter Value	
VM STORAGE	i Enter Value	
HOLDING NETWORK	i Enter Value	
VM LOCATION	i QualiSystems	
DEFAULT DVSWITCH	i Enter Value	
VM CLUSTER	i Enter Value	
VM RESOURCE POOL	i Enter Value	
SHUTDOWN METHOD	i hard	
EXECUTION SERVER SELECTOR	i Enter Value	

Validation & Discovery

Checks that the inputs are valid for the target vCenter

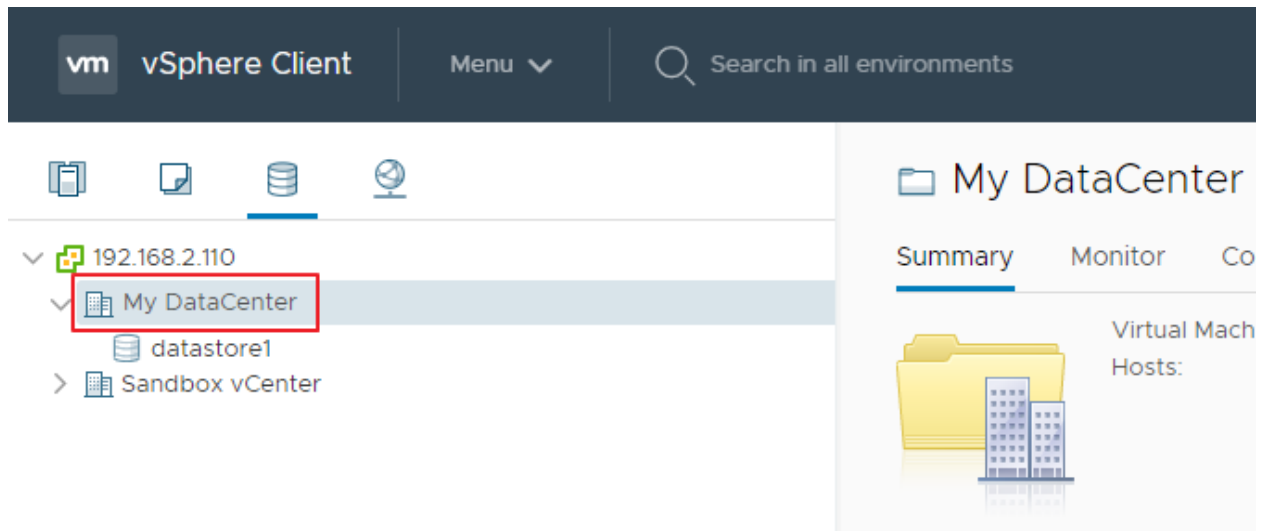
Continue Cancel

- **User/Password:** vSphere user with appropriate role on the vCenter root and child objects. User should include corporate domain, if available (e.g. "QualiSystems\steven.g").

For details on user settings, see [Required vCenter User Permissions per Deployment Type](#).

- **Default Datacenter:** vCenter datacenter to be used to deploy VMs. All other objects in the cloud provider resource must be associated with this datacenter.

Located in the **Menu>Storage** dashboard. For example:

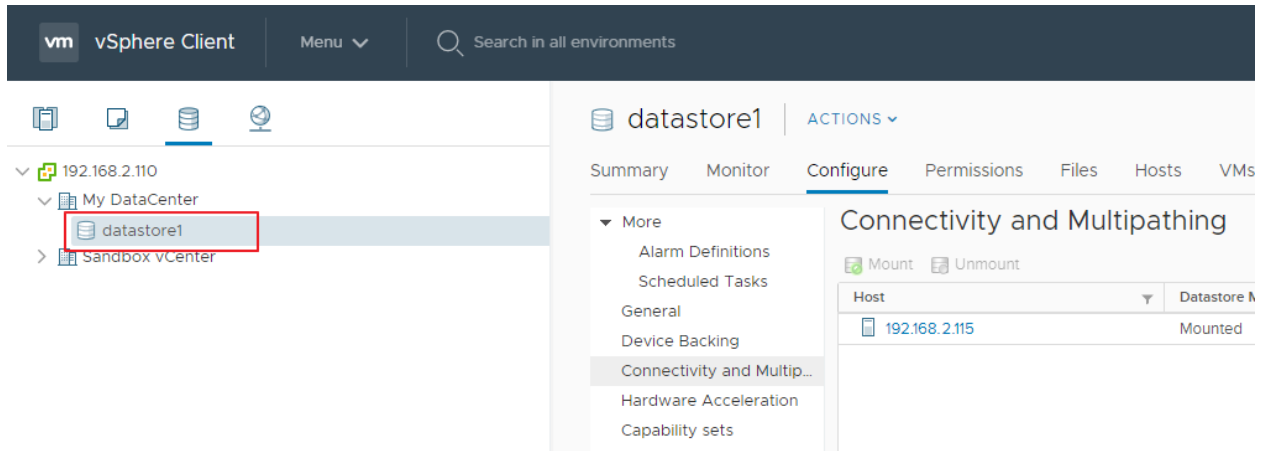


- **Saved Sandbox Storage:** (Requires **Save and Restore** paid add-on) Datastore or datastore cluster on which to store the VM clone, which will be used to recreate the VM when restoring the saved sandbox.
- **Behavior During Save:** (Requires **Save and Restore** paid add-on) Determines the VM's state while saving the sandbox. Options are:
 - **Remain Powered On:** (Default) The VM will remain powered on during the saving state.
 - **Power Off:** If the VM was powered on before the sandbox entered the saving state, the VM will shut down (power off) for the duration of the save.

Note: After save has ended, the VM returns to its state prior to saving, regardless of the behavior during the save.

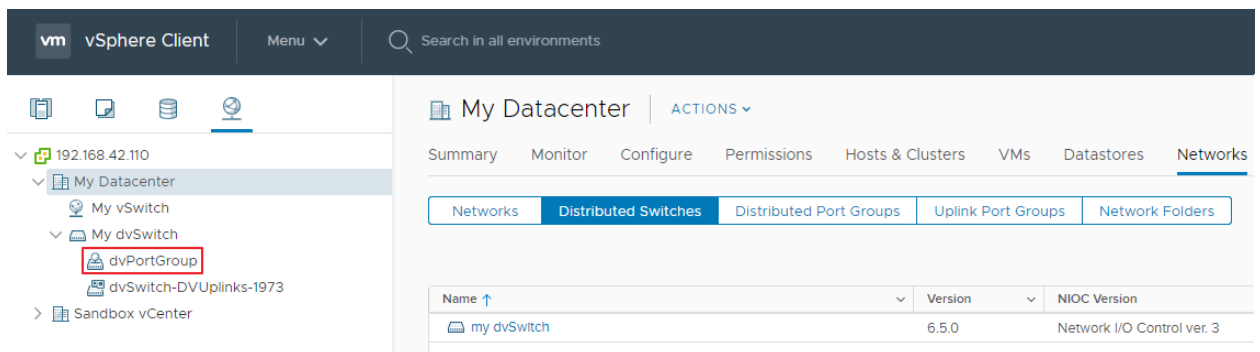
- **VM Storage:** Datastore or datastore cluster in which the VMs will be created. If you specify a datastore, include the datastore cluster in the path (e.g. "datastore cluster/datastore 1").

Located in the **Menu>Storage** dashboard. For example, a datastore under the "My DataCenter" datacenter:



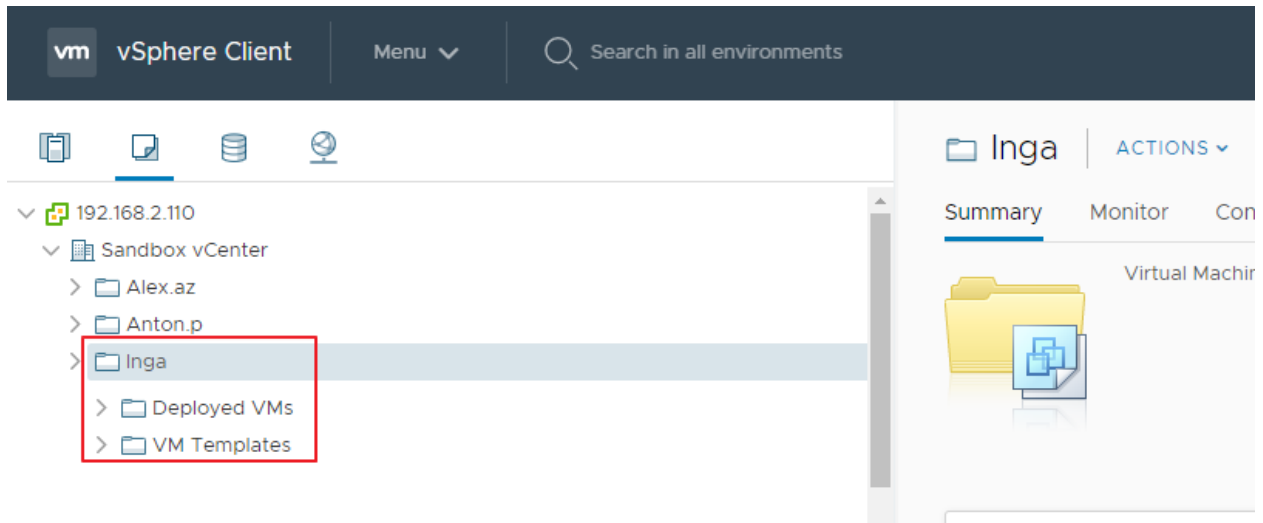
- **Holding Network:** Network or port group to be used for the VM’s vNICs when disconnecting them from another network (do not include the dvSwitch in the value). The network must be under the dvSwitch you will use.

Located in the **Menu>Networking** dashboard, under the dvSwitch. For example:



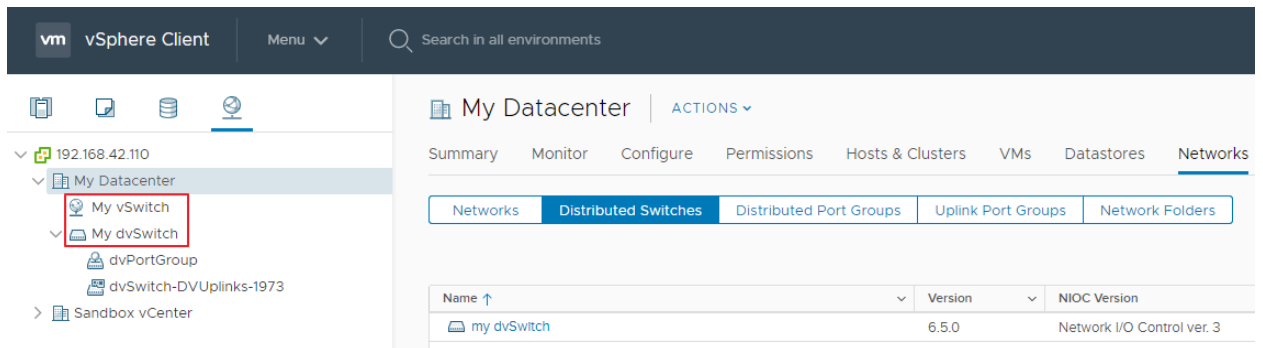
- **VM Location:** vCenter folder in which the App VM will be created. The folder must exist before creating the vCenter cloud provider resource. Default value is “QualiSystems”. To specify a sub-folder, include the folder path to the datacenter, excluding the datacenter (e.g. “QualiSystems/My VMs”).

Located in the **Menu>VMs and Templates** dashboard. For example:



- **Default dvSwitch:** (Required for networking with other VMs/devices in the sandbox) vSwitch or dvSwitch to use for managing VLAN connectivity. Make sure it's the defined holding network's switch.

Located in the **Menu>Networking** dashboard. For example, the dvSwitches in the "My DataCenter" datacenter:



- **VM Cluster:** ESXi host or host cluster to use. To specify a host, include the cluster in the path (e.g. "QualiSB Cluster/192.168.42.113").

Located in **Hosts and Clusters** dashboard. For example, host 192.168.2.115 under the "Shells Cluster" cluster:

The screenshot shows the vSphere Client interface. In the left-hand navigation pane, the path is: 192.168.2.110 > My Datacenter > My Cluster > My Resource Pool > 192.168.2.115. The '192.168.2.115' item is highlighted with a red box. The right-hand pane shows the summary for this VM, including a server icon and the following details:

Hypervisor:	VMware E
Model:	PowerEdge
Processor Type:	Intel(R) Xe
Logical Processors:	4
NICs:	4
Virtual Machines:	9
State:	Connected
Uptime:	173 days

- **VM Resource Pool:** (Required if a **VM Cluster** is defined) Resource pool in the defined cluster. Do not include the cluster name in the path.

Located in **Hosts and Clusters** dashboard. For example:

The screenshot shows the vSphere Client interface. In the left-hand navigation pane, the path is: 192.168.2.110 > My Datacenter > My Cluster > My Resource Pool. The 'My Resource Pool' item is highlighted with a red box. The right-hand pane shows the summary for this resource pool, including a pie chart and the following details:

VMs and Templates:	
Powered on VMs:	
Child Resource Pools:	
Child vApps:	

- **Shutdown Method:** VM shutdown method when powering off App.
 - **Hard:** Shutdown VM immediately, without powering off any running applications.
 - **Soft:** Power off any running applications on VM before shutdown.
- **Execution Server Selector:** Allows associating specific Execution Servers with the deployment and command executions performed by this cloud provider. This attribute is typically used in CloudShell deployments spread across different geographical locations to link the deployment to the Execution Server that is physically closest to the vCenter Server. For details, see [Managing Private Cloud Apps in Domains](#).
- **OVF Tool Path:** (Relevant for Apps deploying VMs from an OVF image) Path to OVF Tool on the execution server or on a shared location.

- **Reserved Networks:** Networks of VNICs not to be used for VM connectivity. Use semicolons to specify multiple networks.
- **Promiscuous Mode:** Determines whether the port groups on the virtual switch allow all incoming traffic. Set to **False** to disable this mode.