What is a Cluster?

A cluster is a group of hosts. When you add a host to a cluster, the host’s resources become a part of the cluster’s resources. The cluster manages the resources of all hosts within it.

Clusters enable the vSphere High Availability (HA), the vSphere Distributed Resource Scheduler (DRS), and the Virtual SAN (VSAN) solutions.

Basic Tasks:
- Add a host
- Create a new virtual machine

Explore Further:
- Learn more about clusters
- Learn more about resource pools
What is a Cluster?

A cluster is a group of hosts. When you add a host to a cluster, the hosts' resources become a part of the cluster's resources. The cluster manages the resources of all hosts within it.

Clusters enable the vSphere High Availability (HA), the vSphere Distributed Resource Scheduler (DRS), and the Virtual SAN (VSAN) solutions.

Basic Tasks
- Add a host
- Create a virtual machine

Explore Further
- Learn more about clusters
- Learn more about resource pools
Add Host

1 Name and location
   Enter the name or IP address of the host to add to vCenter Server.
   Host name or IP address: 144.38.194.2

2 Connection settings

3 Host summary
   Location: cluster_one

4 Ready to complete
   Type: ESXi
Enter the administrative account information for the host. The vSphere Web Client will use this information to connect to the host and establish a permanent account for its operations.

User name: root
Password: **********
### Host Summary

<table>
<thead>
<tr>
<th>Name</th>
<th>144.38.194.2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vendor</td>
<td>Supermicro</td>
</tr>
<tr>
<td>Model</td>
<td>X9SCL/X9SCM</td>
</tr>
<tr>
<td>Version</td>
<td>VMware ESXi 6.0.0 build-3620759</td>
</tr>
</tbody>
</table>

**Virtual Machines**
- Windows10 Sample
- asdf
- ub2
- parrot
- asdfa
Assignment Validation for Evaluation License

⚠️ The license expires in 52 days.
Add Host

5. Lockdown mode

When enabled, lockdown mode prevents remote users from logging directly into this host. The host will only be accessible through local console or an authorized centralized management application.

- Disabled
- Normal
- Strict

The host is accessible only through the local console or vCenter Server. The Direct Console UI service is stopped.

If you are unsure what to do, leave lockdown mode disabled. You can configure lockdown mode later by editing Security Profile in host settings.
<table>
<thead>
<tr>
<th><strong>Name</strong></th>
<th>144.38.194.2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Version</strong></td>
<td>VMware ESXi 6.0.0 build-3620759</td>
</tr>
<tr>
<td><strong>License</strong></td>
<td>Evaluation License</td>
</tr>
<tr>
<td><strong>Networks</strong></td>
<td>VM Network</td>
</tr>
<tr>
<td><strong>Datastores</strong></td>
<td>datastore1, joesnfs, nfs-iso, foorepo</td>
</tr>
<tr>
<td><strong>Lockdown mode</strong></td>
<td>Disabled</td>
</tr>
</tbody>
</table>