Deploy Virtual Machine Template Clone on Hyper-V Cluster

The **Deploy Virtual Machine Template Clone on Hyper-V Cluster** template creates a virtual machine clone of a Hyper-V virtual machine template in SCVMM.

Note: Template cloning does not work if Hyper-V virtual machine template is not configured as per the Active System Manage Quick Installation Guide.

Following are the steps to deploy Hyper-V virtual machine clone:

1. Log in to the Active System Manager interface.
2. Click **Templates-> Sample Templates**.
3. Click **Deploy Virtual Machine Template Clone on Hyper-V Cluster -> Clone**.
   The **Clone Template- Virtual Machine Template Clone on Hyper-V Cluster** window is displayed.
4. In the **Clone Template- Virtual Machine Template Clone on Hyper-V 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 the **Manage Service Permissions** check box, click any one of the following options:
      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 **Cluster Settings**, select a new virtual machine manager from the **Select New Virtual Machine Manager** drop-down menu.
   h. Click **Finish**.
2. On the **Template Builder** page, click **Hyper-V Cluster** component, click **Edit**.
   The **Hyper-V Cluster** component window is displayed.
3. Configure the following settings in the **Cluster Component** window:

a. Under the **Basic Settings** section, edit the name in the **Component Name** field as required.
b. Under the **Associated Resources** section, select **Associate All Resources** or **Associate Selected Resources** to associate all or specific components to the new component.
c. Click **Continue**.
d. From the **Target Virtual Machine Manager** drop-down menu, select management software of the target hypervisor for SCVMM instance where the clone will be created.
e. From the **Host Group** and **Cluster Name** drop-down menu, select host group and cluster name on which virtual machine clone is deployed.
f. Type the cluster IP address in the **Cluster IP Address** field.
g. Click **Save**.

4. On the **Template Builder** page, click the **virtual machine** component, click **Edit** and then configure the following settings for the virtual machine in the **Virtual Machine Component** dialog box:
    a. Under the **Basic Settings** section, edit the name in the **Component Name** field as required.
    b. Under the **Associated Resources** section, select **Associate All Resources** or **Associate Selected Resources** to associate all or specific components to the new component.
    c. Click **Continue**.
    d. Under **Virtual Machine Settings**, configure the following:
        i. If you select the **Auto-generate Host Name** check box, a **VM Name Template** field is displayed.
        In the **VM Name Template** field, type unique VM name for deployment.
        ii. Type description in the **Description** field.
        iii. From the **Template** drop-down menu, select a template.
        iv. Type the path in the **Path** field.
        v. Set the virtual machine network or set static networks already created in ASM as workload networks for the virtual machines.
        vi. Set the default gateway for the static network selected.
        vii. Select the value for **Block Dynamic Optimization**.
        viii. Select the appropriate value from the **Highly Available** drop-down menu.
        ix. In the **Number of CPUs** box, type the number of CPUs.
        x. In the **Memory in MB** box, type the memory specified while configuring a virtual machine.
        xi. Select start and stop action from the **Start Action** and **Stop Action** drop-down menu.
    e. Click **Save**.
5. Click **Publish Template**.
Template is ready to be deployed.