

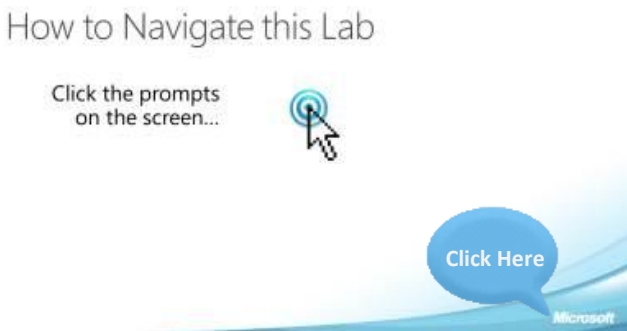




Introduction	Click Instructions	Talking Points
	<p>1.</p>	<p>Welcome to this guided lab on how to “Create Consistency Through Service Templates.”</p>
	<p>2.</p>	<p>This guided lab is the fifth in the Microsoft® Private Cloud series. It is recommended that the 14 labs in this series be taken in order, to best understand the experience and the benefits of working with the Microsoft Private Cloud.</p>

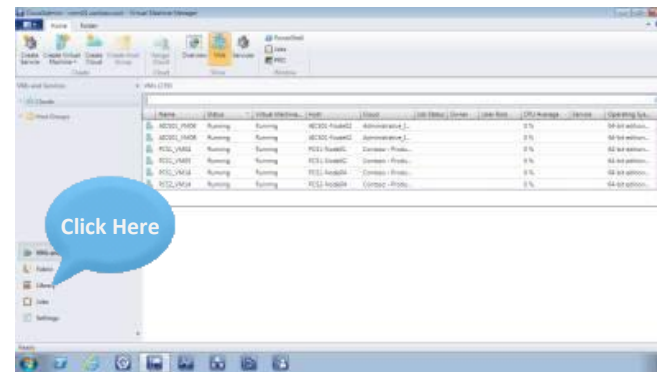
 <p>The diagram illustrates the Microsoft Private Cloud architecture. It shows a flow from 'Self-Service' (with a 'Get-Start' icon) through 'Service Models' to 'Service Delivery and Automation'. This central process is supported by 'Configure/Deploy' (using System Center and Windows Server) and 'Monitor/Operate'. The output is a stack of cloud types: Public Cloud, Private Cloud, and Virtual. A 'Click Here' bubble points to the 'Service Delivery and Automation' section. The bottom bar includes 'APPLICATION MANAGEMENT', 'SERVICE DELIVERY AND AUTOMATION', and 'INFRASTRUCTURE MANAGEMENT'.</p>	<p>3.</p>	<p>By completing this series of labs, you will gain in-depth experience with the Microsoft Private Cloud and the products it comprises, including Microsoft System Center 2012 and Windows Server® 2008 R2 SP1.</p> <p>You will see how this new approach to computing delivers IT-as-a-Service, by providing:</p> <ul style="list-style-type: none"><li>Application Management;</li><li>Service Delivery and Automation; and</li><li>Infrastructure Management.</li></ul>
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How to Navigate	Click Instructions	Talking Points
	<p>1.</p>	<p>To navigate this guided lab, either click the prompts indicated on the screen, or use your forward and back arrow keys to navigate through the steps.</p> <p>You can also access the control bar at the bottom of the screen for additional options.</p>
	<p>2.</p>	<p>To navigate this guided lab, either click the prompts indicated on the screen, or use your forward and back arrow keys to navigate through the steps.</p> <p>You can also access the control bar at the bottom of the screen for additional options.</p>

## Demo Script: Lab 5 - Create Consistency

Learning Objective	Click Instructions	Talking Points
<p>Learning Objective</p> <p>In this guided lab, you will learn how to create a virtual machine template, add an application to the template, and use the Service Designer tool in Microsoft System Center 2012 - Virtual Machine Manager to create a service template.</p> 	<ol style="list-style-type: none"><li>1.</li></ol>	<p>In this guided lab, you will learn how to create a virtual machine template, add an application to the template, and use the Service Designer tool in Microsoft System Center 2012 - Virtual Machine Manager to create a service template.</p>

## Create VM Template



## Click Instructions

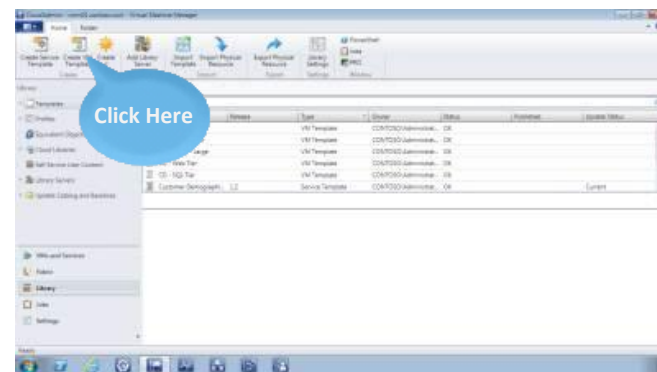
1. Click **Library**.

## Talking Points

First, you will create a new virtual machine template. Virtual machine templates let you specify roles and features that will be configured on deployment when the virtual machine template is part of a service. To get started, follow the prompts on the screen.

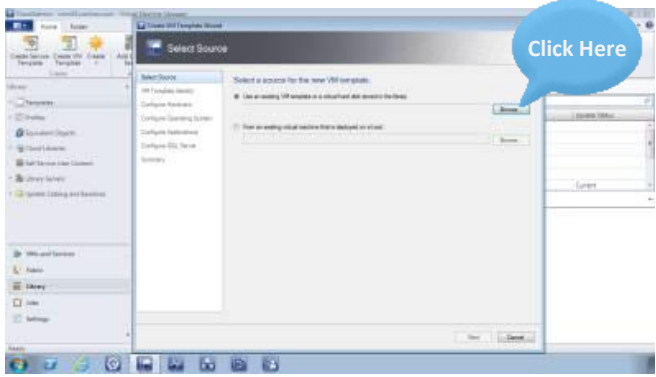
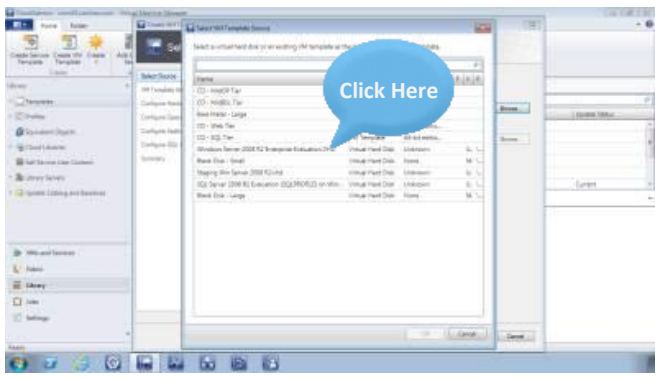
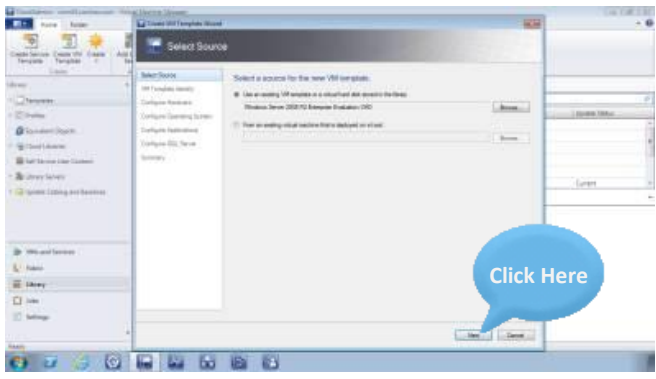
### Technical Note:

Microsoft System Center 2012 - Virtual Machine Manager templates also make it possible to specify Server App-V packages, in addition to MS Deploy and SQL DAC packages, for ease of application deployment. This can help speed up and simplify service deployments by automating application installation as well as pre-install and post-install tasks.

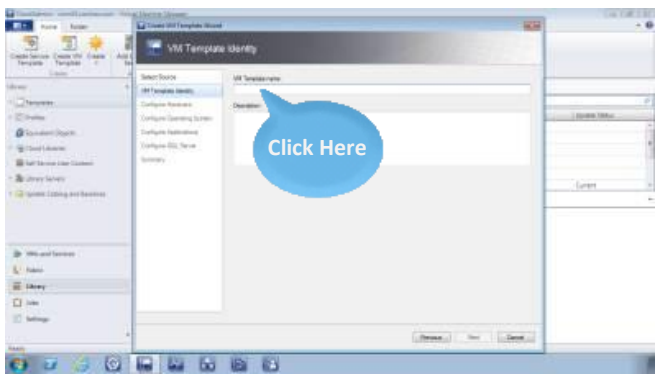
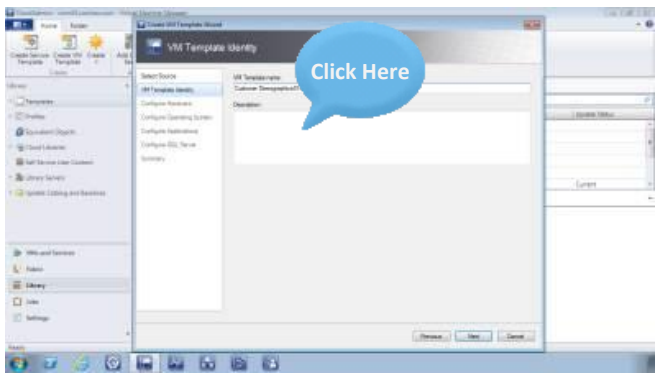
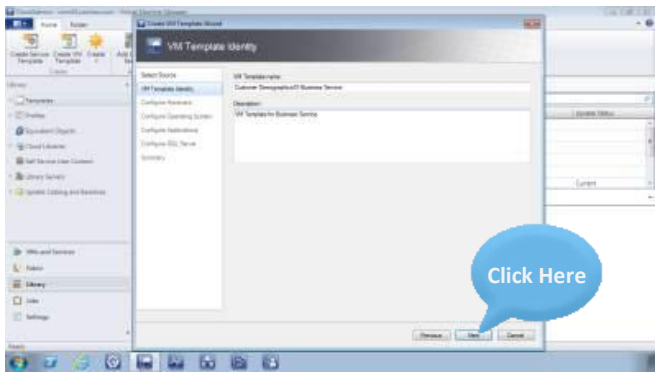


2. Click **Create VM Template**.

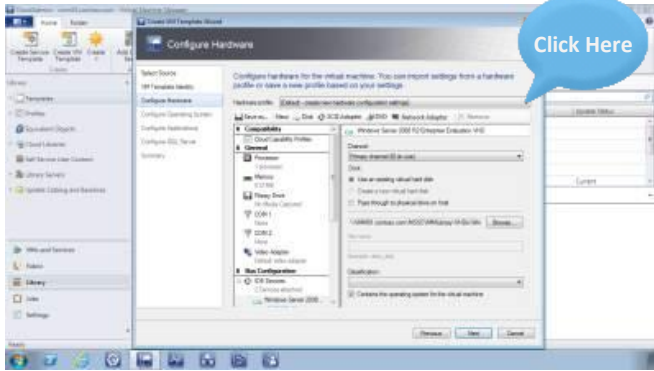
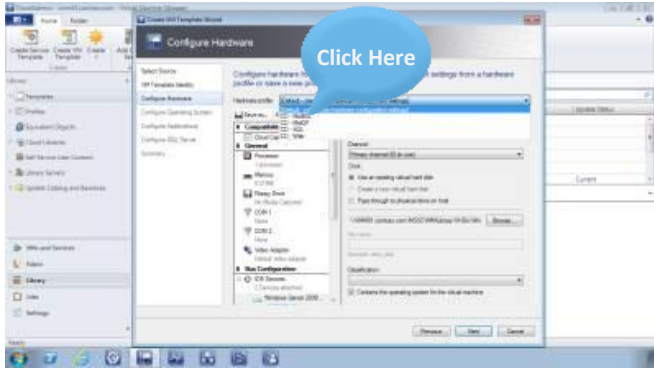
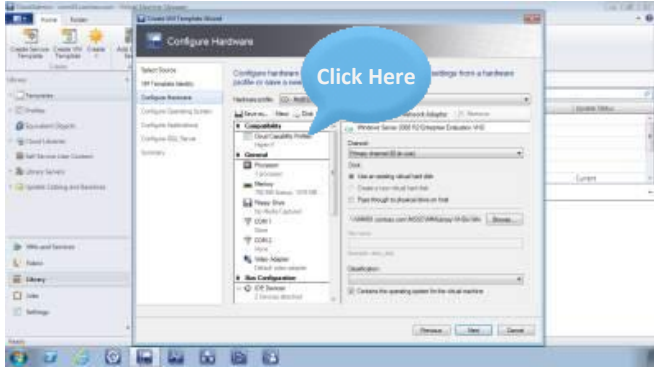
## Demo Script: Lab 5 - Create Consistency

	<p>3. Click <b>Browse....</b></p>	<p>You will use the <b>Create VM Template Wizard</b> to select the source for your new virtual machine template.</p>
	<p>4. Select the <b>Windows Server 2008 R2...</b> virtual hard disk.</p>	
	<p>5. Click <b>Next.</b></p>	

## Demo Script: Lab 5 - Create Consistency

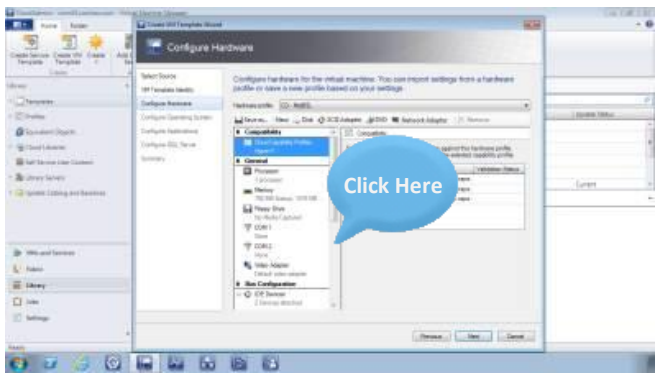
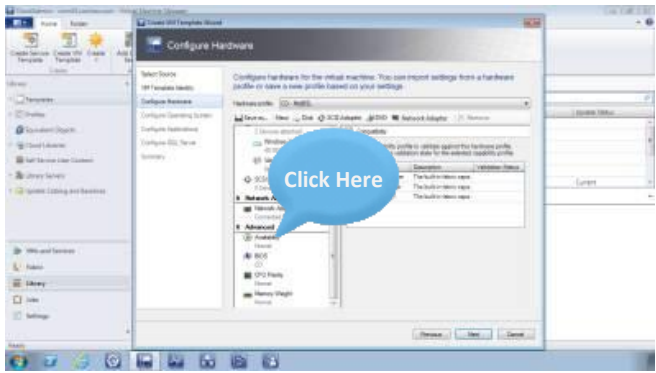
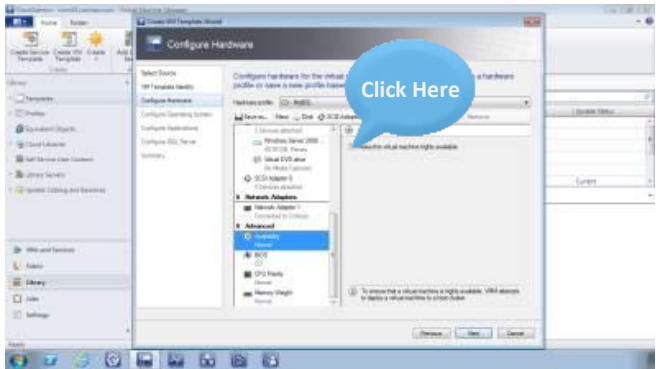
	<p>6. Click to enter a VM template name.</p>	<p>Provide a name and description for the new virtual machine and continue through the wizard to configure hardware for the virtual machine.</p>
	<p>7. Click to enter a description.</p>	
	<p>8. Click <b>Next</b>.</p>	

## Demo Script: Lab 5 - Create Consistency

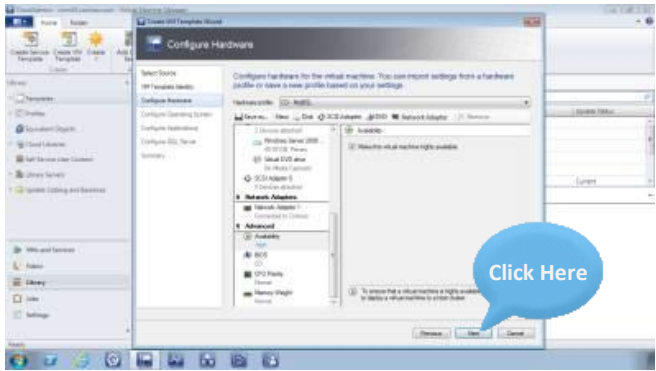
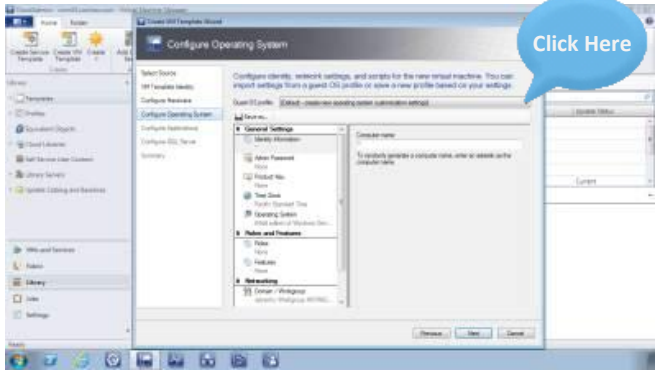
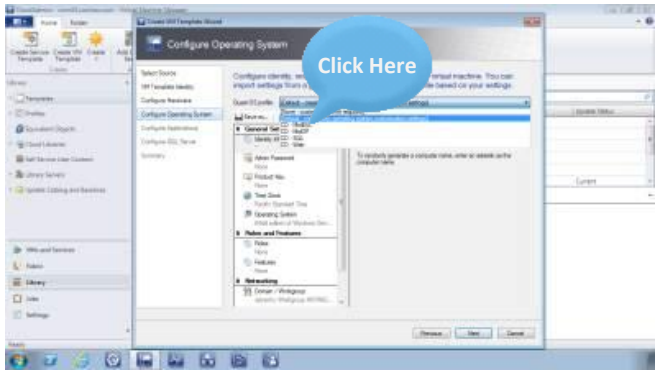
	<p>9. Click the <b>Hardware profile</b> drop-down.</p>	
	<p>10. Select <b>CD - MidBSL</b>.</p>	
	<p>11. Click <b>Cloud Capability Profiles</b>.</p>	



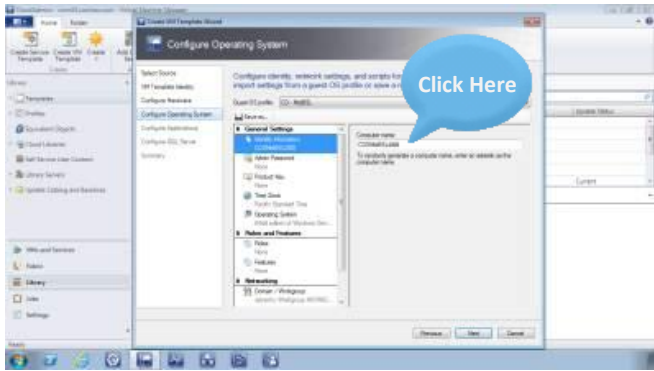
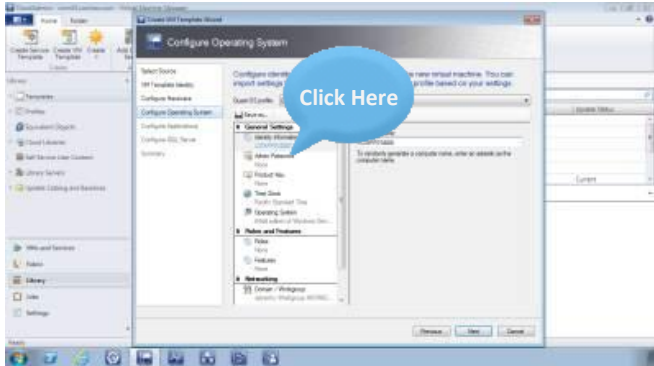
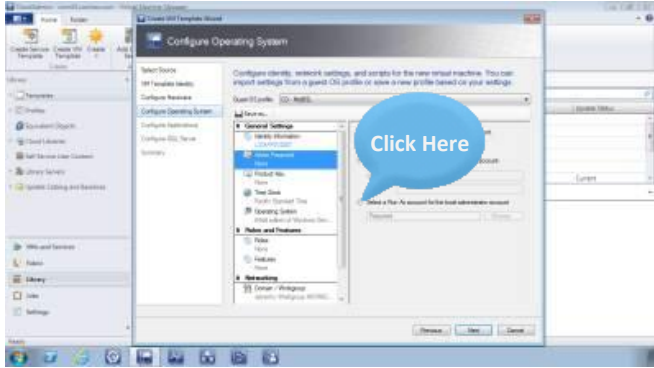
## Demo Script: Lab 5 - Create Consistency

	<p>12. Scroll down.</p>	
	<p>13. Click <b>Availability</b>.</p>	
	<p>14. Click the check box.</p>	

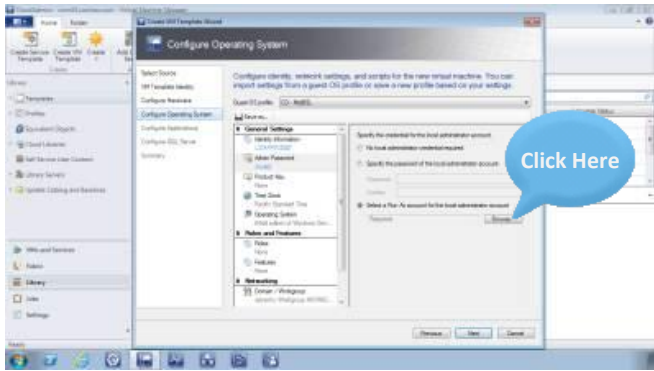
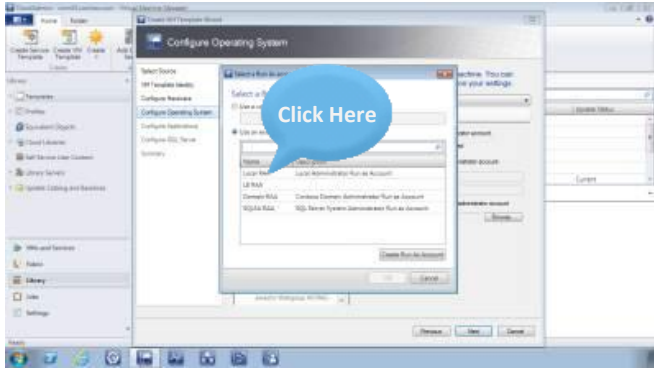
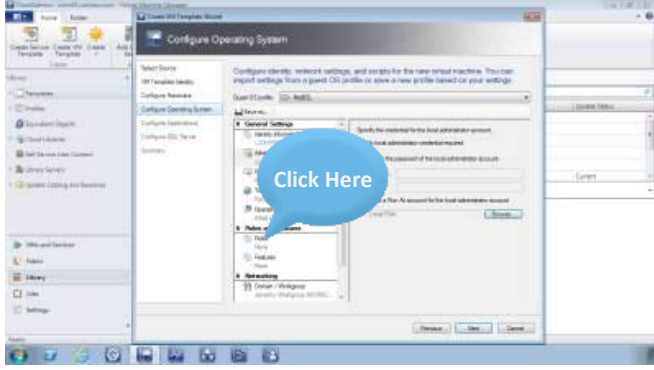
## Demo Script: Lab 5 - Create Consistency

	<p>15. Click <b>Next</b>.</p>	
	<p>16. Click the <b>Guest OS profile</b> drop-down.</p>	<p>Next, you will configure the operating system for the new virtual machine.</p>
	<p>17. Select <b>CD - MidBSL</b>.</p>	


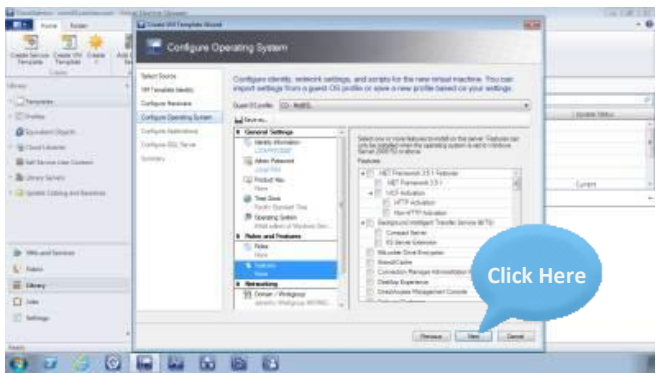
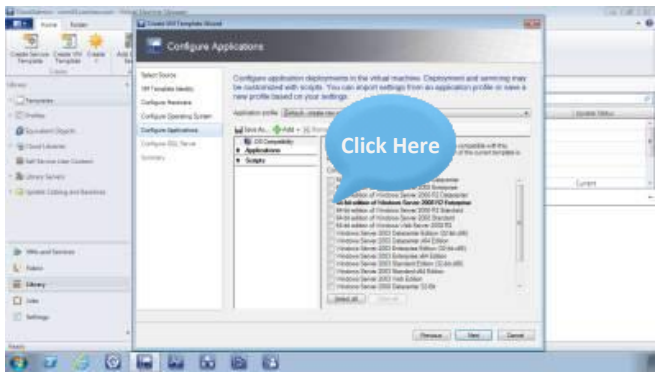
## Demo Script: Lab 5 - Create Consistency

	<p>18. Click to enter a computer name.</p>	
	<p>19. Click <b>Admin Password</b>.</p>	
	<p>20. Click to select the <b>Select a Run As account...</b> option.</p>	

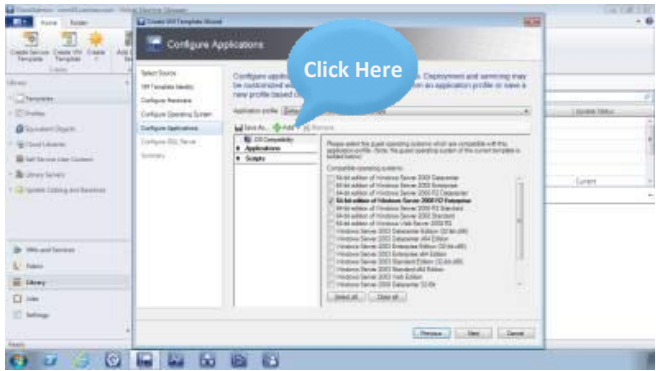
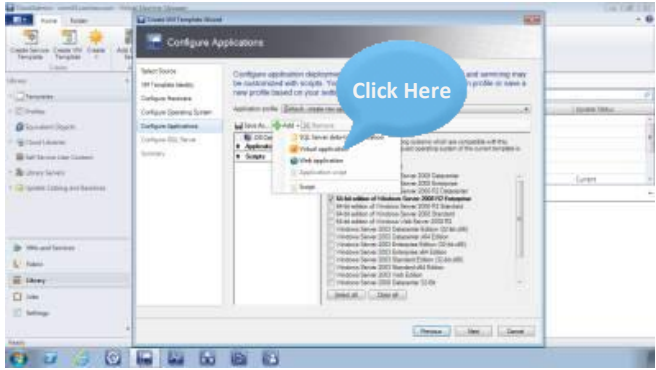
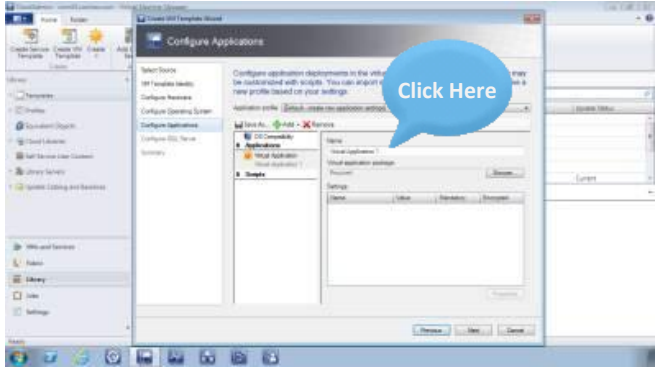
## Demo Script: Lab 5 - Create Consistency

	<p>21. Click <b>Browse....</b></p>	
	<p>22. Click the <b>Local RAA</b> Run As account.</p>	
	<p>23. Click <b>Roles</b>.</p>	

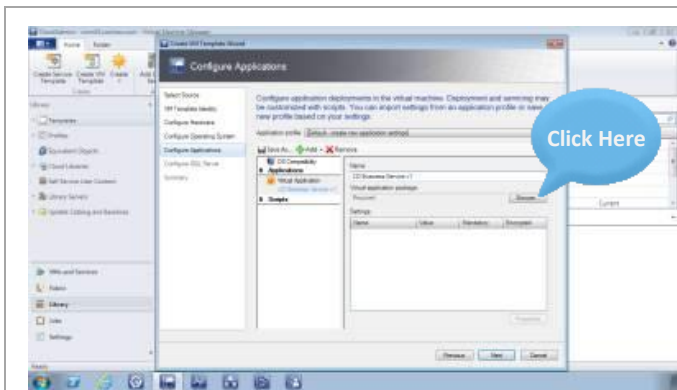
## Demo Script: Lab 5 - Create Consistency

	<p>24. Click <b>Features</b>.</p>	<p>You can select the roles and features that will automatically be installed when a virtual machine is deployed by using this template.</p>
	<p>25. Click <b>Next</b>.</p>	
	<p>26. Click the <b>Enterprise</b> version of Windows Server 2008 check box.</p>	<p>Next, you will add applications to deploy to the virtual machine.</p>

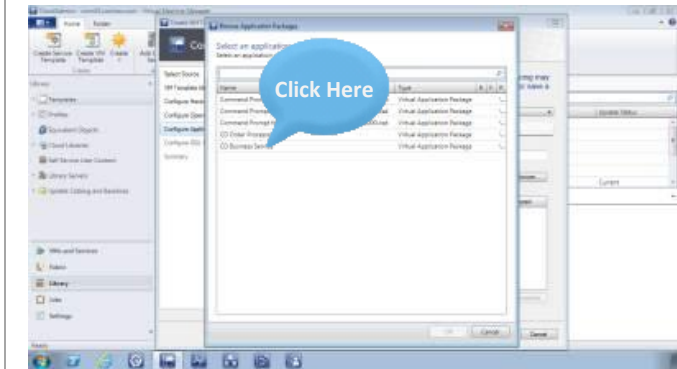
## Demo Script: Lab 5 - Create Consistency

	<p>27. Click the <b>Add</b> drop-down.</p>	
	<p>28. Select <b>Virtual Application</b>.</p>	<p>In this example, you will add a virtual application package followed by a pre-install script.</p>
	<p>29. Click to enter a name.</p>	

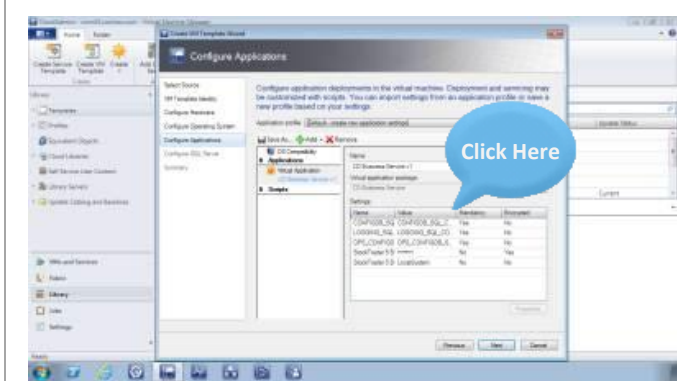
## Demo Script: Lab 5 - Create Consistency



30. Click **Browse....**



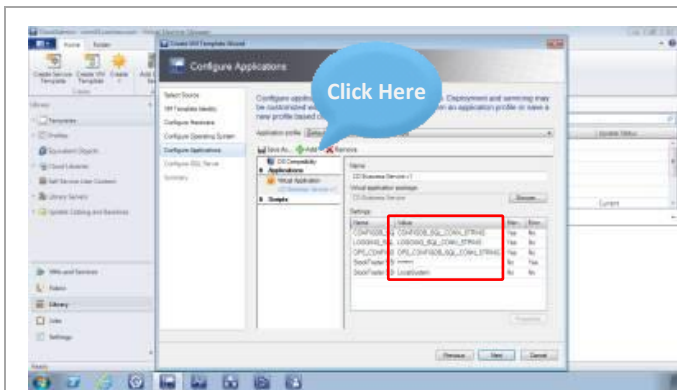
31. Select the **CD Business Service** application package.



32. Click to extend the **Value** column heading.

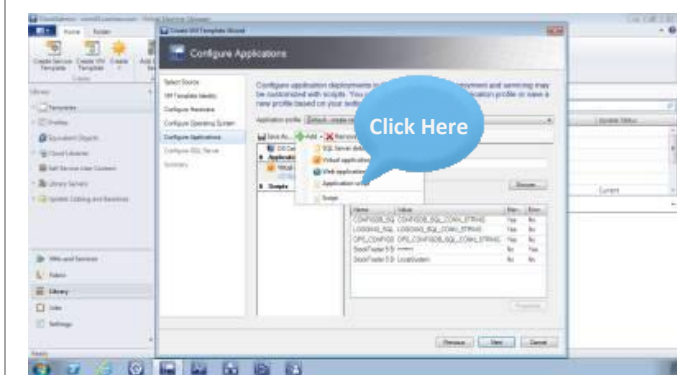


## Demo Script: Lab 5 - Create Consistency

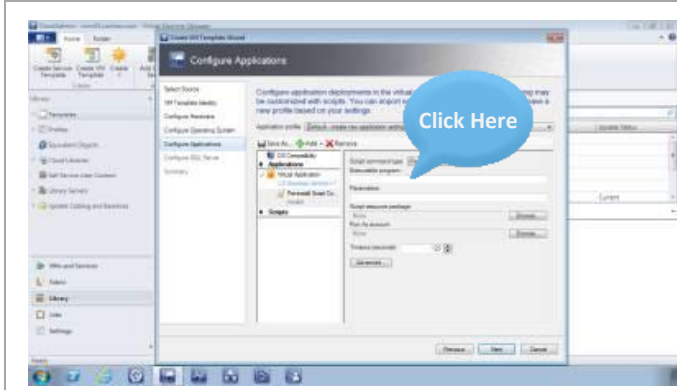


33. Click the **Add** drop-down.

You can review the variables used in configuring the virtual application.



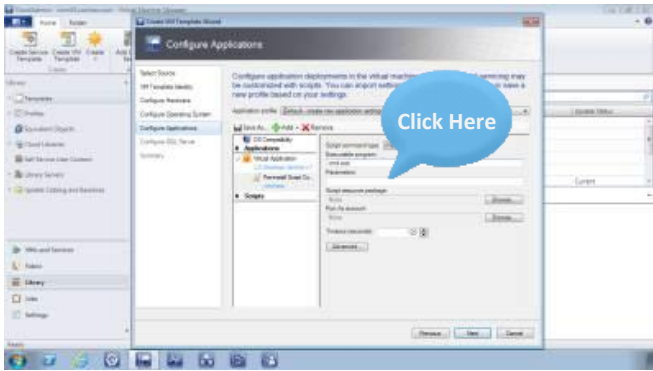
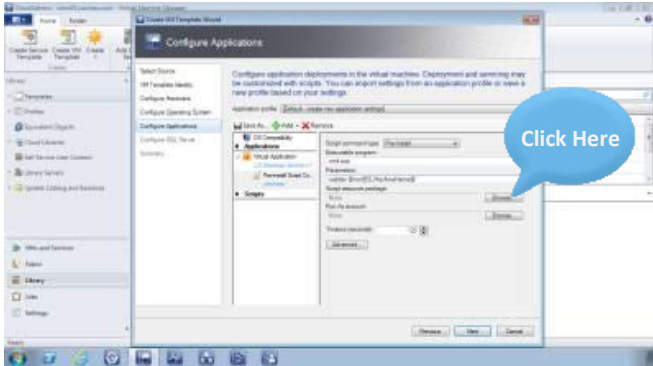
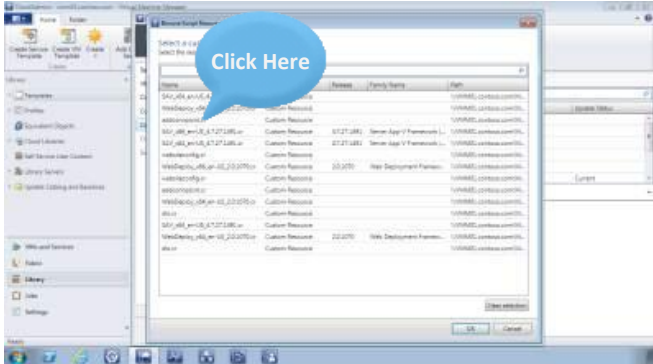
34. Select **Application script**.



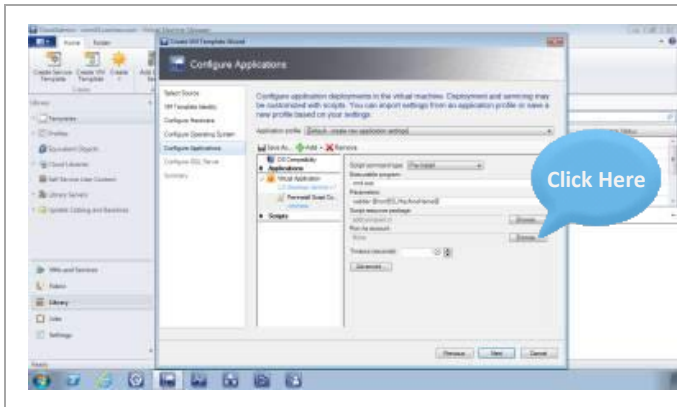
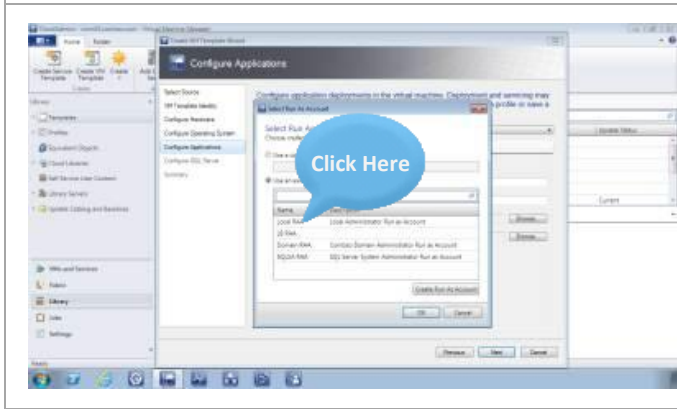
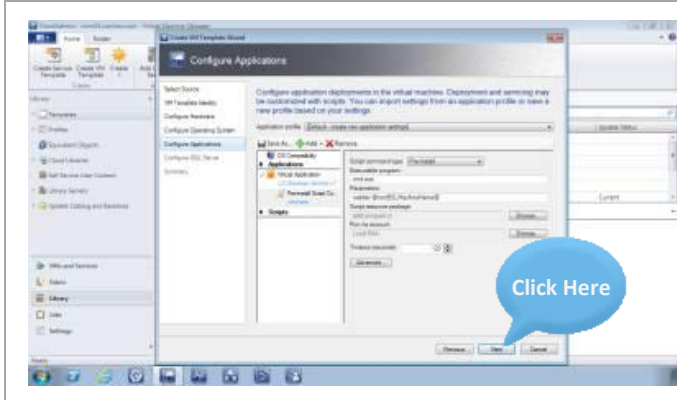
35. Click to enter a program.



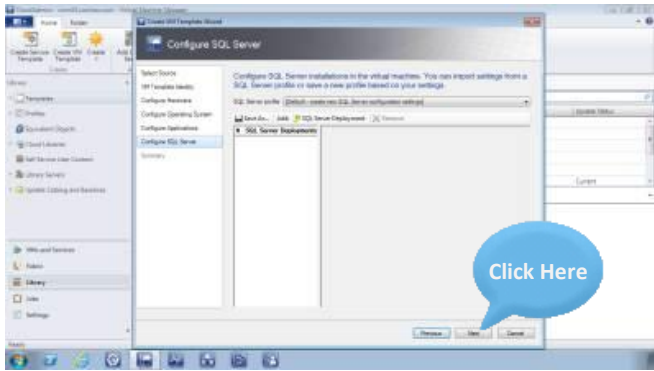
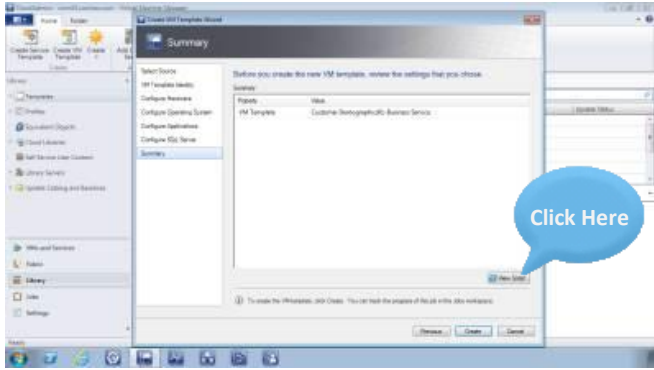
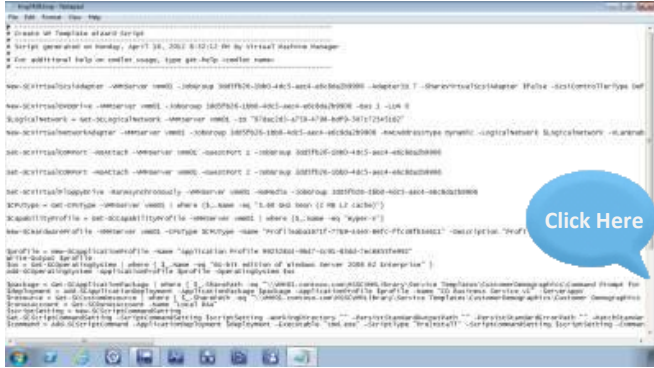
## Demo Script: Lab 5 - Create Consistency

	<p>36. Click to enter parameter values.</p>	
	<p>37. Click <b>Browse....</b></p>	
	<p>38. Select the third resource package.</p>	

## Demo Script: Lab 5 - Create Consistency

	<p>39. Click <b>Browse....</b></p>	
	<p>40. Select the <b>Local RAA Run As</b> account.</p>	
	<p>41. Click <b>Next</b>.</p>	

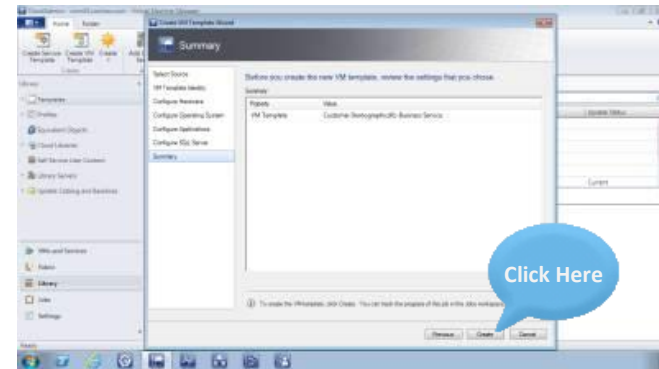
## Demo Script: Lab 5 - Create Consistency

	<p>42. Click <b>Next</b>.</p>	
	<p>43. Click <b>View Script</b>.</p>	<p>Before you create the new virtual machine template, you can preview the Windows PowerShell™ script that will be executed.</p>
	<p>44. Scroll down.</p>	

## Demo Script: Lab 5 - Create Consistency



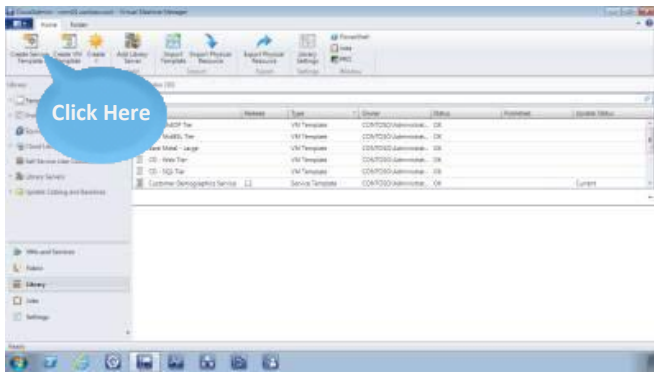

45. Click **Close**.






46. Click **Create**.

Once you have confirmed your settings, complete the wizard to create a new virtual machine template.

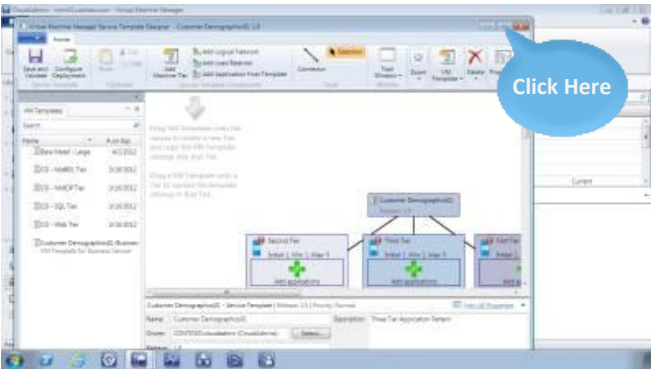
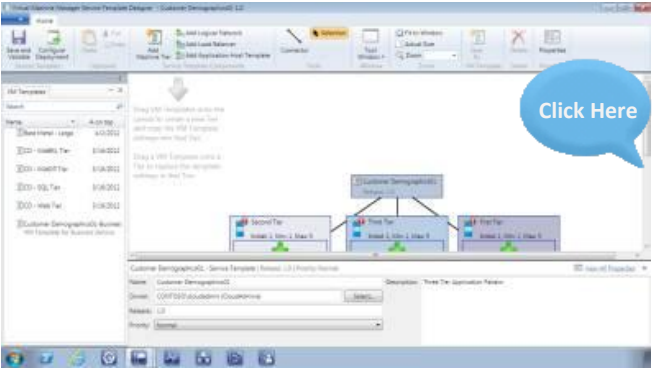

## Demo Script: Lab 5 - Create Consistency

Create Service Template	Click Instructions	Talking Points
	<ol style="list-style-type: none"> <li>1. Click <b>Create Service Template</b>.</li> </ol>	<p>Now, you will create a service template that uses the virtual machine template you just created. To get started, follow the prompts on the screen.</p>
	<ol style="list-style-type: none"> <li>2. Click to enter a name.</li> </ol>	<p>Specify a service name and release number, and select a template pattern.</p>

## Demo Script: Lab 5 - Create Consistency

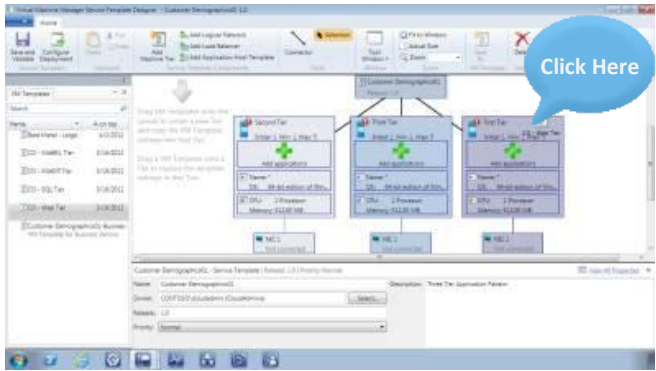
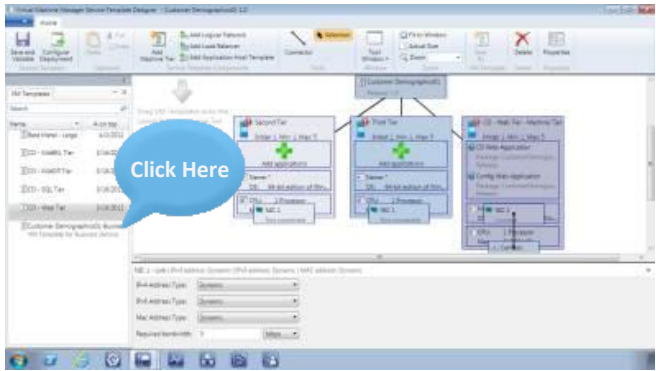
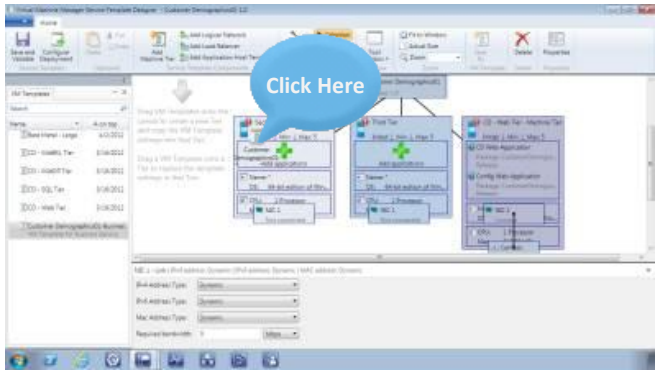
	<p>3. Click to enter a release value.</p>	
	<p>4. Click the last pattern.</p>	
	<p>5. Click <b>OK</b>.</p>	

## Demo Script: Lab 5 - Create Consistency

	<p>6. Click <b>Maximize</b>.</p>	
	<p>7. Scroll down.</p>	
	<p>8. Click to simulate dragging and dropping the <b>CD - Web Tier</b> template.</p>	<p>Now, you will add virtual machine templates to the service template by dragging them onto the canvas.</p>

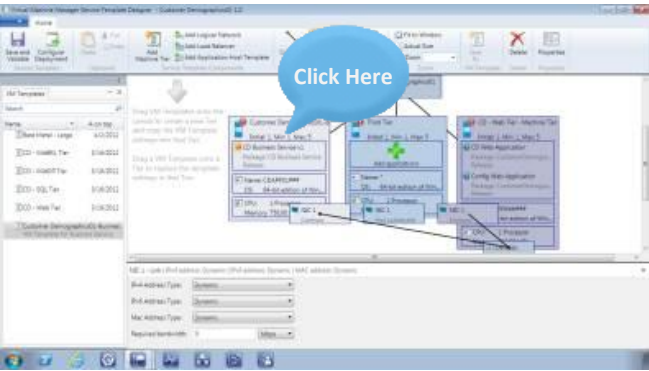
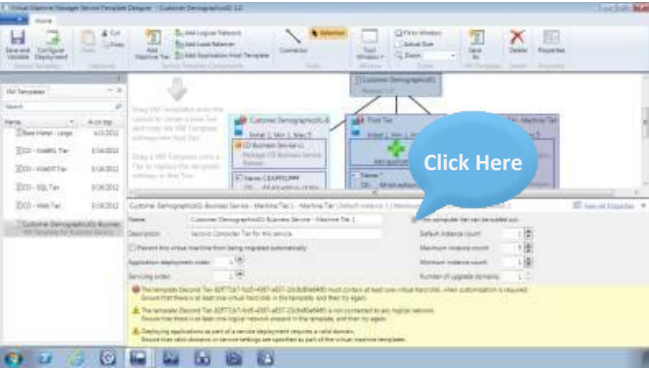
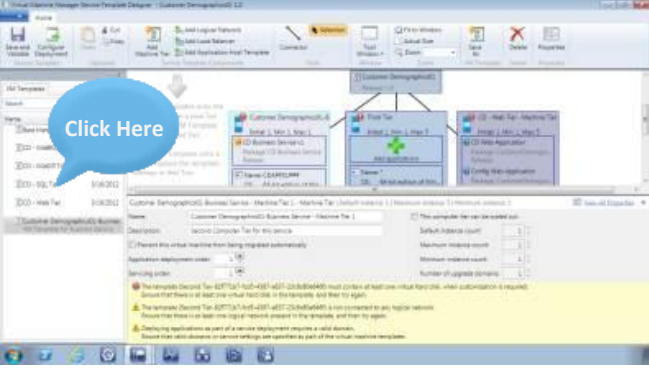


## Demo Script: Lab 5 - Create Consistency

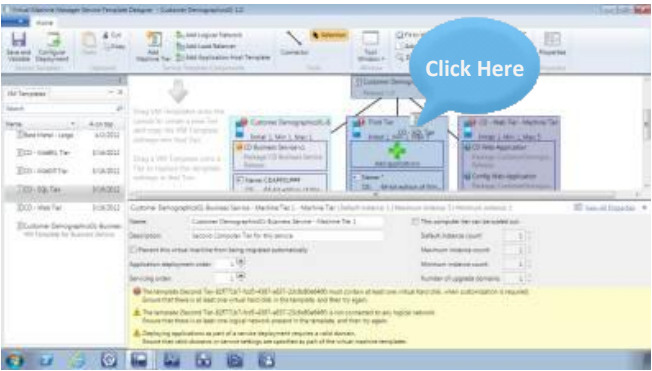

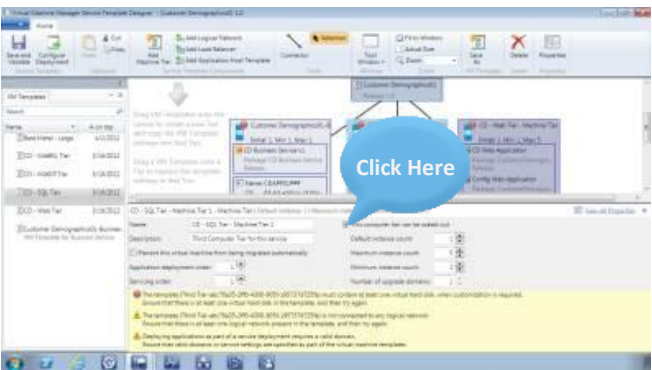
	<p>9.</p>	
	<p>10. Click to simulate dragging and dropping the <b>Customer Demographics01...</b> template.</p>	
	<p>11.</p>	



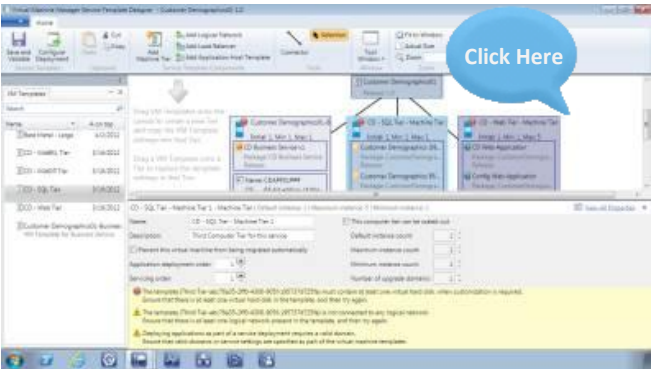


## Demo Script: Lab 5 - Create Consistency

	<p>12. Click the template.</p>	
	<p>13. Click to deselect the check box.</p>	
	<p>14. Click to simulate dragging and dropping the <b>CD - SQL Tier...</b> template.</p>	

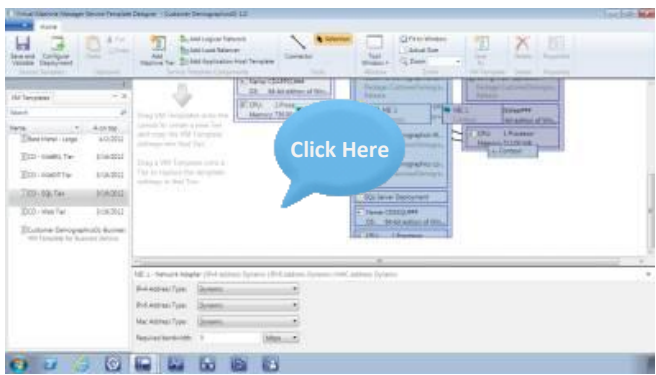
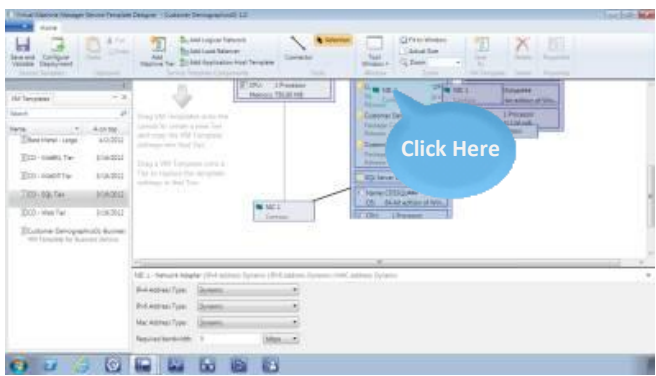

## Demo Script: Lab 5 - Create Consistency

	<p>15.</p>	
	<p>16. Click the template.</p>	
	<p>17. Click to deselect the check box.</p>	

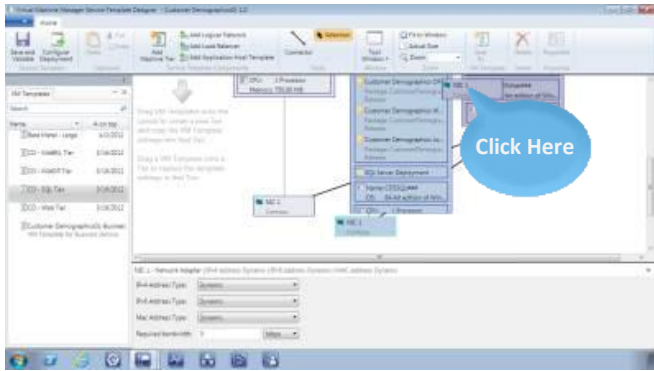

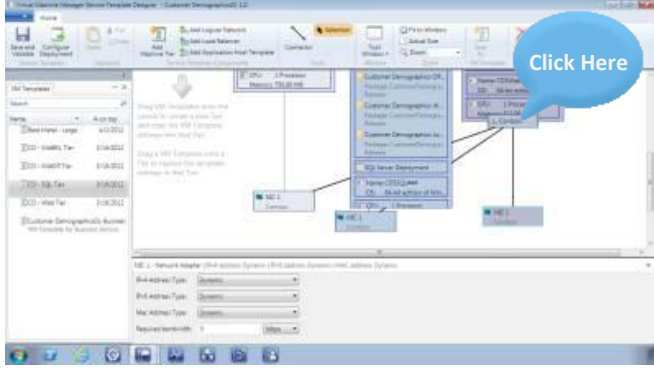
## Demo Script: Lab 5 - Create Consistency

	<p>18. Click anywhere on the white canvas.</p>	
	<p>19. Scroll down.</p>	
	<p>20. Click to simulate dragging and dropping the cell.</p>	<p>Drag each NIC cell below its respective tier.</p>

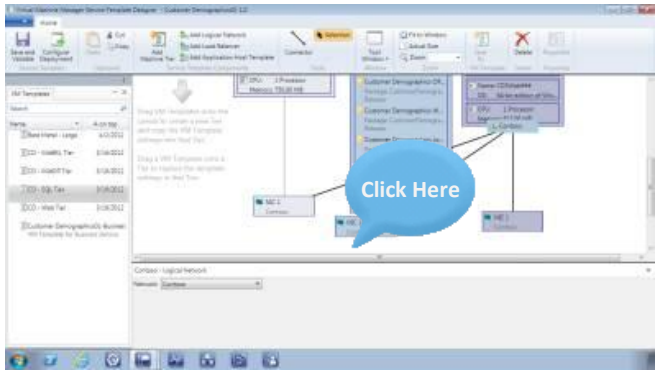

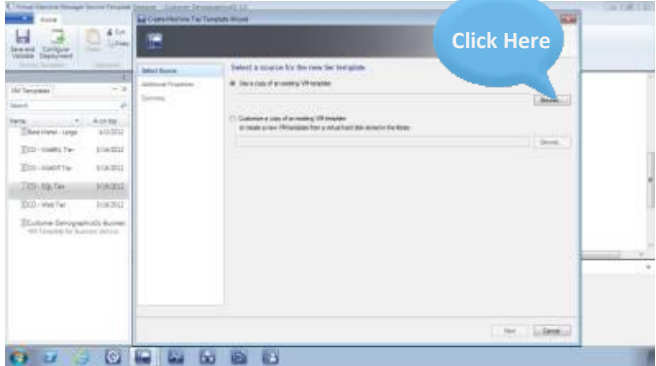
## Demo Script: Lab 5 - Create Consistency

	<p>21.</p>	
	<p>22. Click to simulate dragging and dropping the cell.</p>	
	<p>23.</p>	

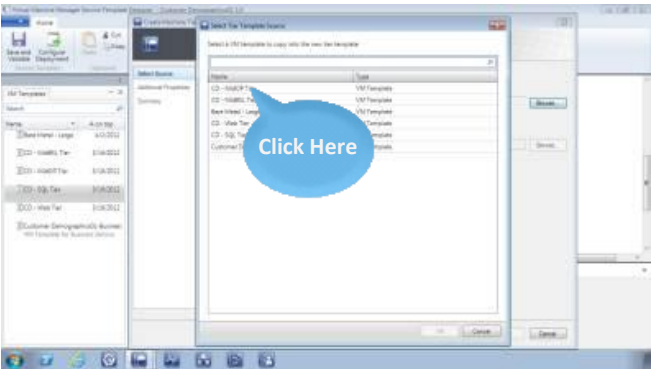
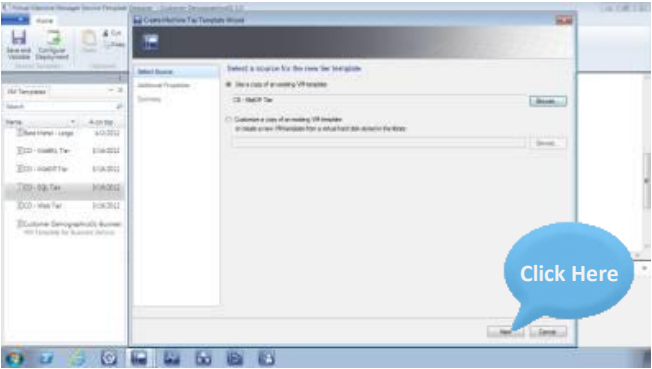
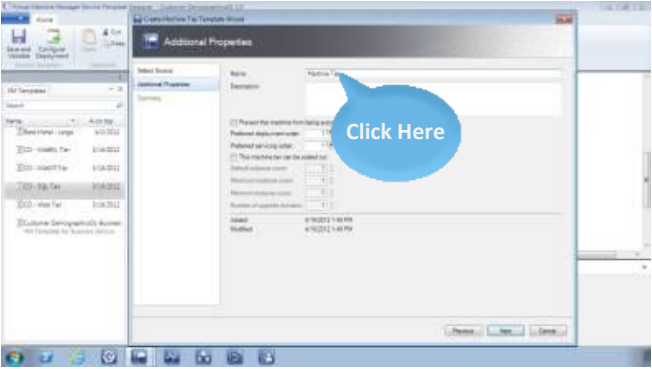
## Demo Script: Lab 5 - Create Consistency

	<p>24. Click to simulate dragging and dropping the cell.</p>	
	<p>25.</p>	
	<p>26. Click to simulate dragging and dropping the cell.</p>	<p>Drag the Contoso cell beneath the NIC cells.</p>

## Demo Script: Lab 5 - Create Consistency

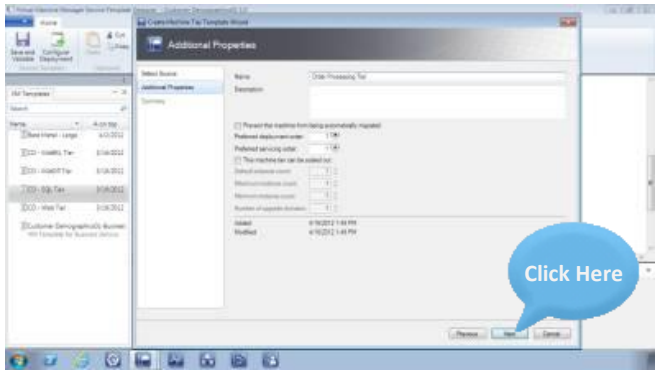
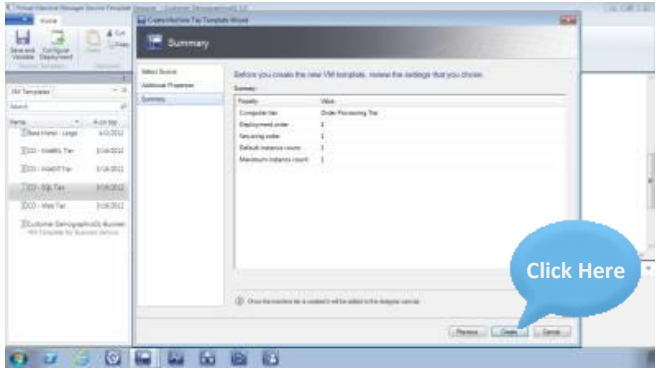

	<p>27.</p>	
	<p>28. Click <b>Add Machine Tier</b>.</p>	<p>Now, you will add an additional machine tier to the service template.</p>
	<p>29. Click <b>Browse....</b></p>	<p>You will use the <b>Create Machine Tier Template Wizard</b> to select a source for the new tier template.</p>

## Demo Script: Lab 5 - Create Consistency

	<p>30. Click the first template.</p>	
	<p>31. Click <b>Next</b>.</p>	
	<p>32. Click to enter a name.</p>	<p>Specify a name for the new tier and continue in the wizard to review your settings.</p>

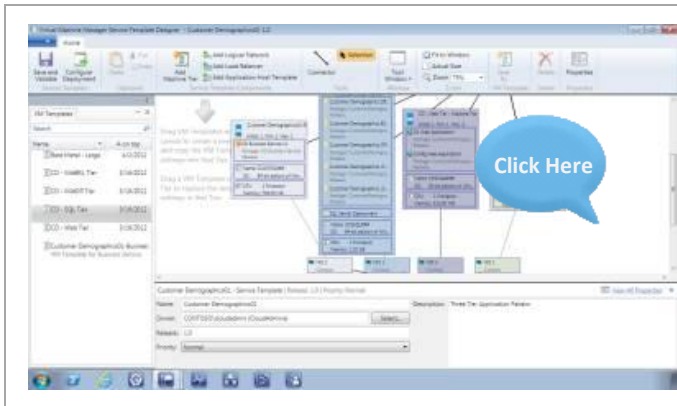


## Demo Script: Lab 5 - Create Consistency

	<p>33. Click <b>Next</b>.</p>	
	<p>34. Click <b>Create</b>.</p>	<p>Once you have confirmed your settings, complete the wizard to create the new tier.</p>
	<p>35. Click <b>Save and Validate</b>.</p>	<p>Now, save and validate the new service template.</p>




## Demo Script: Lab 5 - Create Consistency



36.

In this guided lab, you saw a brief, representative example of how System Center 2012 - Virtual Machine Manager gives you the ability to standardize your approach to virtual machine and service deployments, making it possible to create and handle interdependencies across layers and application tiers.

## Demo Script: Lab 5 - Create Consistency

Conclusion	Click Instructions	Talking Points
 <p>Series Progression</p> <p>1. Promote Resiliency Through Self-Service Requests 2. Create Consistency Through Service Templates 3. Add Additional Infrastructure to Accommodate Resource Needs 4. Delegate Cloud Resources to Help Ensure Proper Access 5. Create Consistency Through Service Templates 6. Perform a Standardized Application Deployment to Test 7. Stage Application Requests 8. Deploy an Application to a Production Environment 9. Gain Insights and Visibility Through Reporting 10. Monitor Health and Performance 11. Take Corrective Actions in the Event of Infrastructure Issues 12. Perform Mean Time to Resolution with Alerts 13. Deploy an Update to a Service Instance 14. Monitor Existing Dashboards</p> <p>APPLICATION MANAGEMENT   SERVICE DELIVERY AND AUTOMATION   INFRASTRUCTURE MANAGEMENT</p> <p>Click Here</p> <p>Microsoft</p>	<p>1.</p>	<p>You have successfully completed the guided lab on how to “Create Consistency Through Service Templates.” We encourage you to progress to the next lab to further understand the experience and benefits of working with the Microsoft Private Cloud.</p>
 <p>Thank You for Completing This Guided Lab</p> <p>Complete a brief <a href="#">survey</a>.</p> <p>Download Microsoft Private Cloud software <a href="#">here</a>.</p> <p>Click Here</p> <p>Microsoft</p>	<p>2.</p>	<p>Thank you for completing this guided lab. To complete a brief survey or download software, follow the links on your screen.</p>