







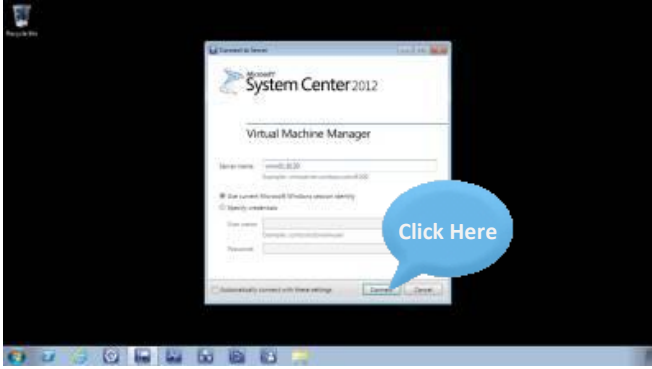
Introduction	Click Instructions	Talking Points
	<p>1.</p>	<p>Welcome to this guided lab on how to “Add Additional Infrastructure to Accommodate Resource Needs.”</p>
	<p>2.</p>	<p>This guided lab is the third in the Microsoft® Private Cloud series. It is recommended that the 14 labs in this series be 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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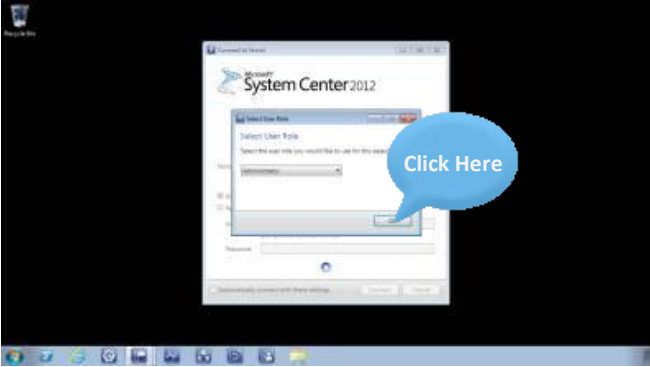
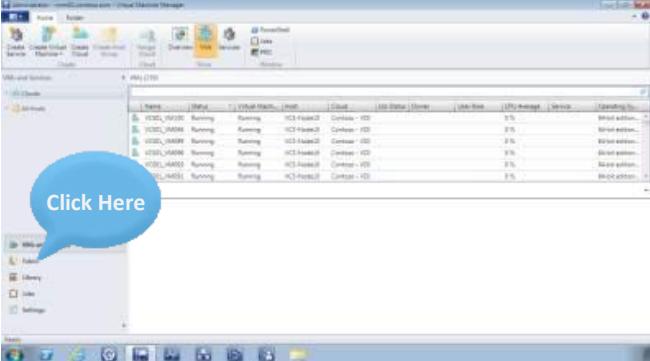
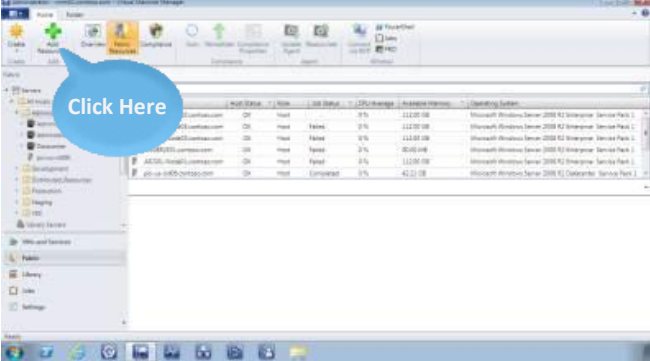
How to Navigate	Click Instructions	Talking Points
	<p>1.</p>	<p>To navigate this guided lab, either click the prompts indicated on the screen, or use your forward and back arrow keys to navigate through the steps.</p> <p>You can also access the control bar at the bottom of the screen for additional options.</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 3 - Add Infrastructure

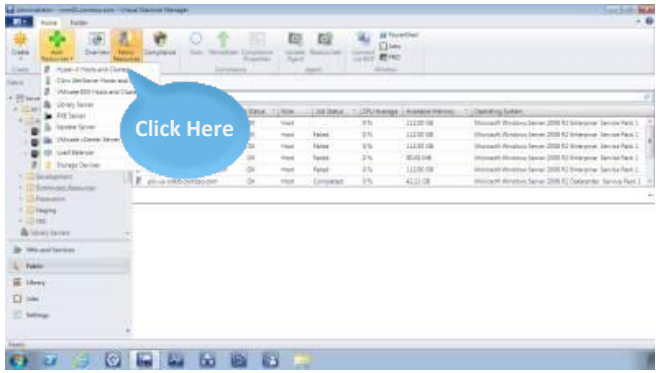
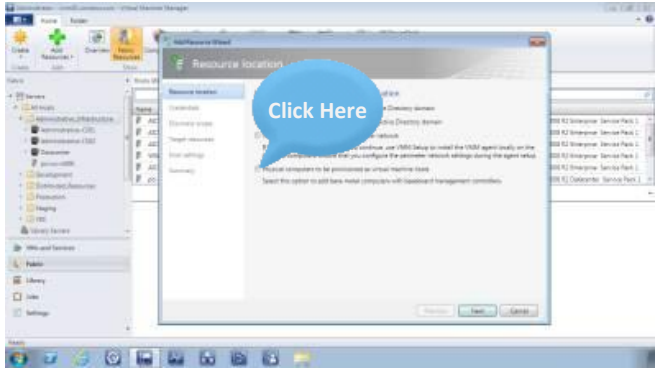
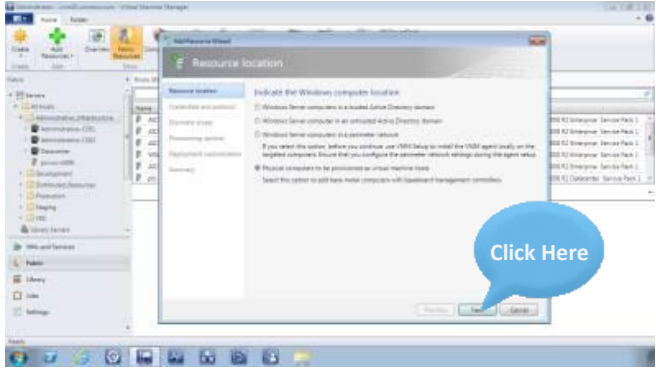
Learning Objective	Click Instructions	Talking Points
<p>Learning Objective</p> <p>In this guided lab, you will learn how you can use Microsoft System Center 2012 - Virtual Machine Manager to deploy a virtual machine host, create a new logical network and IP pool, and add a host to an existing cluster.</p> 	<ol style="list-style-type: none"><li>1.</li></ol>	<p>In this guided lab, you will learn how you can use Microsoft System Center 2012 - Virtual Machine Manager to deploy a virtual machine host, create a new logical network and IP pool, and add a host to an existing cluster.</p>

Perform bare-metal deployment of Hyper-V Host	Click Instructions	Talking Points
	<ol style="list-style-type: none"> <li>1. Click <b>Virtual Machine Manager Console</b>.</li> </ol>	<p>First, you will perform a bare-metal deployment of a Hyper-V® host computer. To get started, follow the prompts on the screen.</p>
	<ol style="list-style-type: none"> <li>2. Click <b>Connect</b>.</li> </ol>	<p>Open Microsoft System Center 2012 - Virtual Machine Manager and connect to the server.</p>

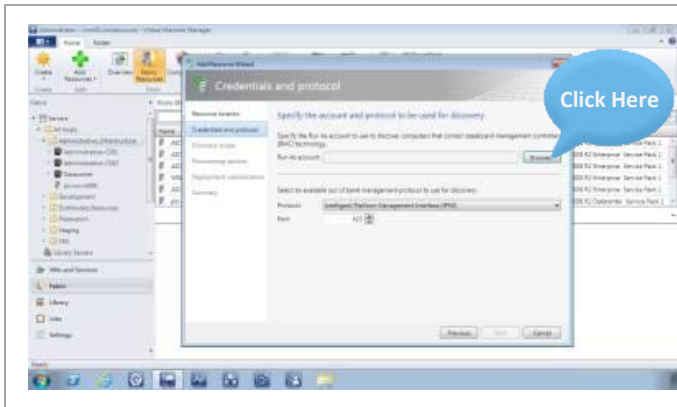
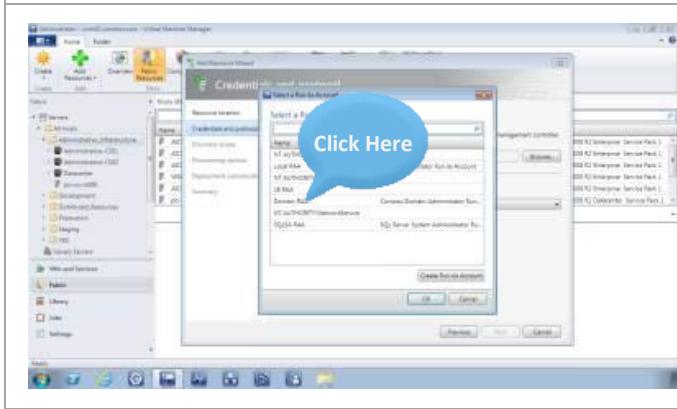
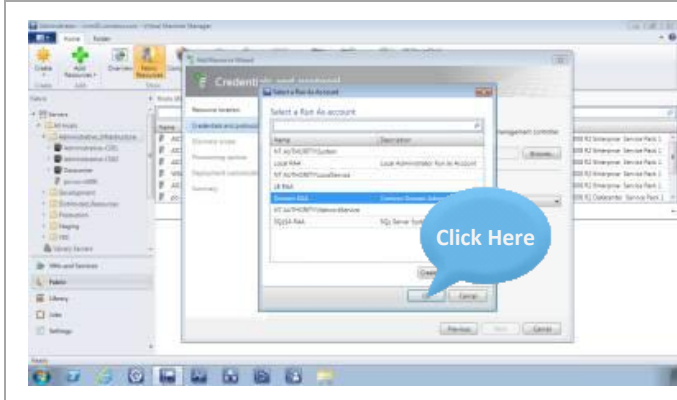
## Demo Script: Lab 3 - Add Infrastructure

	<p>3. Click <b>OK</b>.</p>	
	<p>4. Click <b>Fabric</b>.</p>	<p>Virtual Machine Manager simplifies the process of turning bare-metal machines into virtual machine hosts that can be used to expand clusters in private cloud deployments.</p>
	<p>5. Click <b>Add Resources</b>.</p>	<p>You will use the <b>Add Resources Wizard</b> to find physical computers that can be provisioned as virtual machine hosts.</p>

## Demo Script: Lab 3 - Add Infrastructure

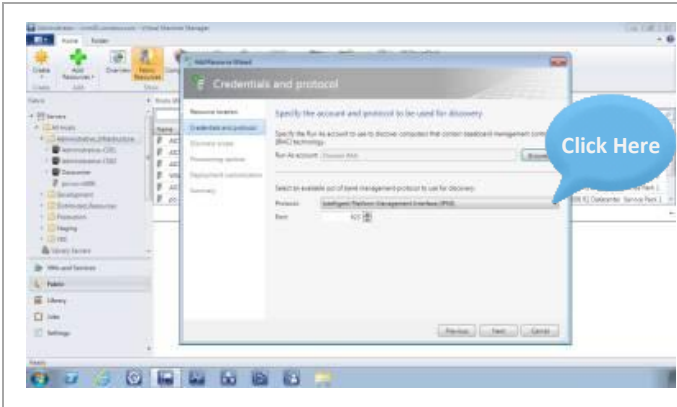

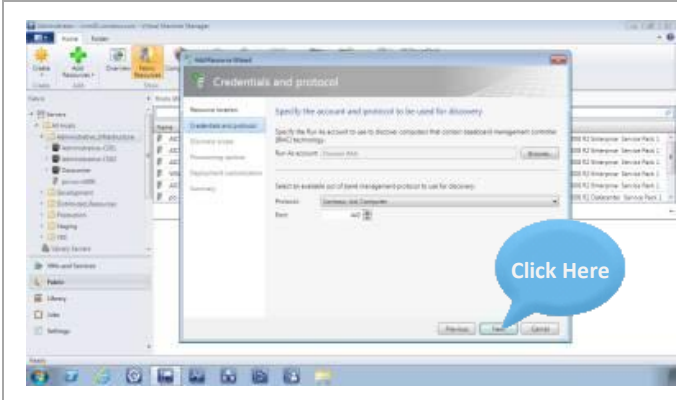
	<p>6. Select <b>Hyper-V Hosts and Clusters</b>.</p>	
	<p>7. Click to select the <b>Physical computers...</b> option.</p>	
	<p>8. Click <b>Next</b>.</p>	

## Demo Script: Lab 3 - Add Infrastructure

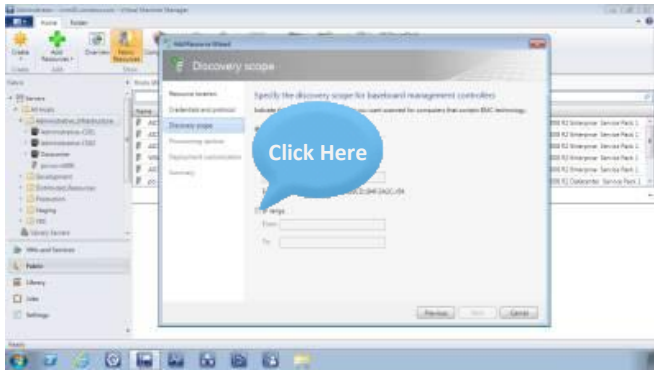
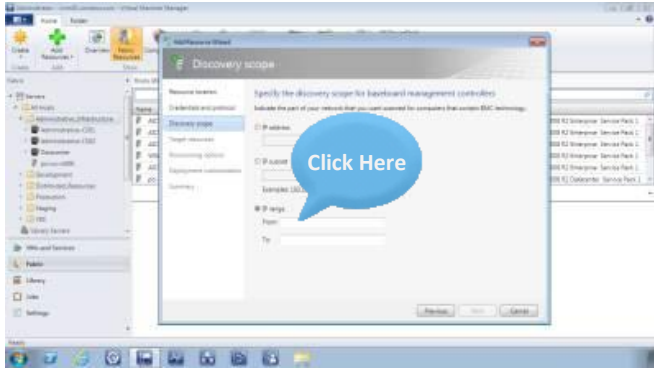
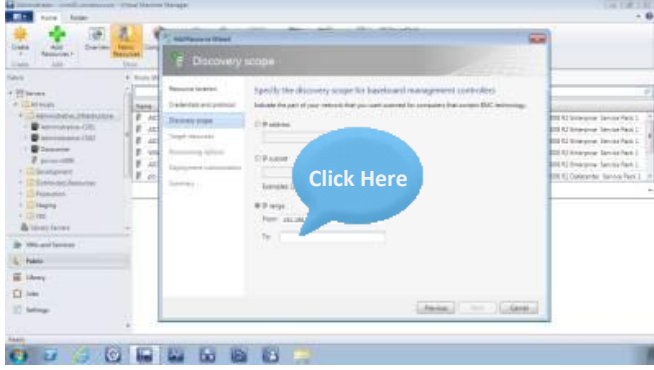
	<p>9. Click <b>Browse...</b></p>	
	<p>10. Click <b>Domain RAA</b>.</p>	
	<p>11. Click <b>OK</b>.</p>	



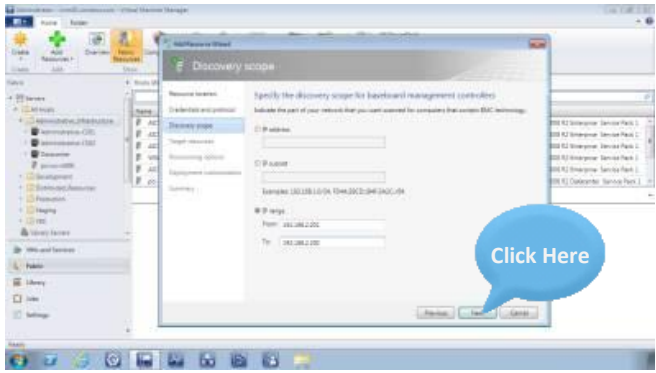
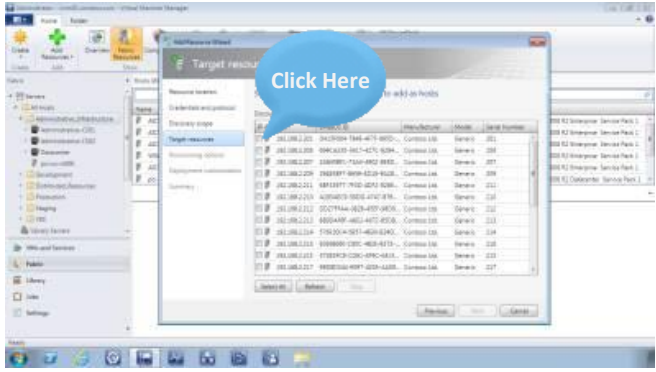

## Demo Script: Lab 3 - Add Infrastructure

	<p>12. Click the <b>Protocol</b> drop-down.</p>	
	<p>13. Select <b>Contoso, Ltd. Computer</b>.</p>	
	<p>14. Click <b>Next</b>.</p>	

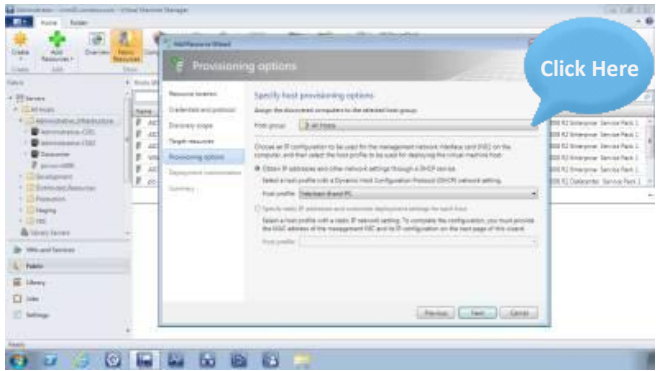

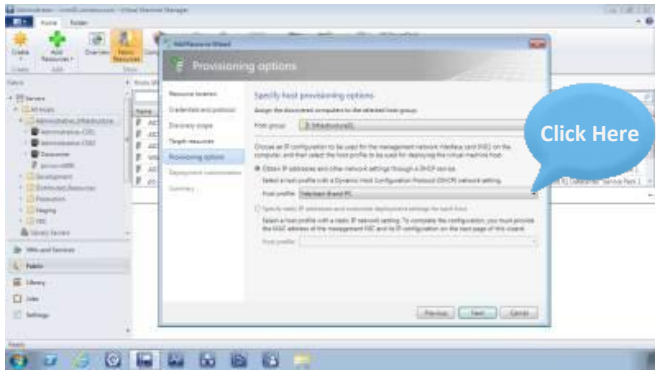
## Demo Script: Lab 3 - Add Infrastructure

	<p>15. Click to select the <b>IP range</b> option.</p>	
	<p>16. Click to enter an <b>IP address</b> in the <b>From</b> field.</p>	
	<p>17. Click to enter an <b>IP address</b> in the <b>To</b> field.</p>	

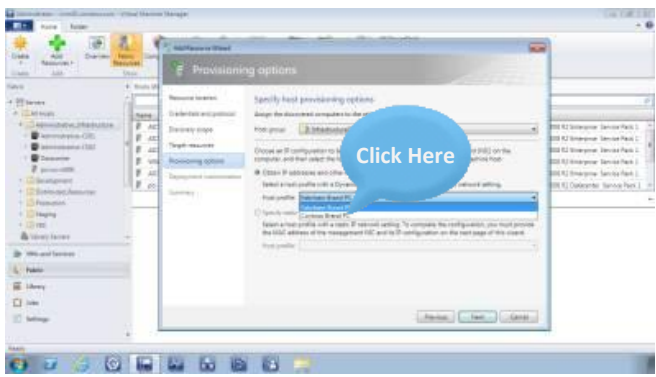
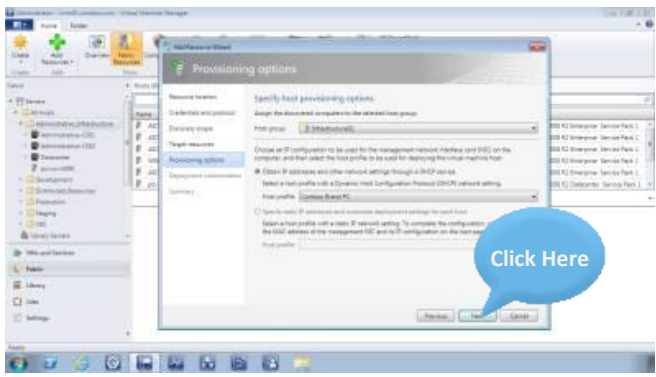
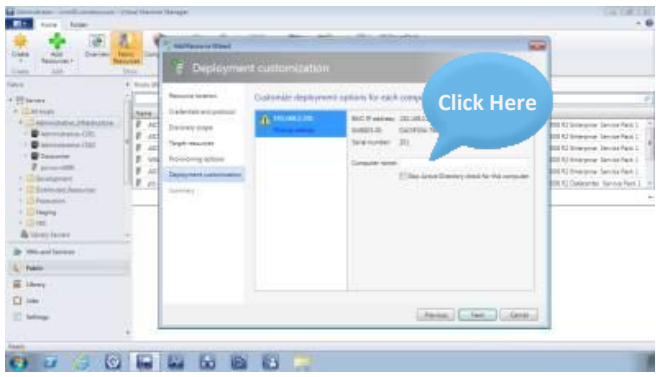
## Demo Script: Lab 3 - Add Infrastructure

	<p>18. Click <b>Next</b>.</p>	
	<p>19. Check the first box.</p>	<p>Select a computer to add as a virtual machine host and continue clicking through the wizard to specify provisioning and deployment options.</p>
	<p>20. Click <b>Next</b>.</p>	

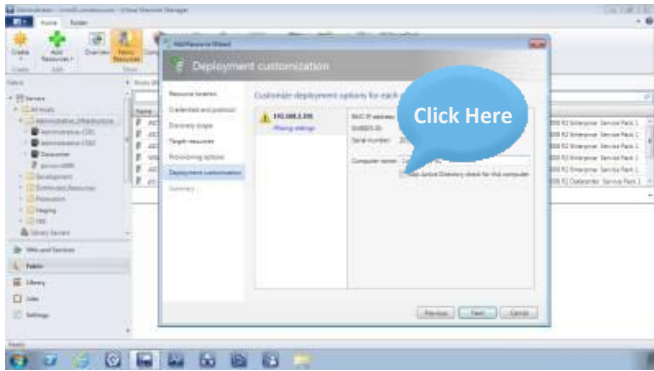
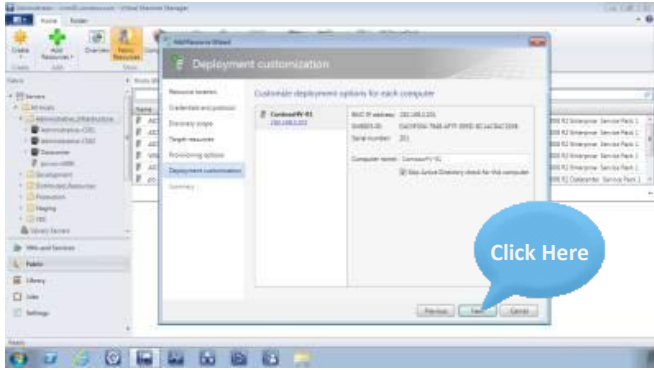

## Demo Script: Lab 3 - Add Infrastructure

	<p>21. Click the <b>Host group</b> drop-down.</p>	
	<p>22. Select <b>Infrastructure01</b>.</p>	
	<p>23. Click the <b>Host profile</b> drop-down.</p>	

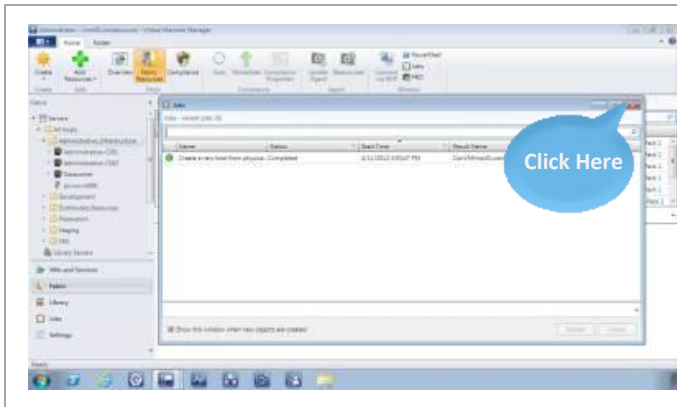
## Demo Script: Lab 3 - Add Infrastructure

	<p>24. Select <b>Contoso Brand PC</b>.</p>	
	<p>25. Click <b>Next</b>.</p>	
	<p>26. Click to enter a computer name.</p>	

## Demo Script: Lab 3 - Add Infrastructure

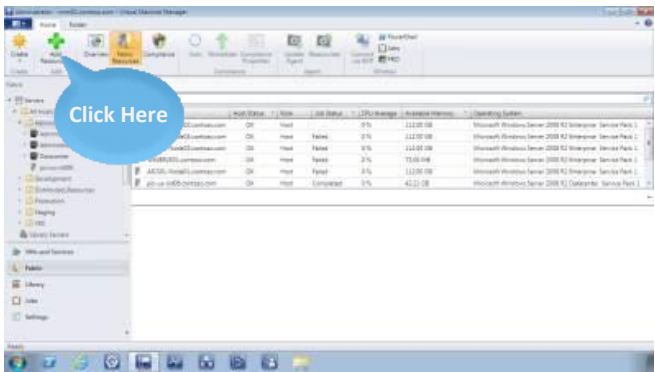
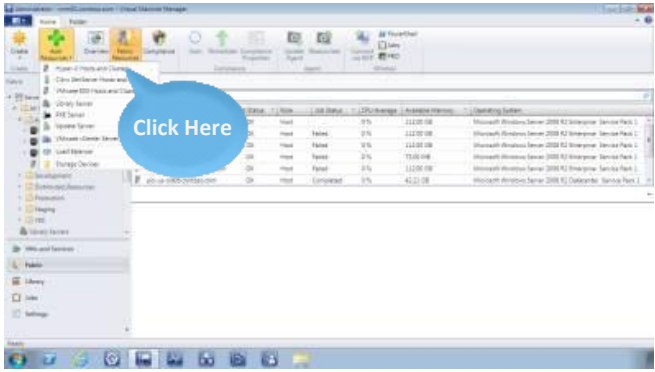
	<p>27. Check the <b>Skip Active Directory...</b> box.</p>	
	<p>28. Click <b>Next</b>.</p>	
	<p>29. Click <b>Finish</b>.</p>	<p>Once you have confirmed your settings, complete the wizard to deploy a new host computer.</p>

## Demo Script: Lab 3 - Add Infrastructure



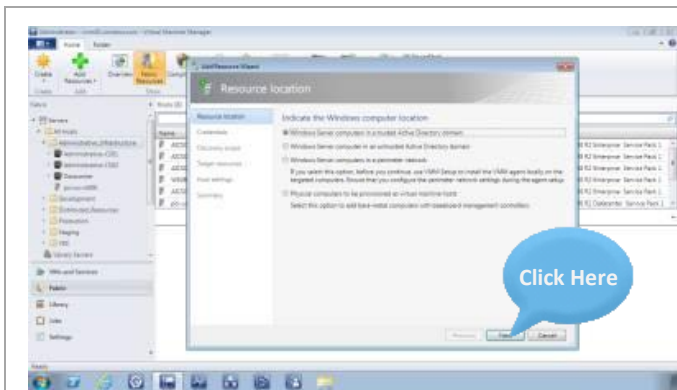
30. Click **Close**.

## Demo Script: Lab 3 - Add Infrastructure

Add Hyper-V Host to VMM	Click Instructions	Talking Points
	<ol style="list-style-type: none"> <li>1. Click <b>Add Resources</b>.</li> </ol>	<p>Now, you will add the Hyper-V host you just created to Virtual Machine Manager. To get started, follow the prompts on the screen.</p>
	<ol style="list-style-type: none"> <li>2. Select <b>Hyper-V Hosts and Clusters</b>.</li> </ol>	

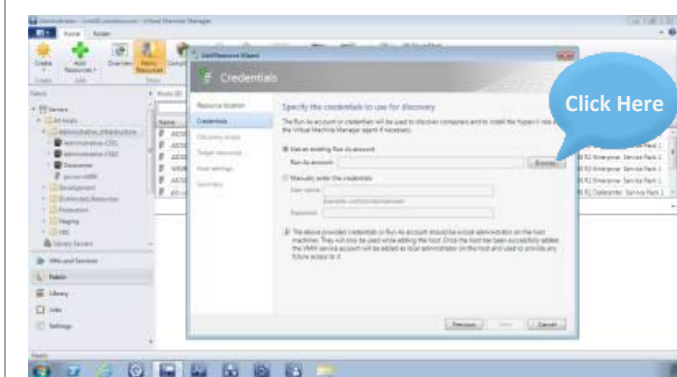


## Demo Script: Lab 3 - Add Infrastructure

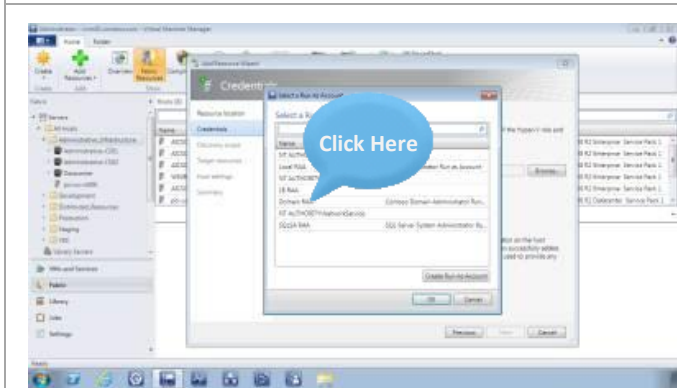


3. Click **Next**.

Use the **Add Resources Wizard** to find the host to add to Virtual Machine Manager.


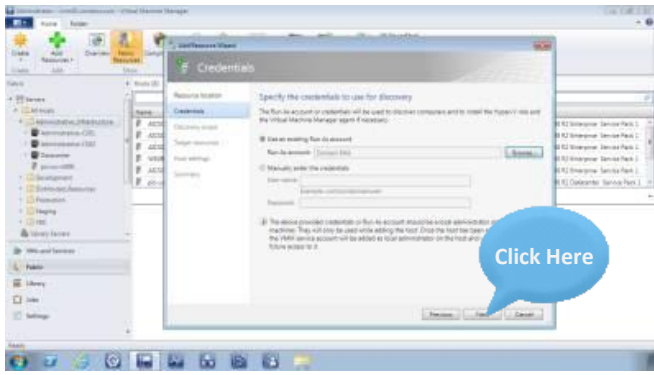
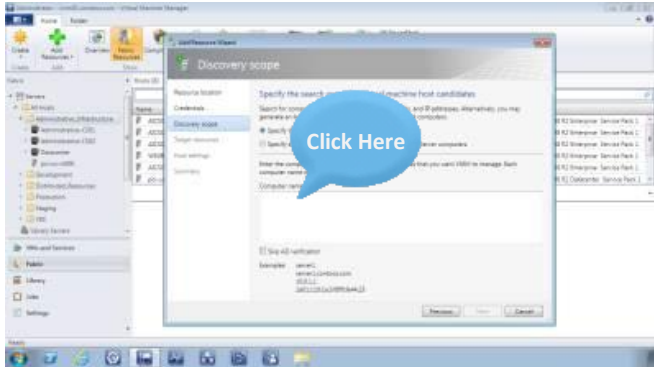


4. Click **Browse...**

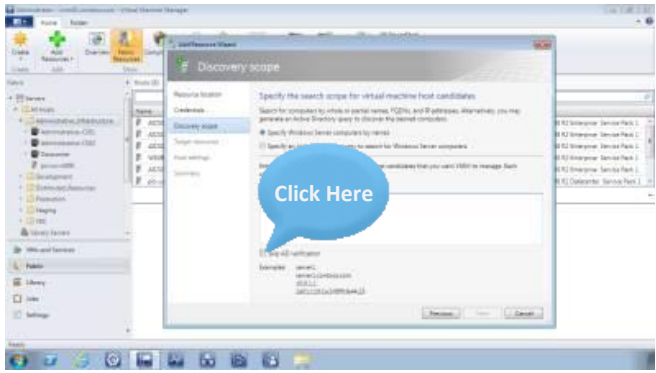
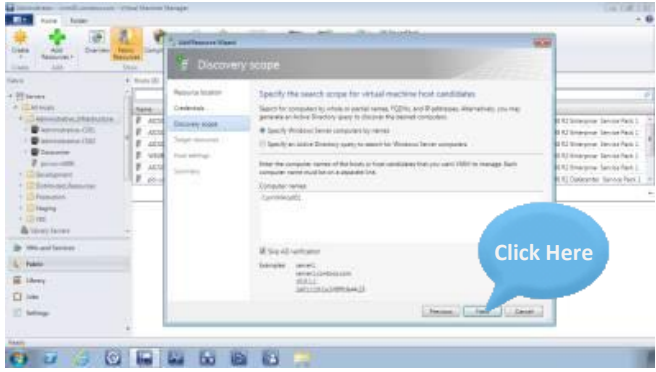



5. Click **Domain RAA**.


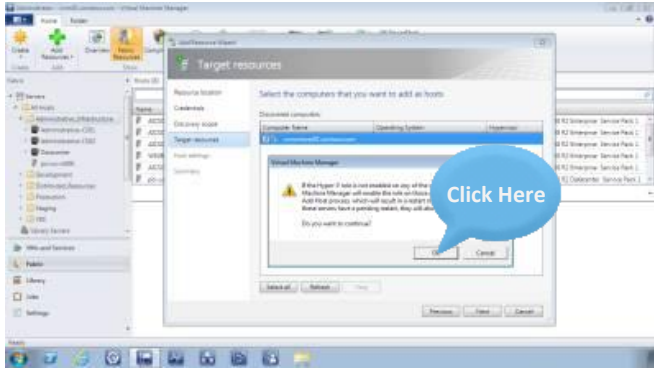
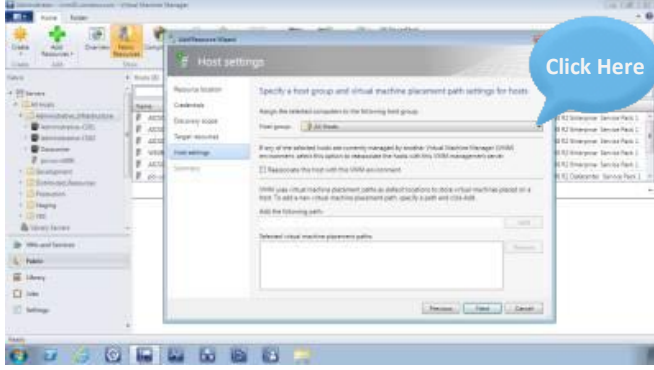
## Demo Script: Lab 3 - Add Infrastructure

	<p>6. Click <b>OK</b>.</p>	
	<p>7. Click <b>Next</b>.</p>	
	<p>8. Click to enter the computer name.</p>	

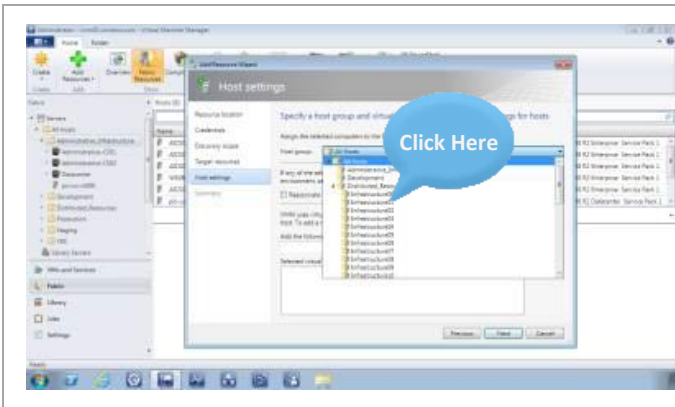
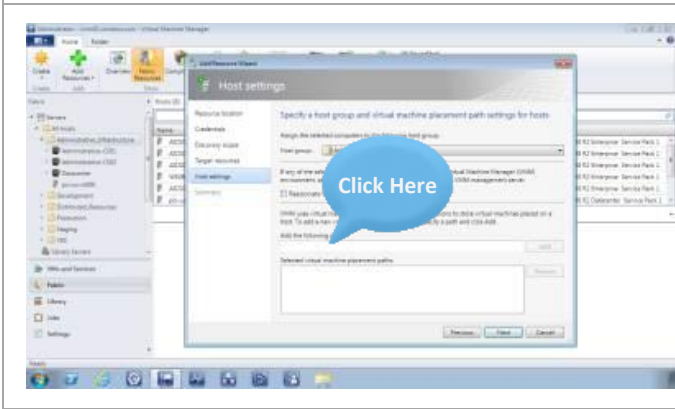
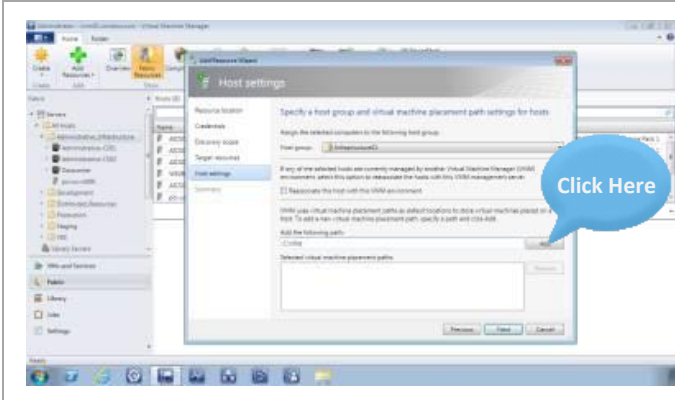
## Demo Script: Lab 3 - Add Infrastructure

	<p>9. Check the <b>Skip AD verification</b> box.</p>	
	<p>10. Click <b>Next</b>.</p>	
	<p>11. Check the box.</p>	<p>Select a host computer and continue clicking through the wizard to specify a host group and placement path settings.</p>

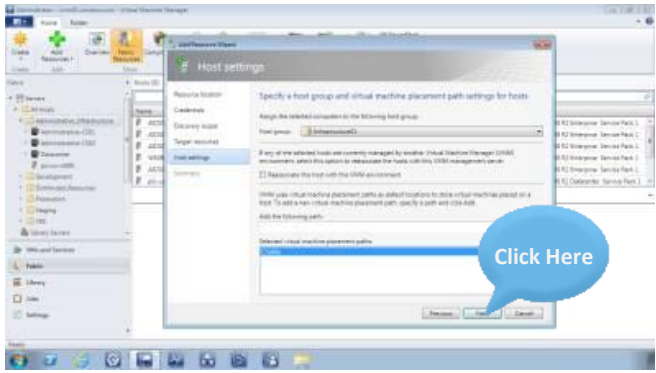
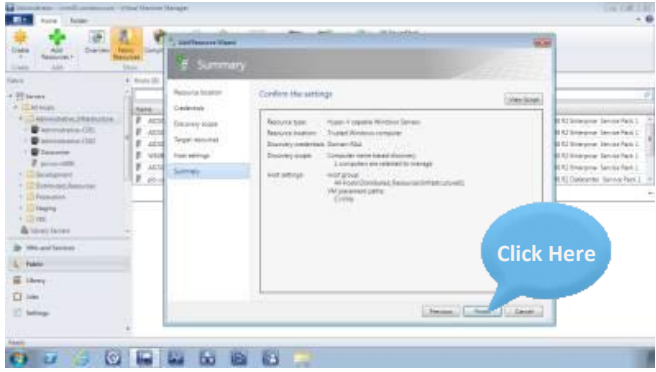
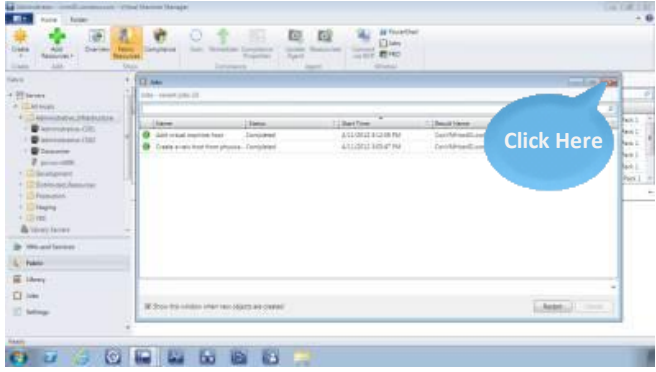
## Demo Script: Lab 3 - Add Infrastructure

	<p>12. Click <b>Next</b>.</p>	
	<p>13. Click <b>OK</b>.</p>	
	<p>14. Click the <b>Host group</b> drop-down.</p>	

## Demo Script: Lab 3 - Add Infrastructure

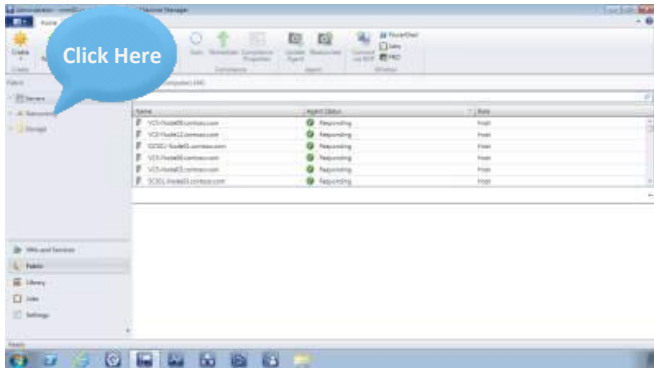
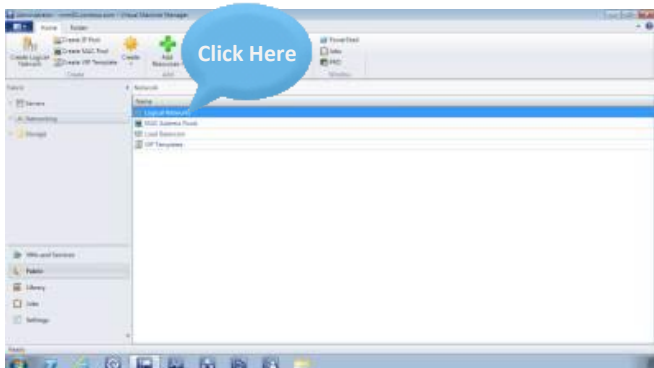
	<p>15. Select <b>Infrastructure01</b>.</p>	
	<p>16. Click to enter a path.</p>	
	<p>17. Click <b>Add</b>.</p>	

## Demo Script: Lab 3 - Add Infrastructure

	<p>18. Click <b>Next</b>.</p>	
	<p>19. Click <b>Finish</b>.</p>	<p>Once you have confirmed your settings, complete the wizard to add the host computer to Virtual Machine Manager.</p>
	<p>20. Click <b>Close</b>.</p>	

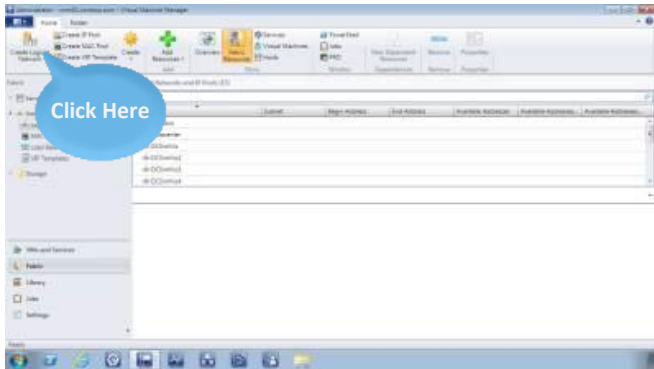
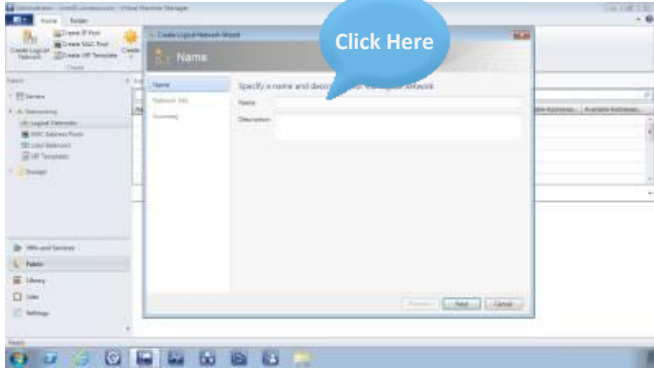
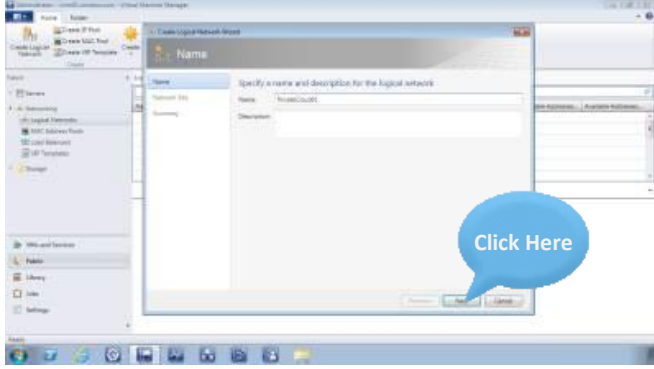


## Demo Script: Lab 3 - Add Infrastructure

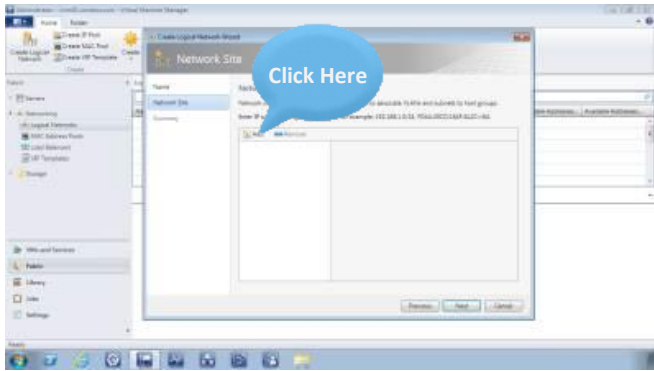
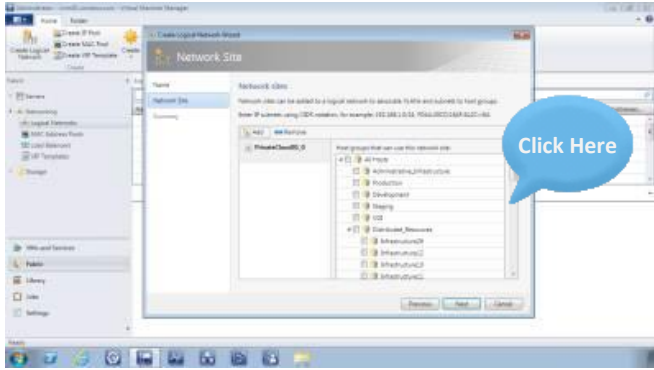
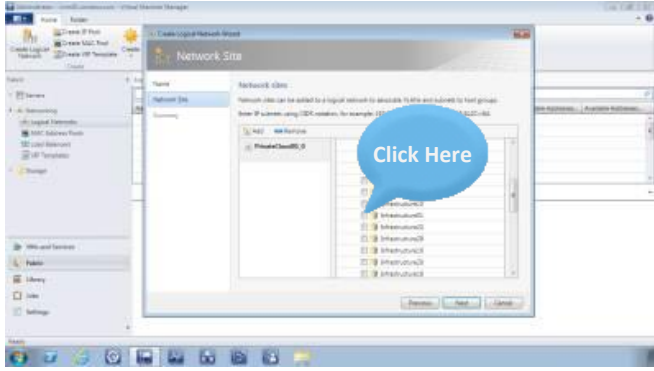
Create a Logical Network/IP Pool	Click Instructions	Talking Points
	1. Click <b>Networking</b> .	Next, you will create a new logical network and IP pool to simplify self-service. To get started, follow the prompts on the screen.
	2. Click <b>Logical Networks</b> .	




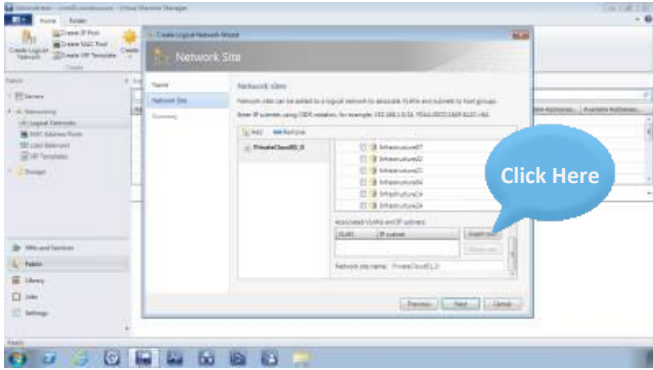

## Demo Script: Lab 3 - Add Infrastructure

	<p>3. Click <b>Create Logical Network</b>.</p>	
	<p>4. Click to enter a name.</p>	<p>Logical networks allow self-service users to deploy applications without the need to understand the underlying network fabric. Use the <b>Create Logical Network Wizard</b> to name your new logical network and associate it with a network site.</p>
	<p>5. Click <b>Next</b>.</p>	

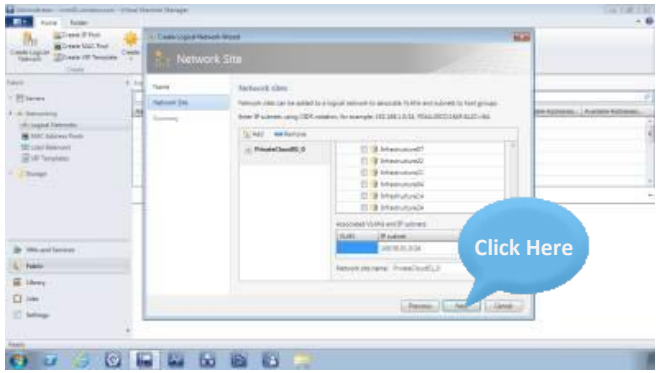
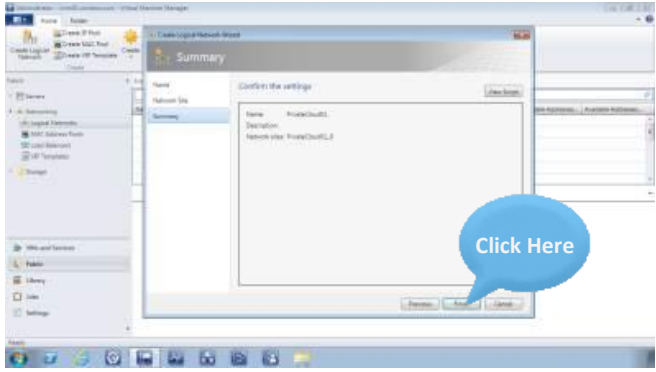
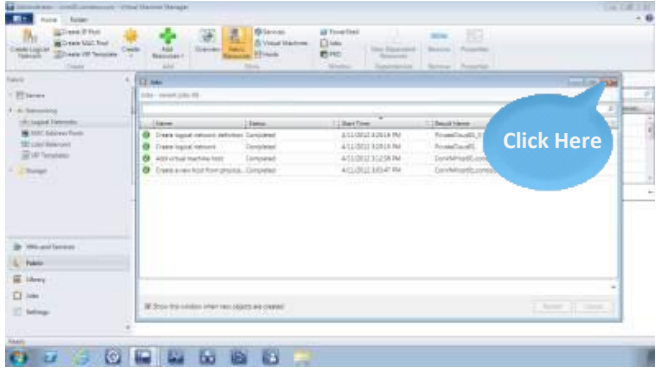
## Demo Script: Lab 3 - Add Infrastructure

	<p>6. Click <b>Add</b>.</p>	
	<p>7. Scroll down.</p>	
	<p>8. Check the <b>Infrastructure01</b> box.</p>	

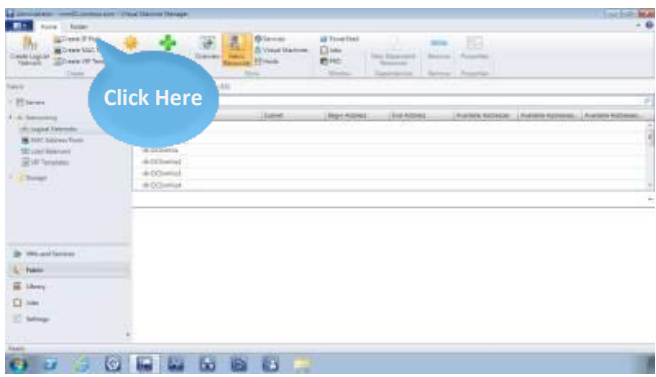
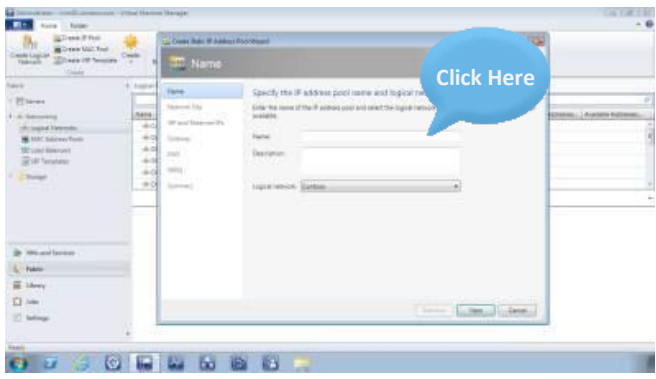
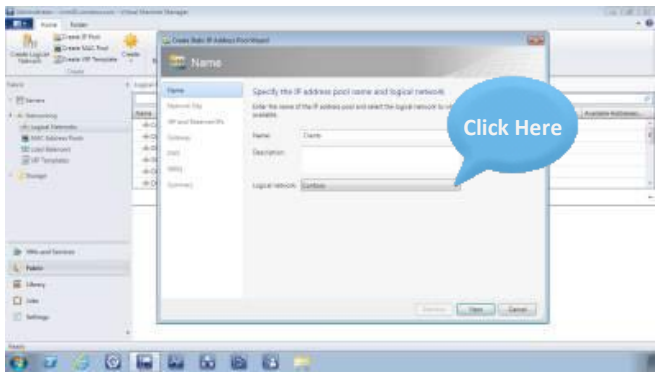
## Demo Script: Lab 3 - Add Infrastructure

	<p>9. Scroll down.</p>	
	<p>10. Click <b>Insert row</b>.</p>	
	<p>11. Click to enter an <b>IP subnet</b>.</p>	

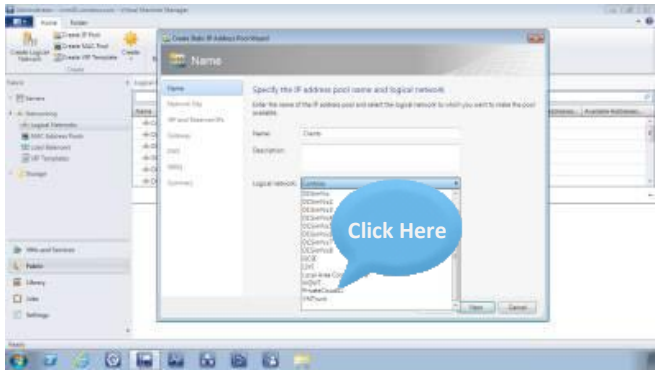
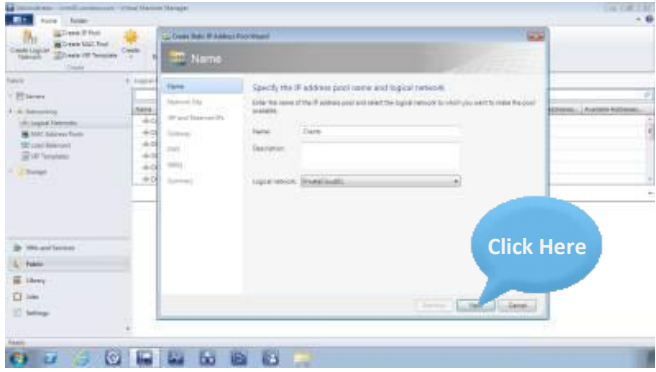
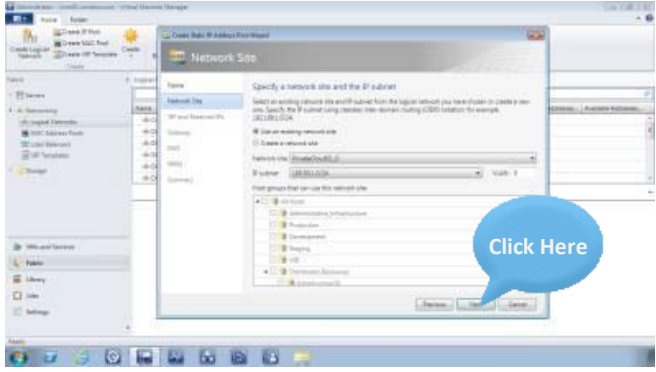
## Demo Script: Lab 3 - Add Infrastructure

	<p>12. Click <b>Next</b>.</p>	
	<p>13. Click <b>Finish</b>.</p>	<p>Once you have confirmed your settings, complete the wizard to create the new logical network.</p>
	<p>14. Click <b>Close</b>.</p>	

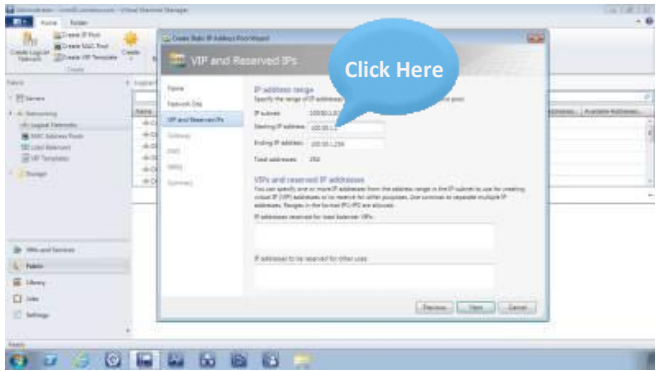
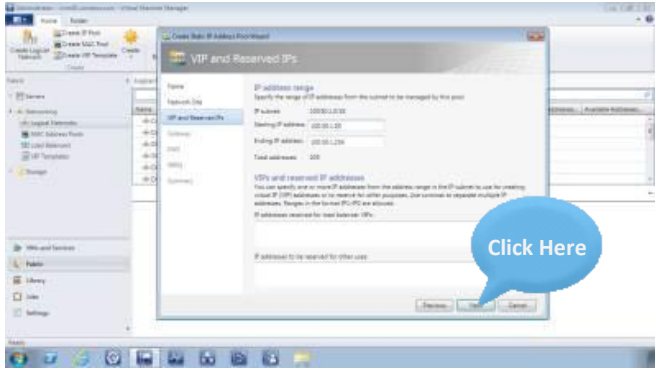
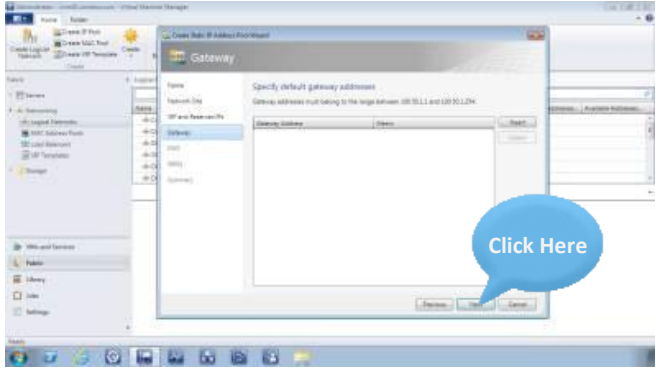
## Demo Script: Lab 3 - Add Infrastructure

	<p>15. Click <b>Create IP Pool</b>.</p>	<p>Use the <b>Create Static IP Address Pool Wizard</b> to create an IP address pool for the new logical network.</p>
	<p>16. Click to enter a name.</p>	
	<p>17. Click the <b>Logical network</b> drop-down.</p>	

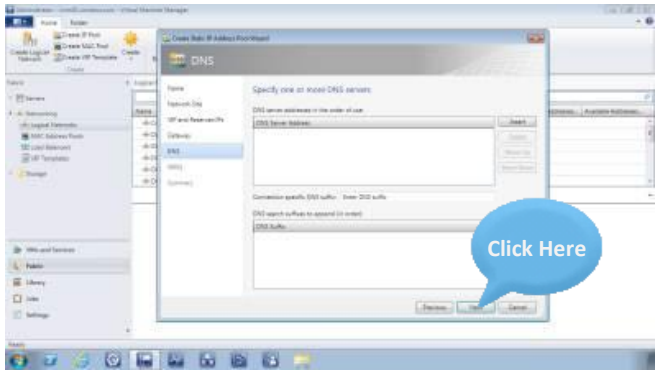
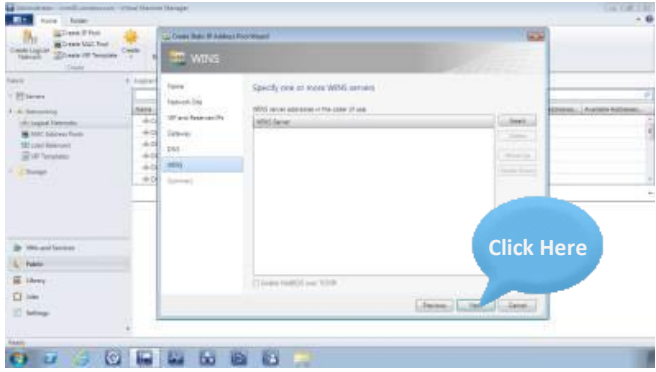
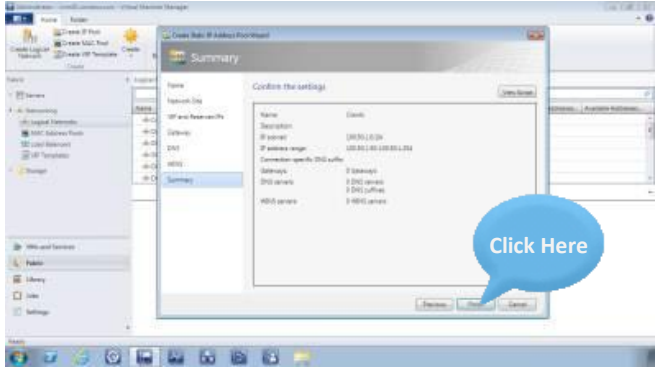
## Demo Script: Lab 3 - Add Infrastructure

	<p>18. Select <b>PrivateCloud01</b>.</p>	
	<p>19. Click <b>Next</b>.</p>	
	<p>20. Click <b>Next</b>.</p>	

## Demo Script: Lab 3 - Add Infrastructure

	<p>21. Click to change the <b>Starting IP address</b>.</p>	
	<p>22. Click <b>Next</b>.</p>	
	<p>23. Click <b>Next</b>.</p>	

## Demo Script: Lab 3 - Add Infrastructure

	<p>24. Click <b>Next</b>.</p>	
	<p>25. Click <b>Next</b>.</p>	
	<p>26. Click <b>Finish</b>.</p>	<p>Once you have confirmed your settings, complete the wizard to create the new IP address pool.</p>

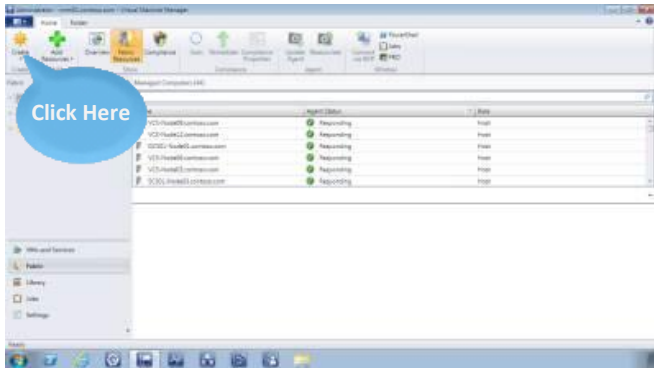
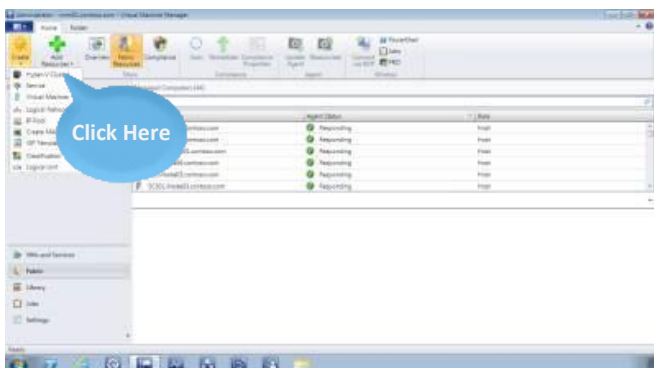


## Demo Script: Lab 3 - Add Infrastructure

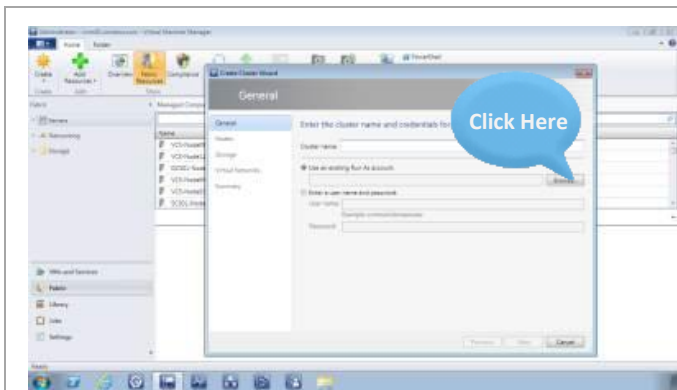


27. Click **Close**.

## Demo Script: Lab 3 - Add Infrastructure

Create New Hyper-V Cluster	Click Instructions	Talking Points
	1. Click <b>Create</b> .	Next, you will create a Hyper-V cluster. To get started, follow the prompts on the screen.
	2. Select <b>Hyper-V Cluster</b> .	

## Demo Script: Lab 3 - Add Infrastructure



3. Click **Browse...**

Hyper-V clusters form the underlying fabric of your private cloud infrastructure. You will use the **Create Cluster Wizard** to select a host for your single-node cluster.

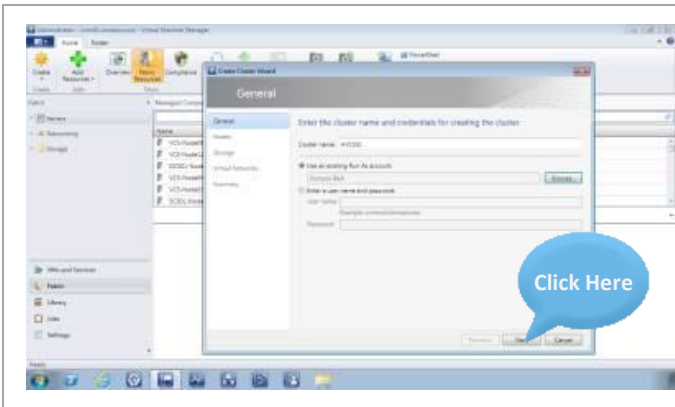
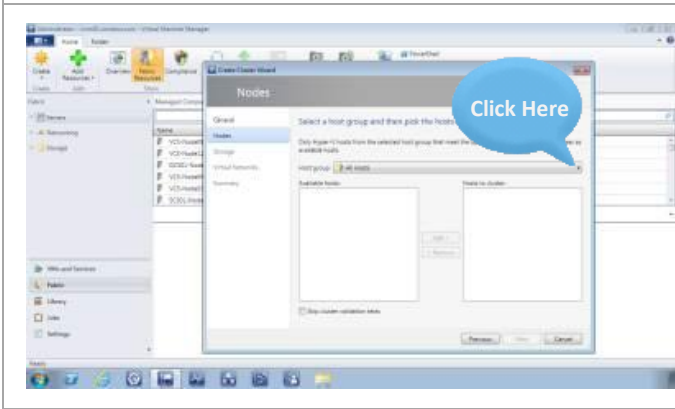
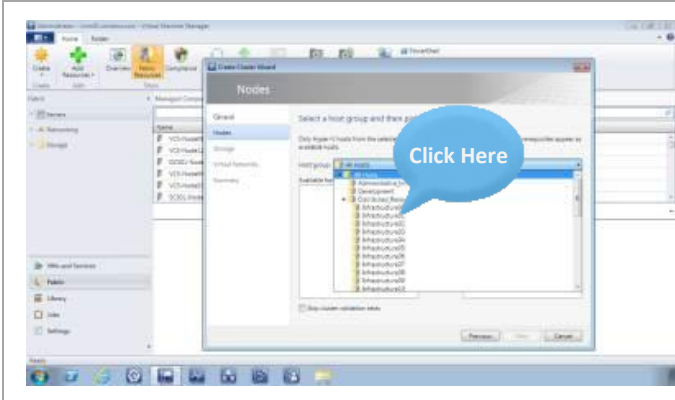


4. Click **Domain RAA.**

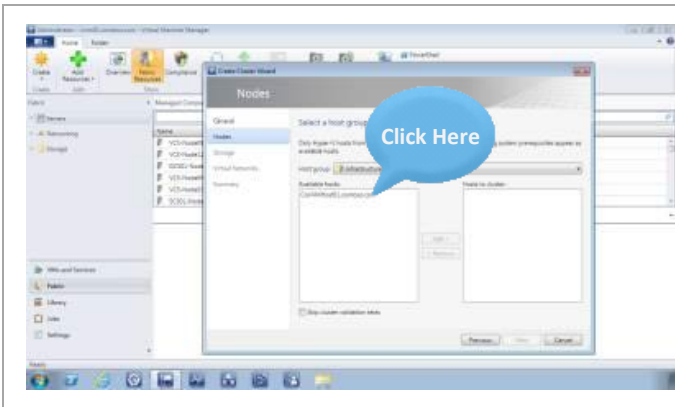
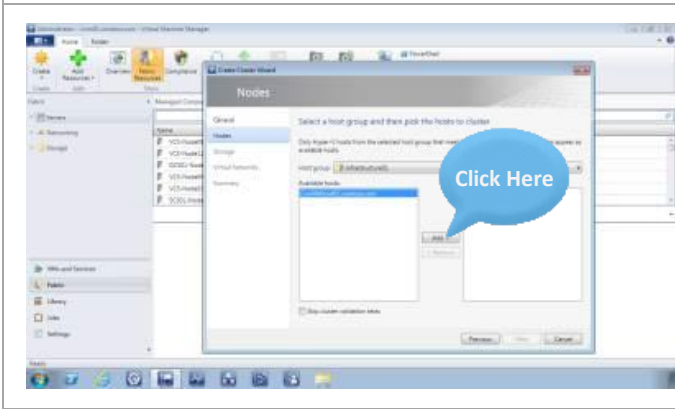
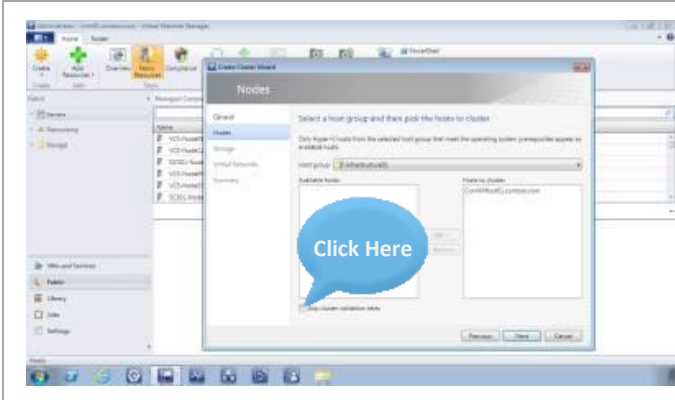


5. Click **OK.**

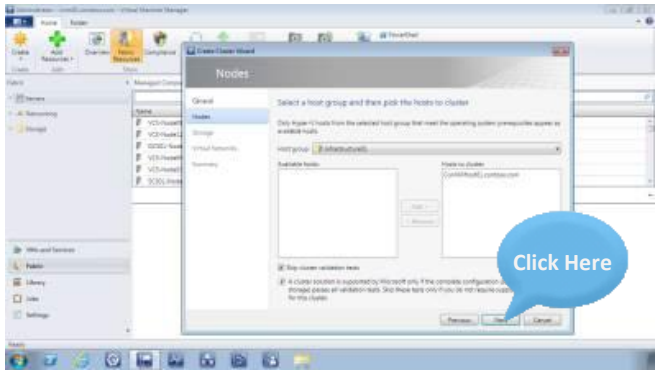
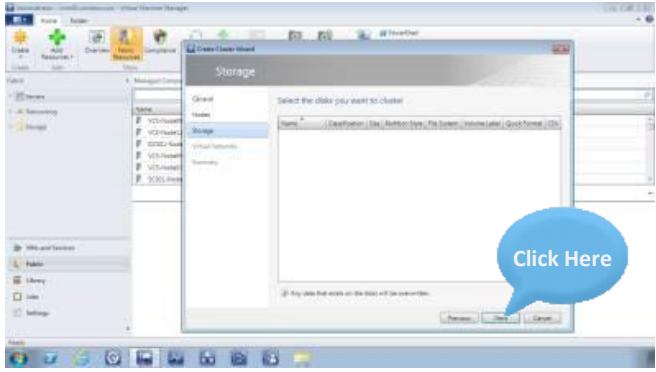
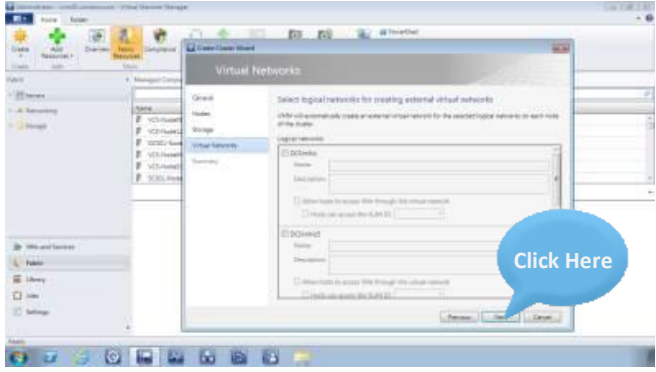
## Demo Script: Lab 3 - Add Infrastructure

	<p>6. Click <b>Next</b>.</p>	
	<p>7. Click the <b>Host group</b> drop-down.</p>	
	<p>8. Select <b>Infrastructure01</b>.</p>	

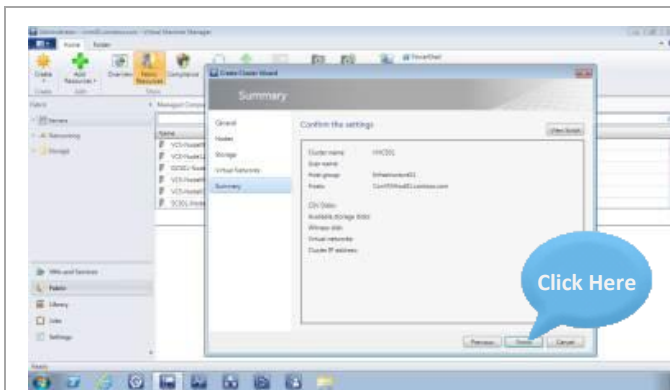
## Demo Script: Lab 3 - Add Infrastructure

	<p>9. Select an available host.</p>	
	<p>10. Click <b>Add</b>.</p>	
	<p>11. Check the <b>Skip cluster...</b> box.</p>	

## Demo Script: Lab 3 - Add Infrastructure

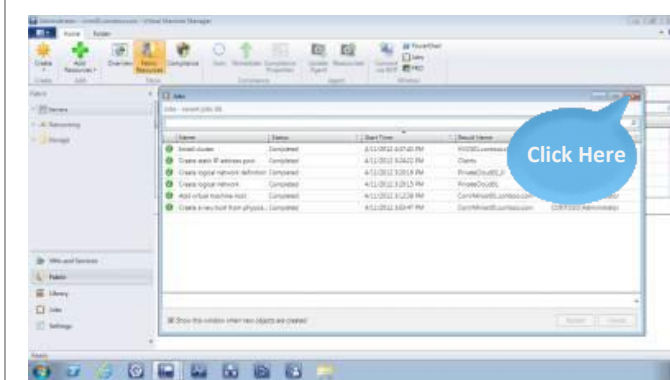
 <p>The screenshot shows the 'Nodes' step of the 'Create Cluster Wizard'. The 'Nodes' tab is selected in the left pane. The main area shows a list of nodes under the 'Nodes' group. A blue speech bubble with the text 'Click Here' points to the 'Next' button at the bottom right of the wizard.</p>	<p>12. Click <b>Next</b>.</p>	
 <p>The screenshot shows the 'Storage' step of the 'Create Cluster Wizard'. The 'Storage' tab is selected in the left pane. The main area shows a list of storage options under the 'Storage' group. A blue speech bubble with the text 'Click Here' points to the 'Next' button at the bottom right of the wizard.</p>	<p>13. Click <b>Next</b>.</p>	
 <p>The screenshot shows the 'Virtual Networks' step of the 'Create Cluster Wizard'. The 'Virtual Networks' tab is selected in the left pane. The main area shows a list of virtual network options under the 'Virtual Networks' group. A blue speech bubble with the text 'Click Here' points to the 'Next' button at the bottom right of the wizard.</p>	<p>14. Click <b>Next</b>.</p>	

## Demo Script: Lab 3 - Add Infrastructure



15. Click **Finish**.



Once you have confirmed your settings, complete the wizard to create a new Hyper-V cluster.



16. Click **Close**.

In this brief guided lab, you saw a representative example of how you can use Virtual Machine Manager to quickly deploy Hyper-V hosts, configure networking and storage resources, and create clusters.

## Demo Script: Lab 3 - Add Infrastructure

Conclusion	Click Instructions	Talking Points
	<p>1.</p>	<p>You have successfully completed the guided lab on how to “Add Additional Infrastructure to Accommodate Resource Needs.” 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>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>