## Deploy Virtual Machines on Clusters

The template deploys two virtual machines to an existing cluster in vCenter.

Note: Compellent iSCSI templates are deployed for Hyper V also with minor differences in the OS settings and in the Network Settings, we must not select the Do you want to partition check box.

1. Log in to the Active System Manager interface.
2. Click **Templates-> Sample Templates**.
3. Click **Deploy VMs on Cluster**-> **Clone**.
   The **Clone Template-Deploy VMs on Cluster** window is displayed.
4. In the **Clone Template-Deploy VMs on Cluster** window, edit the following:
   a. Type a name in the **Template Name** field.
   b. From the **Template Category** drop-down menu, select a template category. Select the **Create New Category** option if you want to create a new template category.
   c. In the **Template Description** field, type description for the template.
   d. To update the firmware and software while deploying a service using this template, select the **Manage Server Firmware or Software** check box and select a firmware and software repository from the **Use Firmware/Software Repository** drop-down menu.
   **NOTE**: Changing the firmware repository may update the firmware level on servers for this service. Firmware on shared devices is maintained by the global default firmware repository.
   e. To grant access to standard users to use this templates, select any one of the following options from the **Manage Service Permissions** option:
      i. **All Standard Users —** select this option to provide access to all standard users.
      ii. **Specific Standard Users —** select this option to provide access to specific users. Click **+ Add User(s)** to add the users. To remove users added to list, select the user and click **Remove User(s)**.
   f. Click **Next**.
      The **Additional Settings** window is displayed.
   g. Under **Network Settings**, select a new network from the **Select New Network** drop-down menu.

   h. Click **Finish**.
5. In the **Template Builder**, select **cluster component**, click **Edit**, and then configure the following settings in the Cluster Component dialog box:
   a. From the **Hypervisor Management Software** drop-down menu, select management software of the target hypervisor for SCVMM instance where the clone is created.

b. From the **Host Group** and **Cluster Name** drop-down menu, select host group and cluster name on which virtual machine clone is deployed.

c. Click **Save**.

6. In the **Cluster Settings**, configure the following:

a. From the **Target Hypervisor** drop-down menu, select **target vCenter**.

b. Provide the corresponding names in the **Data Center Name** and **Cluster Name**.

7. In the **Template Builder**, select **virtual machine component**, click **Edit**, and then configure the following settings in the Virtual Machine Component dialog box. Repeat this step for each virtual machine in the cluster:

a. In the **Virtual Machine OS Settings**, perform the following:

1. Enter the Domain Admin Username and Domain Admin Password to add the Hyper-V host to the domain. Enter the domain admin password again to confirm.
Note: It is critical to update the password within this template. There is a masked value present in the template, but there is no actual password set. If you do not set this password, you will not be able to log in to the deployed server.

2. From **OS Image** drop-down menu, select an OS image that is configured to be deployed in ASM managed environment.

b. In the **Virtual Machine Settings**, if the default values are not required then edit the Number of CPUs, Virtual Disk Size, and Memory in MB for each virtual machine.

c. Click **Save**

8. Click **Publish Template**.

Template is ready to be deployed.