

Test_n_Demo

Thursday, March 28, 2019

5:06 PM

Create machines w2, w3, w4 (concurrent)

The screenshot shows the vSphere Client interface for a cluster named 'mgmt_cluster'. The left sidebar displays a tree view with the cluster and its members, including 'cluster.sujeet.worker.w1', 'cluster.sujeet.worker.w2', 'cluster.sujeet.worker.w3', and 'cluster.sujeet.worker.w4'. The main pane shows the 'Configure' tab for the cluster, with the 'VM/Host Rules' section expanded. Below this, the 'Recent Tasks' table shows the progress of cloning virtual machines:

Task Name	Target	Status	Initiator	Queued For	Start Time	Completion Time	Server
Reconfigure cluster	mgmt_cluster	Completed	VSPHERE.LOCAL\Ad...	5 ms	03/28/2019, 4:09:58 AM	03/28/2019, 4:09:58 AM	vxlan-vm-111-111
Clone virtual machine	template-vm	42%	VSPHERE.LOCAL\Ad...	8 ms	03/28/2019, 4:09:33 AM		vxlan-vm-111-111
Clone virtual machine	template-vm	46%	VSPHERE.LOCAL\Ad...	6 ms	03/28/2019, 4:09:28 AM		vxlan-vm-111-111

The screenshot shows the vSphere Client interface for the same cluster 'mgmt_cluster'. The 'Recent Tasks' table shows the progress of cloning virtual machines at a later stage:

Task Name	Target	Status	Initiator	Queued For	Start Time	Completion Time	Server
Clone virtual machine	template-vm	46%	VSPHERE.LOCAL\Ad...	8 ms	03/28/2019, 4:09:33 AM		vxlan-vm-111-111
Clone virtual machine	template-vm	50%	VSPHERE.LOCAL\Ad...	6 ms	03/28/2019, 4:09:28 AM		vxlan-vm-111-111
Clone virtual machine	template-vm	50%	VSPHERE.LOCAL\Ad...	6 ms	03/28/2019, 4:09:23 AM		vxlan-vm-111-111

Cluster and Machine Spec

```
$ egrep -e "aff|ant" *.yaml | grep -v want
```

```
cluster.yaml:    affinity:
```

```
cluster.yaml:      - aff1
```

```
cluster.yaml:      - aff2
```

```
cluster.yaml:    antiaffinity:
```

```
cluster.yaml:      - ant1
```

```
cluster.yaml:      - ant2
```

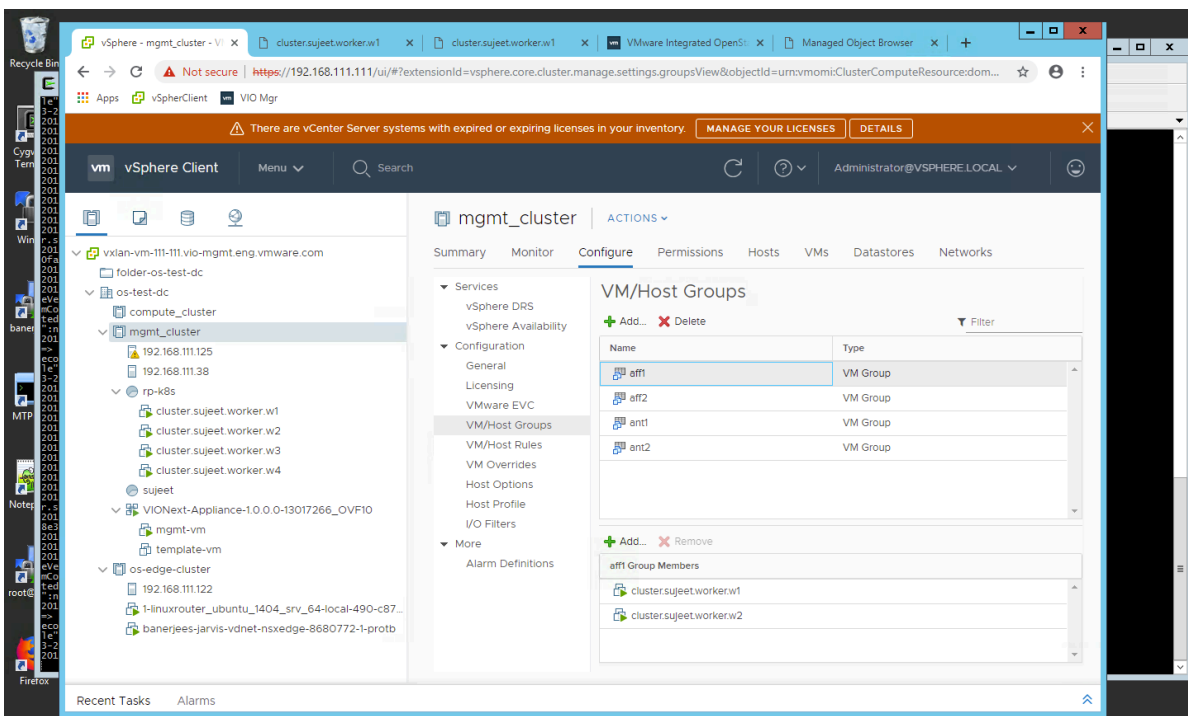
```
worker.w1.yaml:  affinity: aff1
```

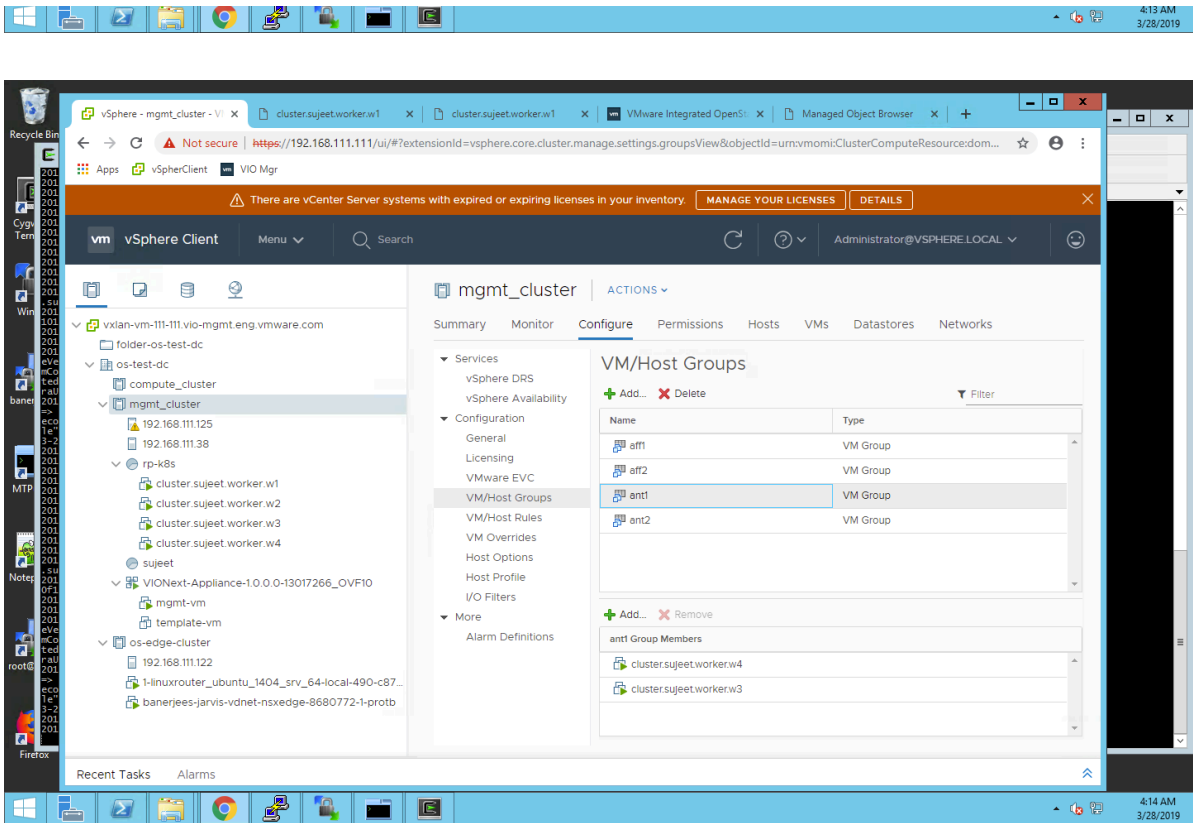
```
worker.w2.yaml:  affinity: aff1
```

```
worker.w3.yaml:  affinity: ant1
```

```
worker.w4.yaml:  affinity: ant1
```

VM Groups Created in vSphere

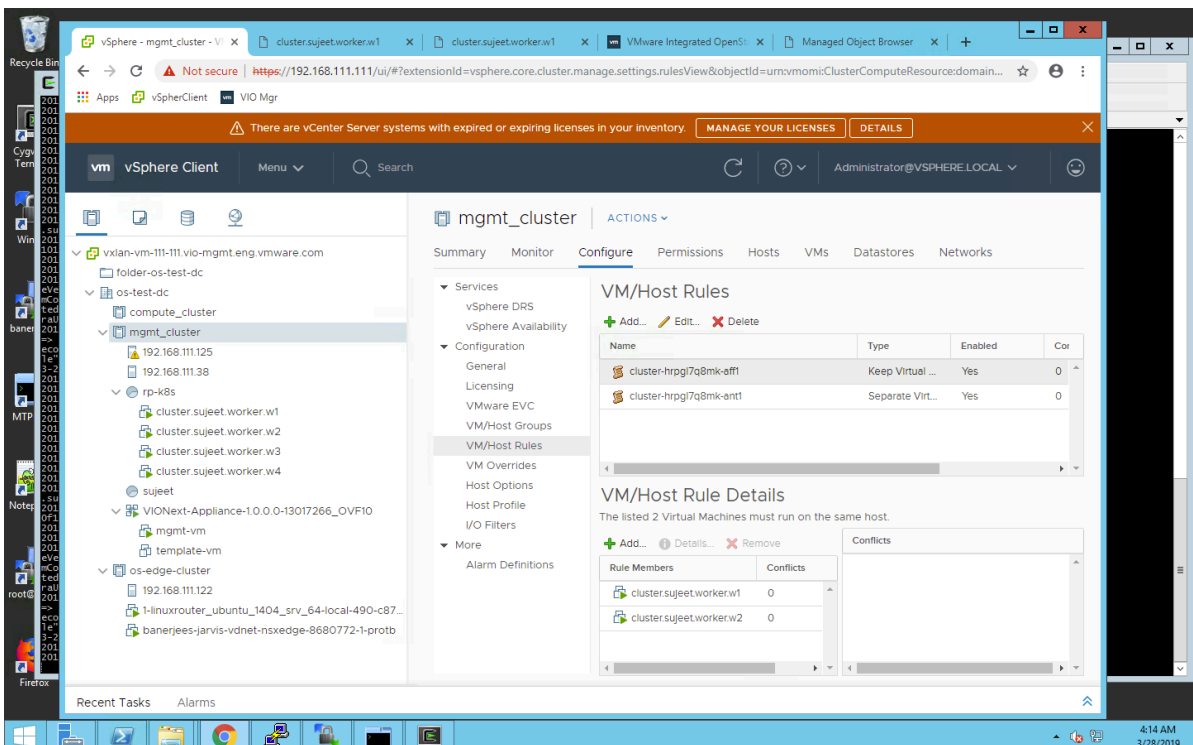


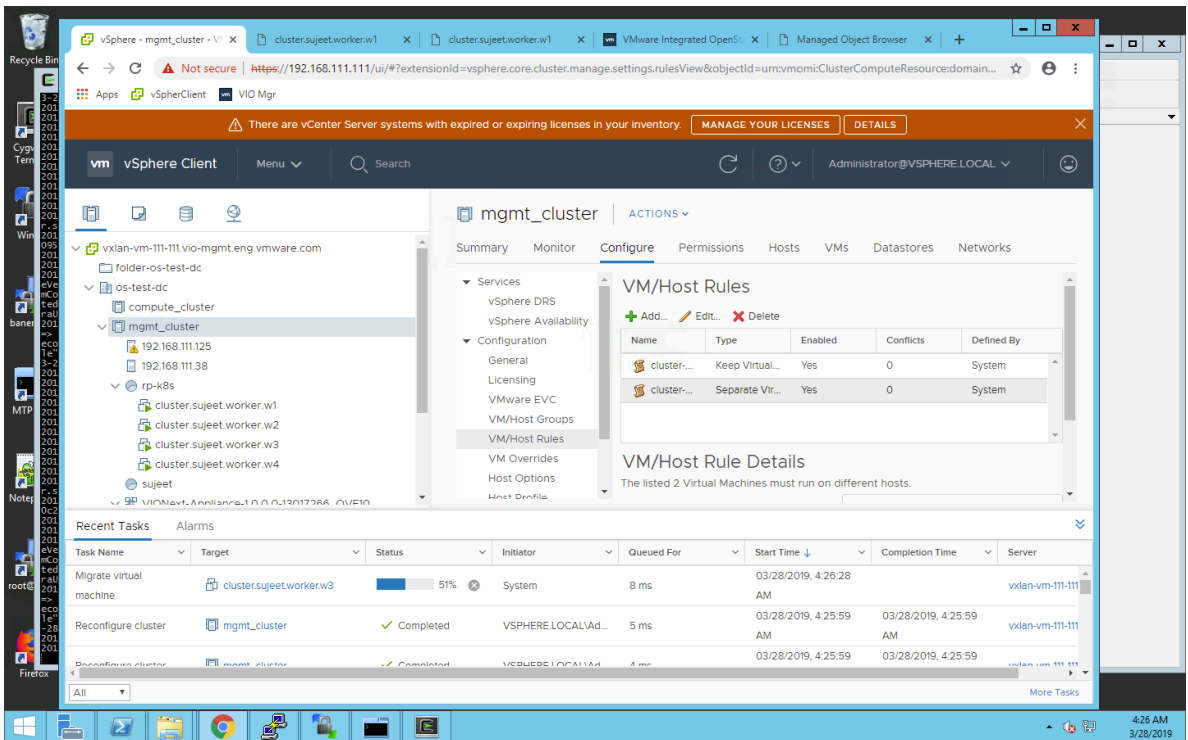
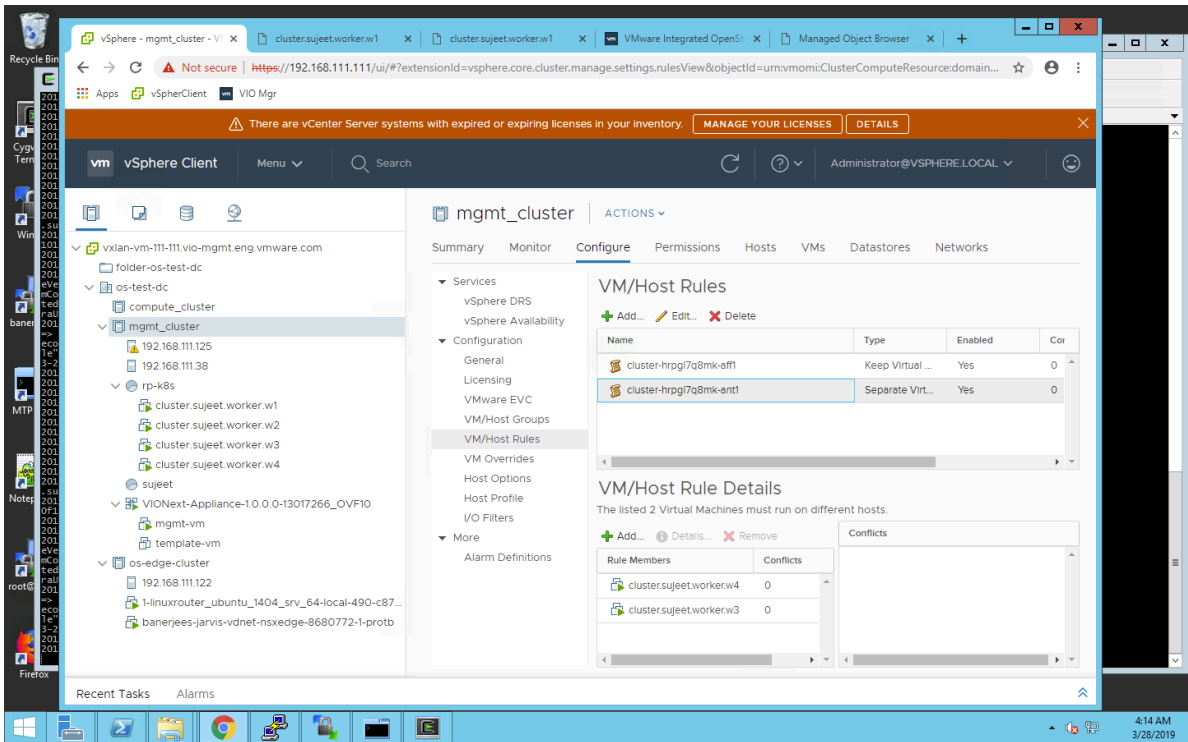


Rules created in vSphre

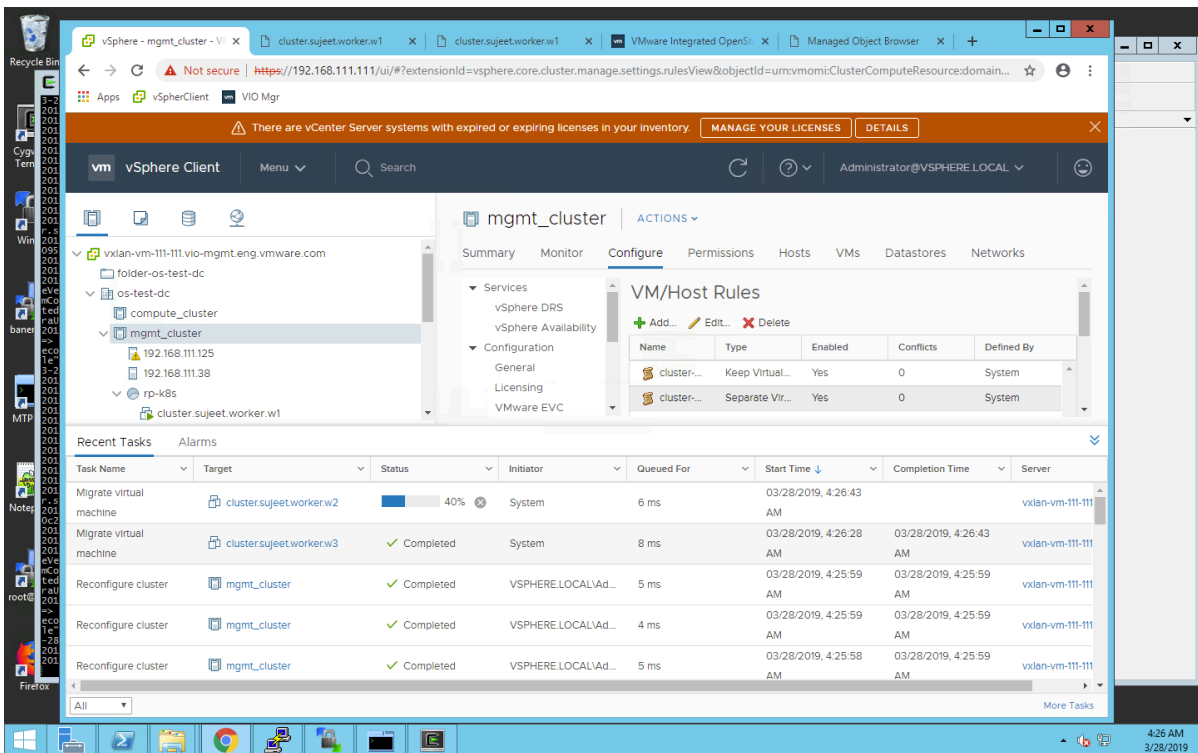
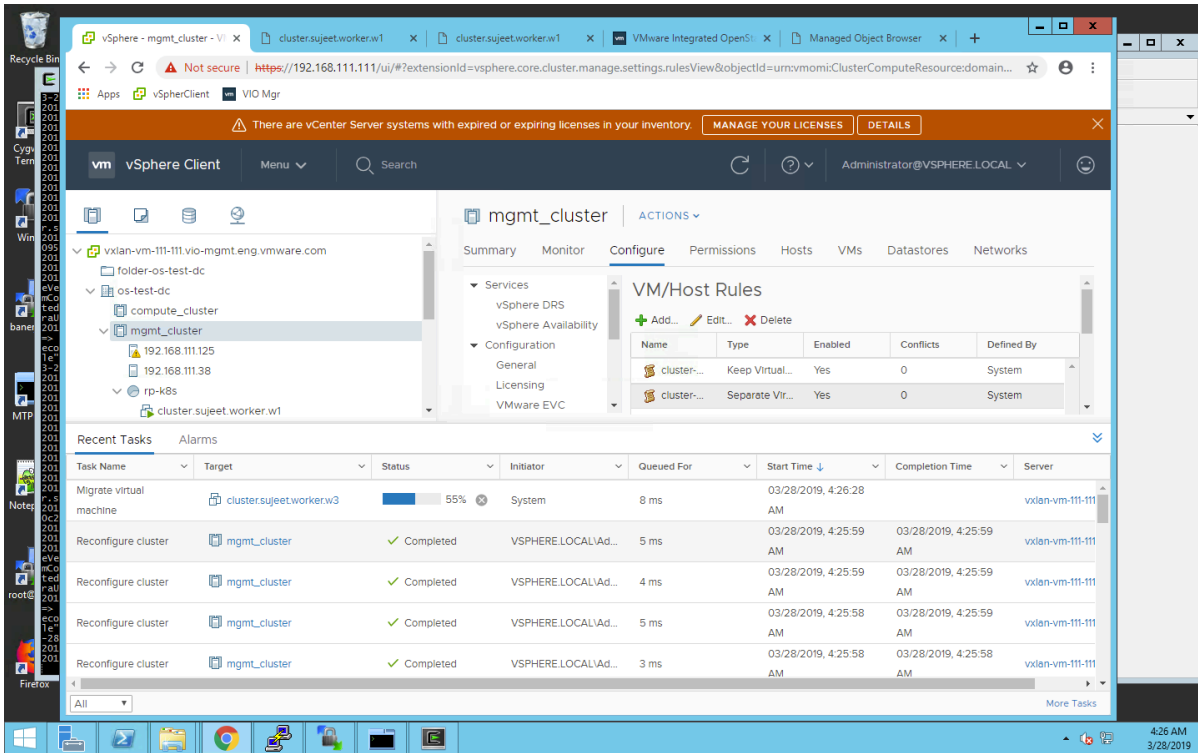
Rule1: W1 and W2 must be on the same host

Rule2: W3 and W4 must be on different hosts





vMotion triggered by vSphere



Verification

Worker nodes are aligned as per the rules...

Rule1: W1 and W2 must be on the same host

Rule2: W3 and W4 must be on different hosts

The screenshot shows the vSphere Client interface for host 192.168.111.125. The left sidebar shows a tree view with the following structure:

- vxlan-vm-111-111.vio-mgmt.eng.vmware.com
 - folder-os-test-dc
 - compute_cluster
 - mgmt_cluster
 - 192.168.111.125
 - rp-k8s
 - cluster.sujeet.worker.w1
 - cluster.sujeet.worker.w2
 - cluster.sujeet.worker.w3
 - cluster.sujeet.worker.w4

The main pane displays a table of Virtual Machines:

Name	State	Status	Provisioned Space	Used Space	Host
cluster.sujeet.worker.w1	Powered On	Normal	1711 GB	4.98 GB	171
cluster.sujeet.worker.w2	Powered On	Normal	1711 GB	4.98 GB	27
cluster.sujeet.worker.w4	Powered On	Normal	1711 GB	4.98 GB	171

Recent Tasks table:

Task Name	Target	Status	Initiator	Queued For	Start Time	Completion Time	Server
Reconfigure cluster	mgmt_cluster	Completed	VSPHERE.LOCAL\Ad...	8 ms	03/28/2019, 4:27:59 AM	03/28/2019, 4:27:59 AM	vxlan-vm-111-111
Reconfigure cluster	mgmt_cluster	Completed	VSPHERE.LOCAL\Ad...	4 ms	03/28/2019, 4:27:59 AM	03/28/2019, 4:27:59 AM	vxlan-vm-111-111

The screenshot shows the vSphere Client interface for host 192.168.111.38. The left sidebar shows a tree view with the following structure:

- vxlan-vm-111-111.vio-mgmt.eng.vmware.com
 - folder-os-test-dc
 - compute_cluster
 - mgmt_cluster
 - 192.168.111.125
 - 192.168.111.38
 - rp-k8s
 - cluster.sujeet.worker.w1
 - cluster.sujeet.worker.w2
 - cluster.sujeet.worker.w3
 - cluster.sujeet.worker.w4

The main pane displays a table of Virtual Machines:

Name	State	Status	Provisioned Space	Used Space	Host
cluster.sujeet.worker.w3	Powered On	Normal	1711 GB	4.98 GB	37
mgmt-vm	Powered On	Normal	42.11 GB	18.16 GB	27
template-vm	Powered Off	Normal	11.18 GB	2.87 GB	01

Recent Tasks table:

Task Name	Target	Status	Initiator	Queued For	Start Time	Completion Time	Server
Reconfigure cluster	mgmt_cluster	Completed	VSPHERE.LOCAL\Ad...	8 ms	03/28/2019, 4:27:59 AM	03/28/2019, 4:27:59 AM	vxlan-vm-111-111
Reconfigure cluster	mgmt_cluster	Completed	VSPHERE.LOCAL\Ad...	4 ms	03/28/2019, 4:27:59 AM	03/28/2019, 4:27:59 AM	vxlan-vm-111-111

