






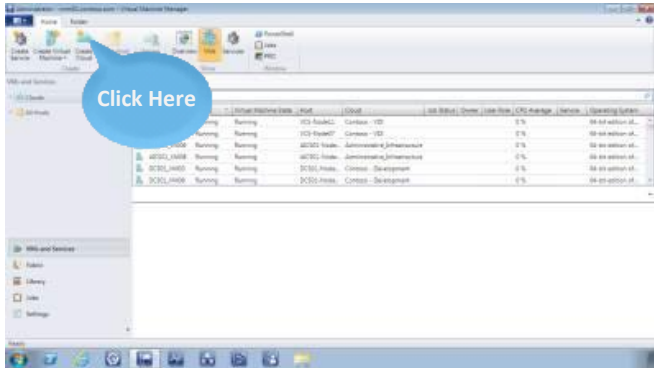
Introduction	Click Instructions	Talking Points
 <p>Delegate Cloud Resources to Help Ensure Proper Access</p> <p>A Microsoft Private Cloud Experience</p> <p>Guided Lab with Audio</p> <p>Click Here</p>	<p>1.</p>	<p>Welcome to this guided lab on how to “Delegate Cloud Resources to Help Ensure Proper Access.”</p>
 <p>Series Progression</p> <p>1. Provision Resources Through Self-Service Requests</p> <p>2. Deploy Containers to Service Gateway</p> <p>3. Add Additional Infrastructure to Accommodate Resource Needs</p> <p>4. Delegate Cloud Resources to Help Ensure Proper Access</p> <p>5. Create Consistency Through Service Templates</p> <p>6. Perform a Standardized Application Deployment to Host</p> <p>7. Manage Application Resources</p> <p>8. Deploy an Application to a Production Environment</p> <p>9. Gain Insight into Deploying Through Reporting</p> <p>10. Monitor Alerts and Infrastructure</p> <p>11. Test Consistent Alerts in the Alerts and Infrastructure</p> <p>12. Perform Mean Time to Resolution with Alerts</p> <p>13. Deploy an Update to a Service Instance</p> <p>14. Deploy a New Service Instance</p> <p>APPLICATION MANAGEMENT</p> <p>SERVICE DELIVERY AND AUTOMATION</p> <p>Click Here</p>	<p>2.</p>	<p>This guided lab is the fourth 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' callout 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">Application Management;Service Delivery and Automation; andInfrastructure Management.
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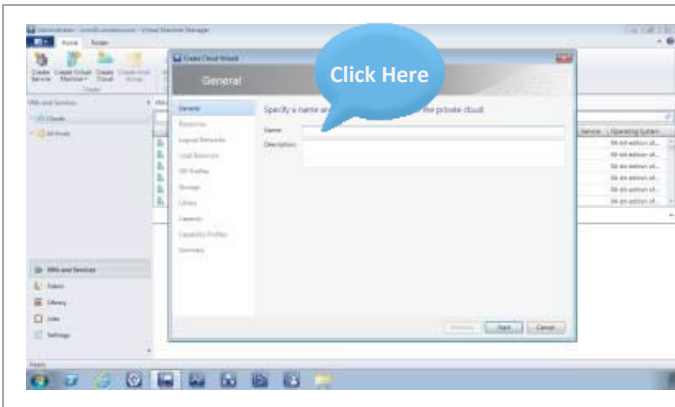
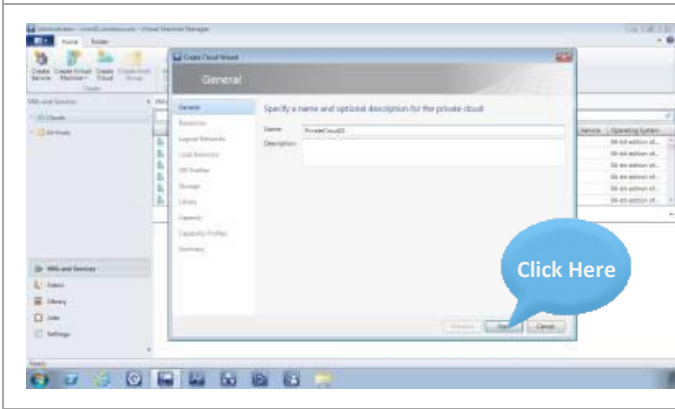
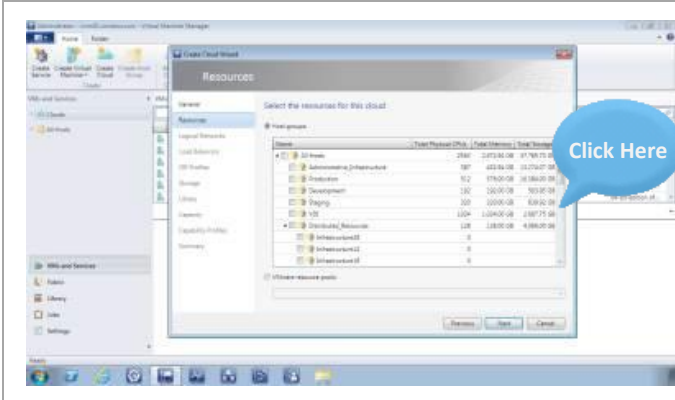
How to Navigate	Click Instructions	Talking Points
	<p>1.</p>	<p>To navigate this guided lab, either click the prompts indicated on the screen, or use your forward and back arrow keys to navigate through the steps.</p> <p>You can also access the control bar at the bottom of the screen for additional options.</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 4 - Delegate Resources

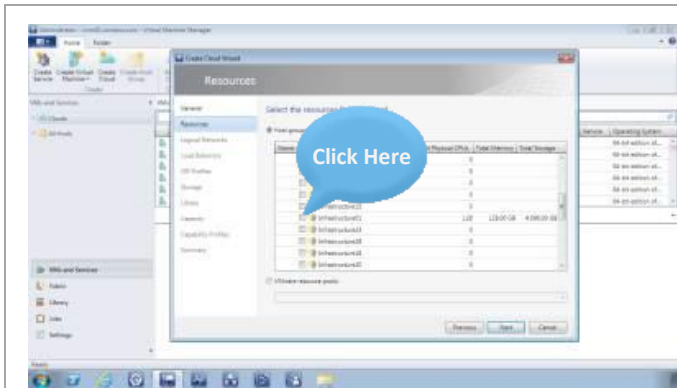
Learning Objective	Click Instructions	Talking Points
<p>Learning Objective</p> <p>In this guided lab, you will learn how you can use Microsoft System Center 2012 - Virtual Machine Manager to create a private cloud, add user roles, and assign resource access to those roles.</p> 	<ol style="list-style-type: none">1.	<p>In this guided lab, you will learn how you can use Microsoft System Center 2012 - Virtual Machine Manager to create a private cloud, add user roles, and assign resource access to those roles.</p>

Delegate Cloud Resources	Click Instructions	Talking Points
	<ol style="list-style-type: none"> 1. Click Create Cloud. 	<p>Virtual Machine Manager makes it easy to abstract resources to create new private clouds and delegate access to the users who need them. You can also assign administrator-level or self-service user roles with quotas and limited access to specific resources. To create a private cloud, follow the on-screen prompts.</p> <p>Technical note: Microsoft System Center 2012 - Virtual Machine Manager delivers simple and complete support for consolidating multiple physical servers within a virtual infrastructure. With Virtual Machine Manager, you can provision virtual machine hosts, and then add those hosts to an existing cluster. Virtual Machine Manager enables administrators and authorized users to rapidly provision virtual machines and helps administrators to manage all elements of a virtual infrastructure, including load balancers, storage, and networks.</p>

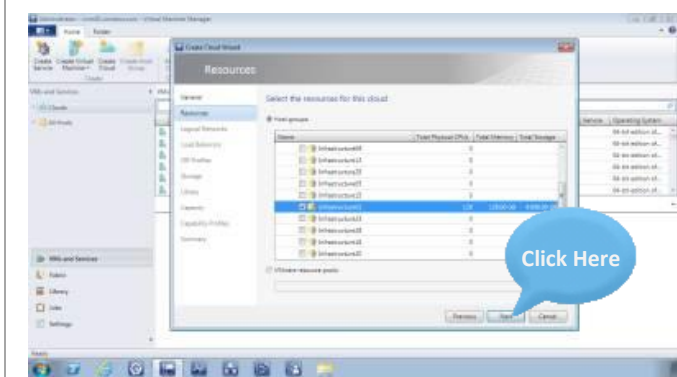
Demo Script: Lab 4 - Delegate Resources

	<p>2. Click to enter a name.</p>	
	<p>3. Click Next.</p>	
	<p>4. Scroll down.</p>	

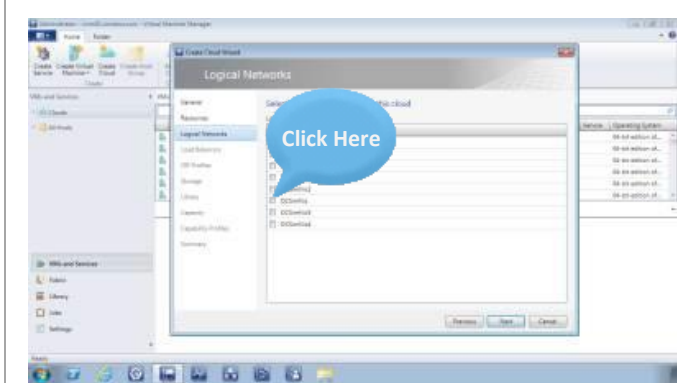
Demo Script: Lab 4 - Delegate Resources



5. Click the **Infrastructure01** check box.

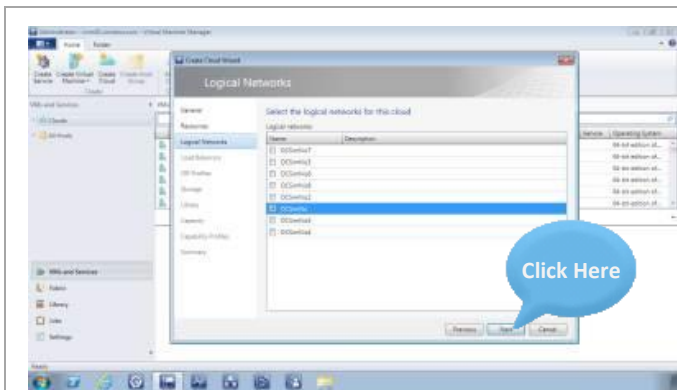


6. Click **Next**.

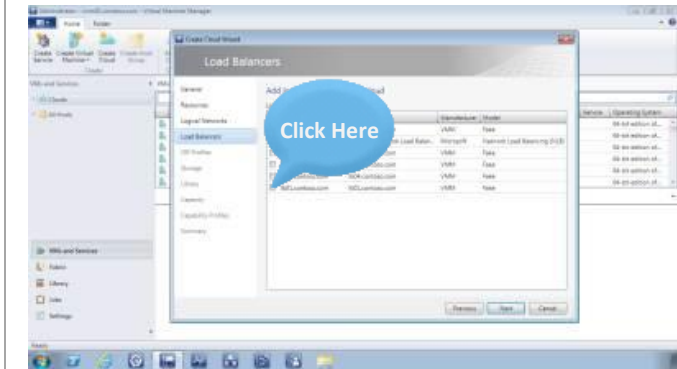


7. Click the **DCSimNic** check box.

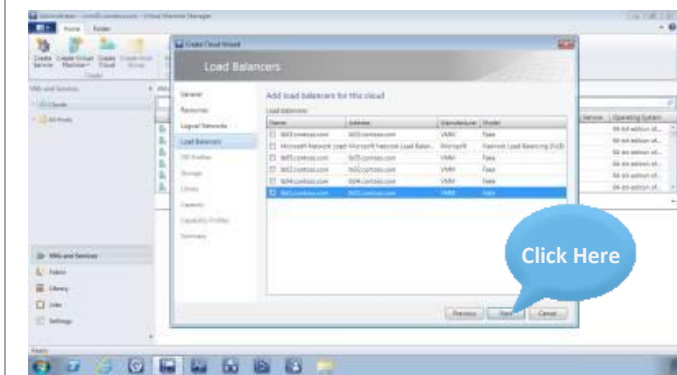
Demo Script: Lab 4 - Delegate Resources



8. Click **Next**.

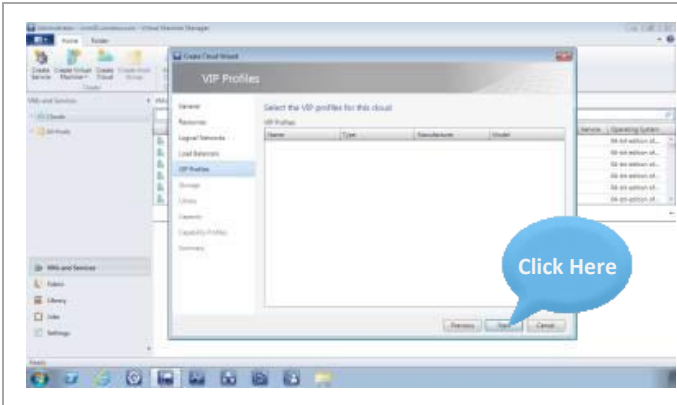
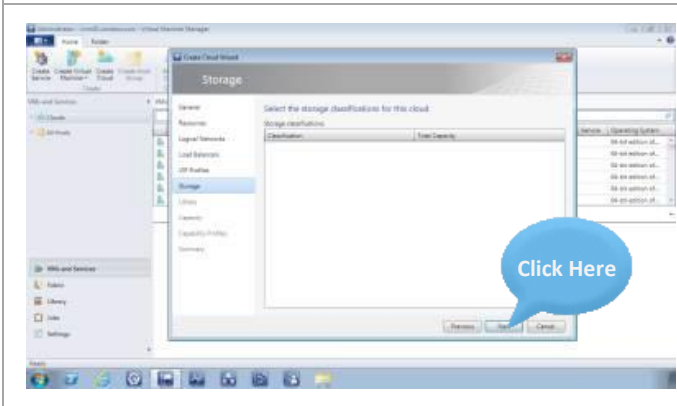
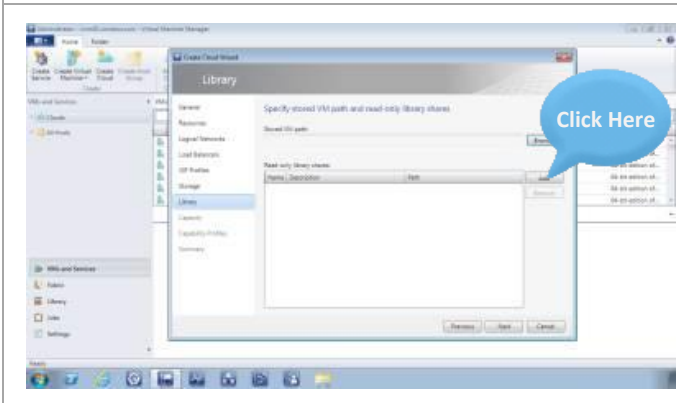


9. Click the **lb01.contoso.com** check box.

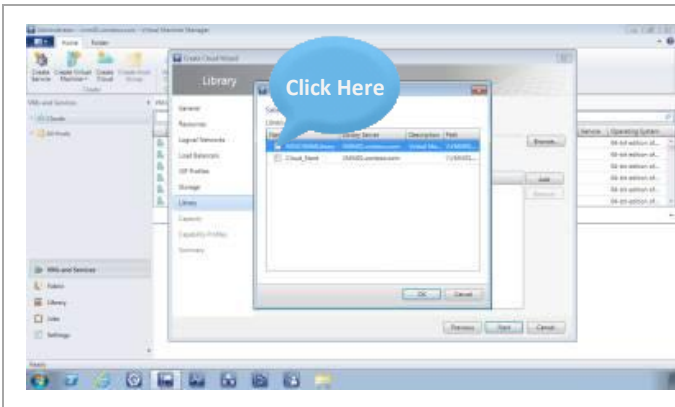
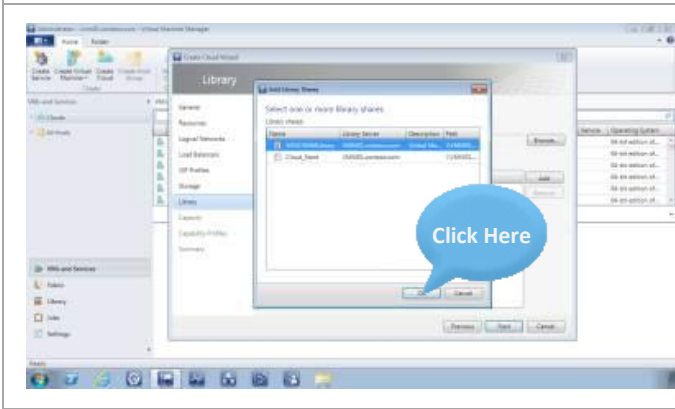
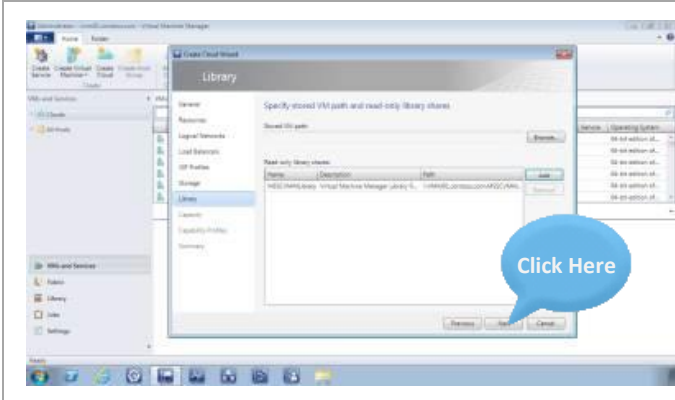


10. Click **Next**.

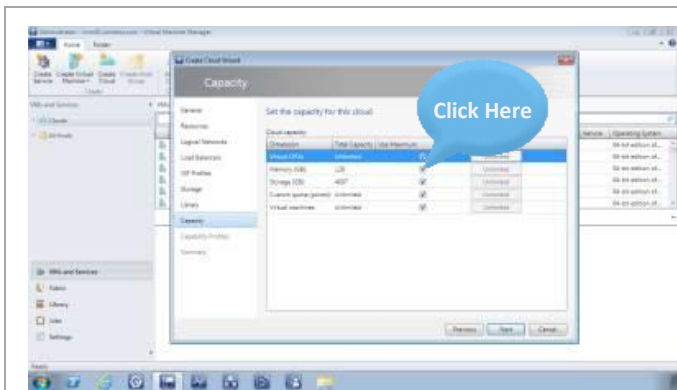
Demo Script: Lab 4 - Delegate Resources

	<p>11. Click Next.</p>	
	<p>12. Click Next.</p>	
	<p>13. Click Add.</p>	<p>Next, you will specify a library share for this private cloud. Follow the on-screen prompts to continue.</p>

Demo Script: Lab 4 - Delegate Resources

	14. Click the first check box.	
	15. Click OK .	
	16. Click Next .	

Demo Script: Lab 4 - Delegate Resources

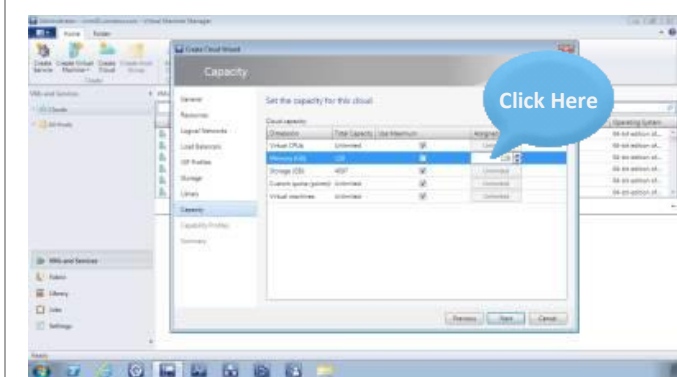


17. Click to deselect the check box.

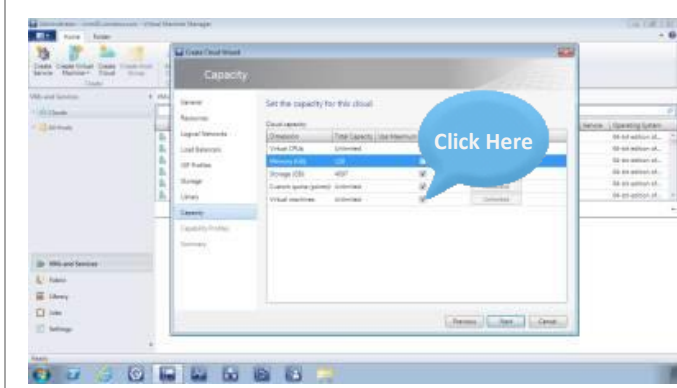
The cloud capacity settings need to be modified.

Establishing quotas allows you to set limits on the amount of allocated resources.

To do so, follow the on-screen prompts.

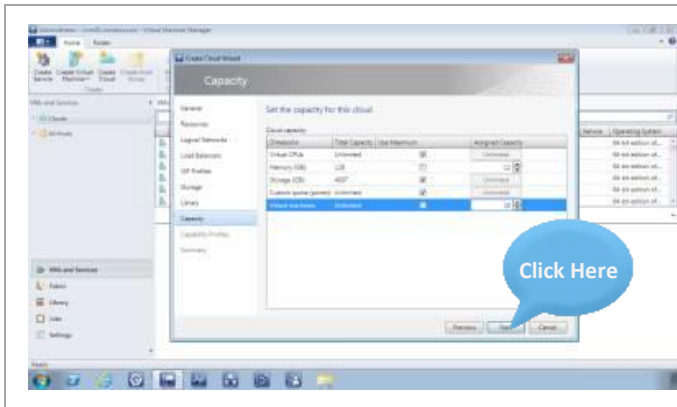
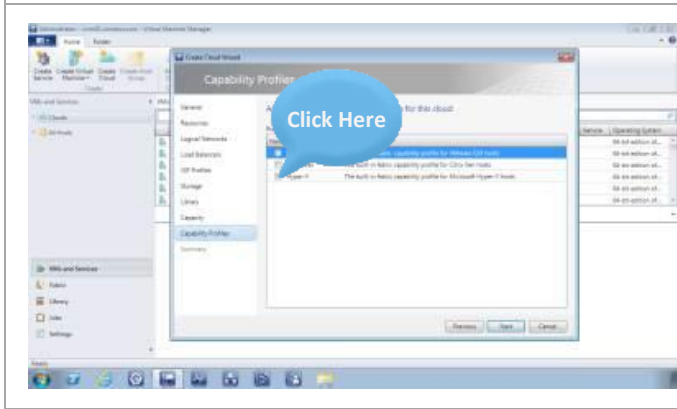
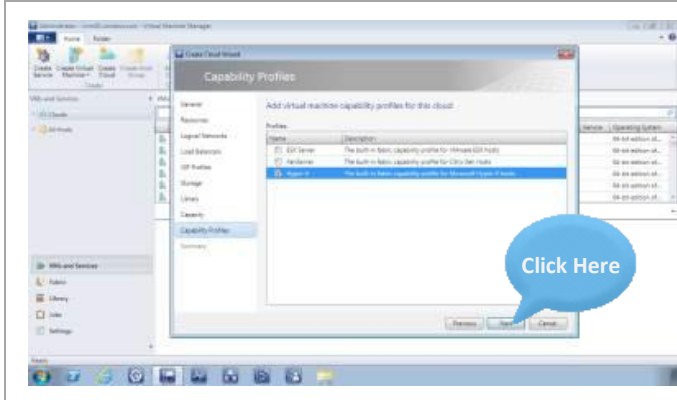


18. Click to enter **12**.

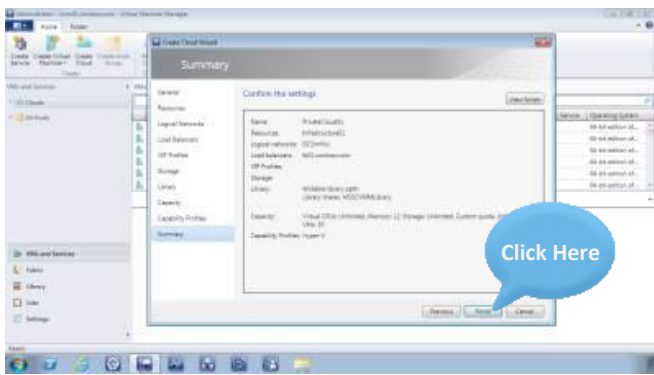
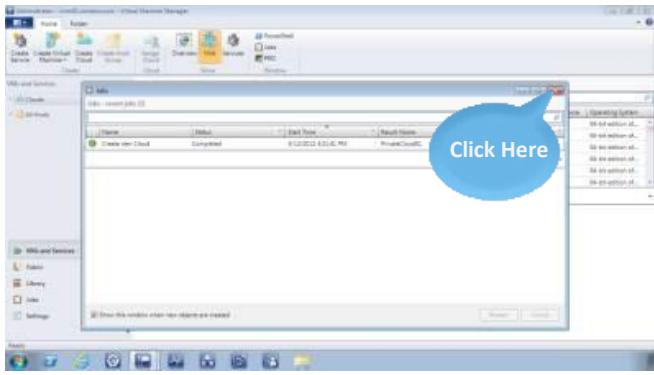
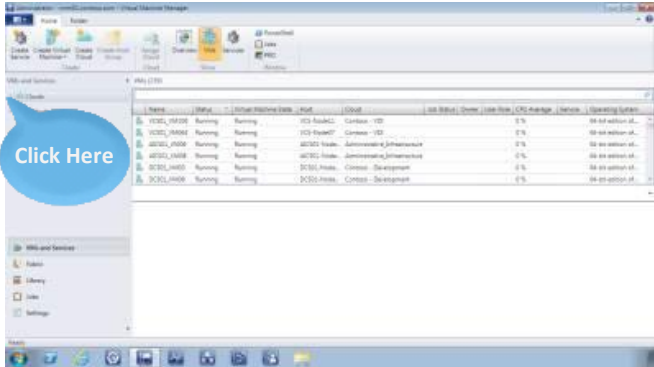


19. Click to deselect the check box.

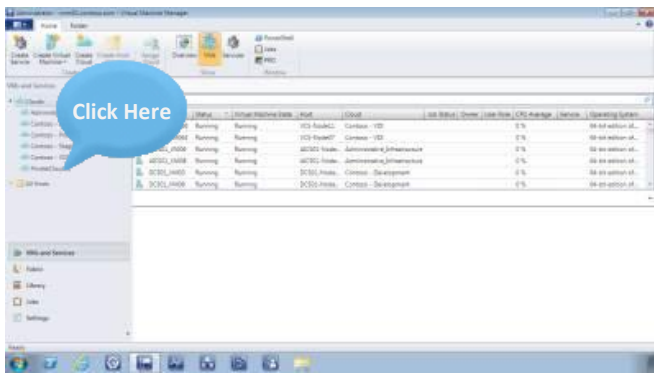
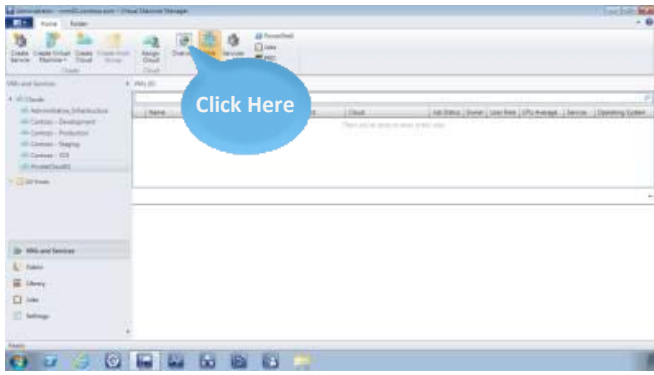
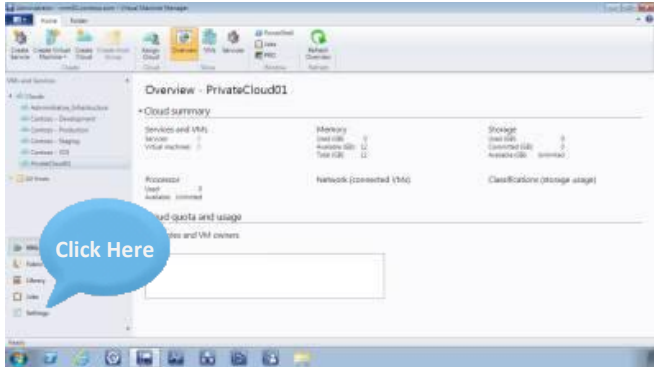
Demo Script: Lab 4 - Delegate Resources

	<p>20. Click Next.</p>	
	<p>21. Click the last check box.</p>	<p>If you had multiple hypervisors served by this cloud, you would select the different capacity profiles that match your environment.</p>
	<p>22. Click Next.</p>	

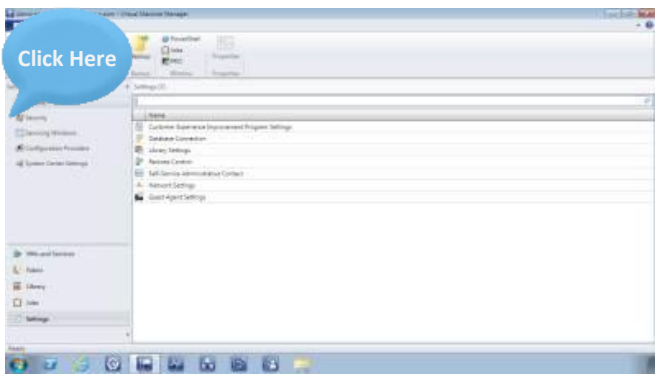
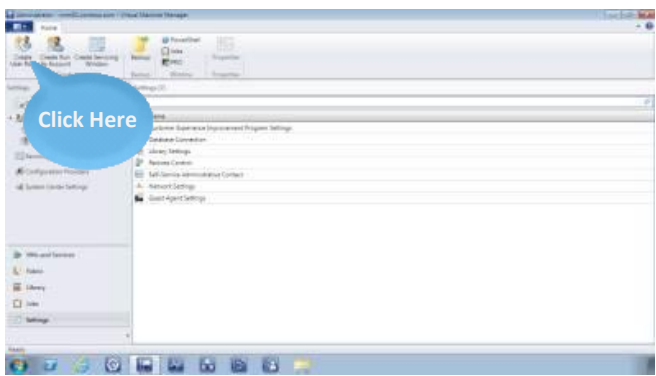
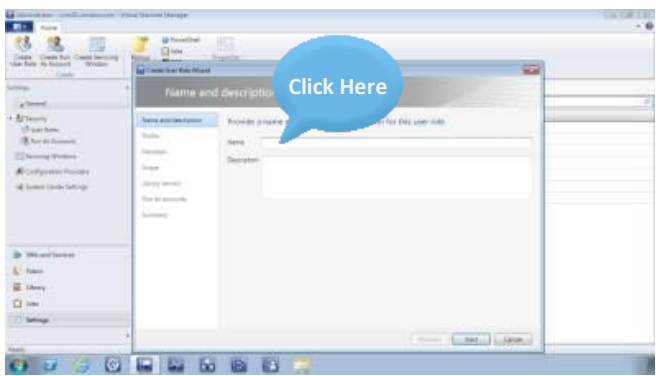
Demo Script: Lab 4 - Delegate Resources

	<p>23. Click Finish.</p>	<p>Once you have confirmed your settings, complete the wizard to set capacity for the new private cloud.</p>
	<p>24. Click Close.</p>	<p>With the new cloud created, verify the configuration settings to ensure that they are accurate. Follow the on-screen prompts to continue.</p>
	<p>25. Expand Clouds.</p>	

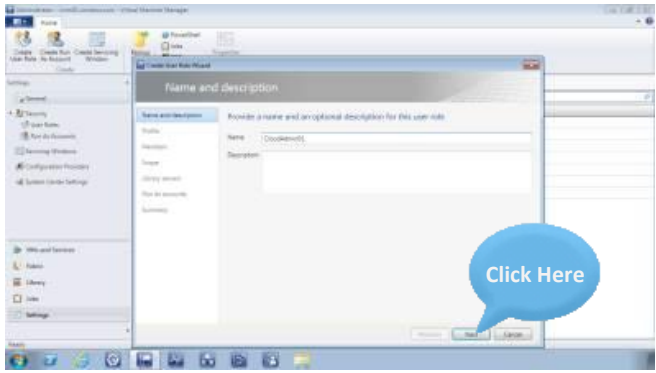
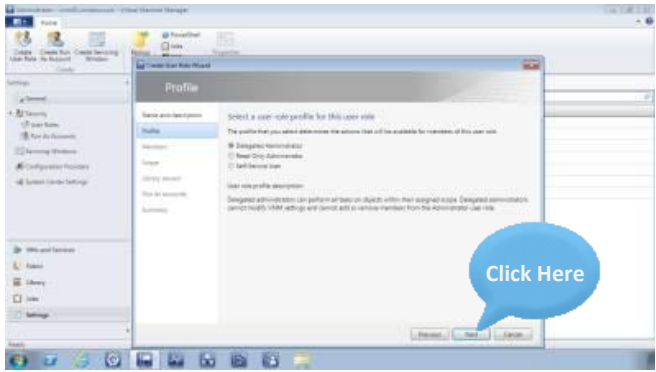
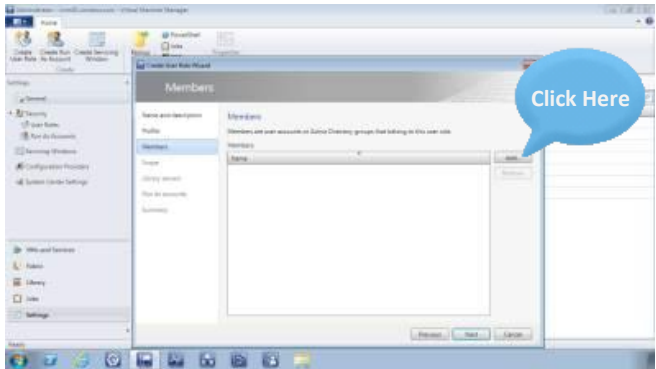
Demo Script: Lab 4 - Delegate Resources

	<p>26. Click PrivateCloud01.</p>	
	<p>27. Click Overview.</p>	
	<p>28. Click Settings.</p>	<p>In the Overview area, you can view the quota, usage, and much more for your newly created private cloud.</p> <p>Now, you will configure access to this private cloud. To continue, follow the on-screen prompts.</p>

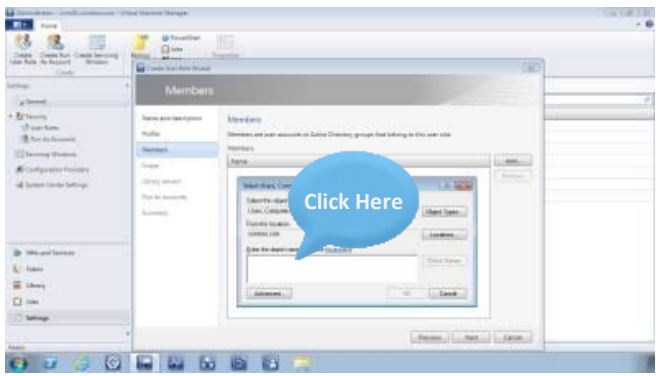
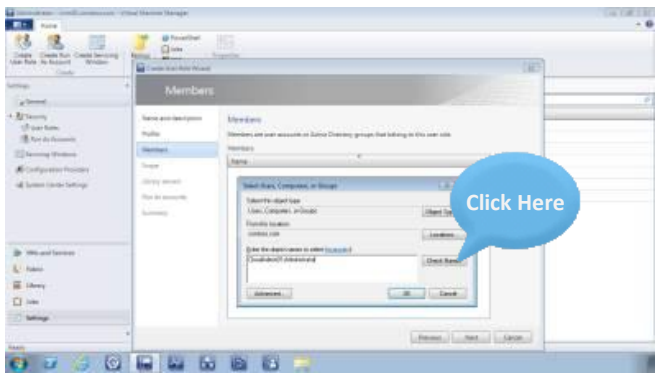
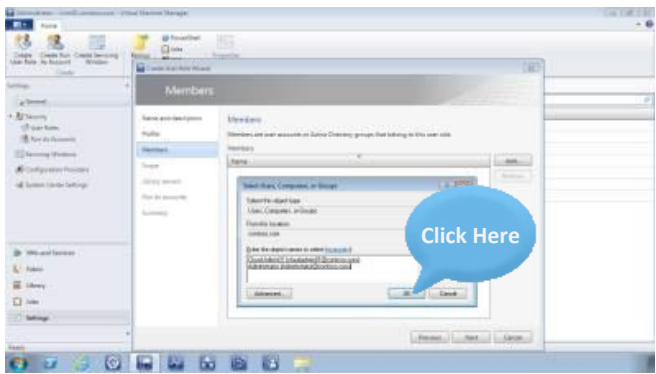
Demo Script: Lab 4 - Delegate Resources

	<p>29. Expand Security.</p>	
	<p>30. Click Create User Role.</p>	<p>To configure access, you will first create a “delegated administrator” user role.</p>
	<p>31. Click to enter a name.</p>	

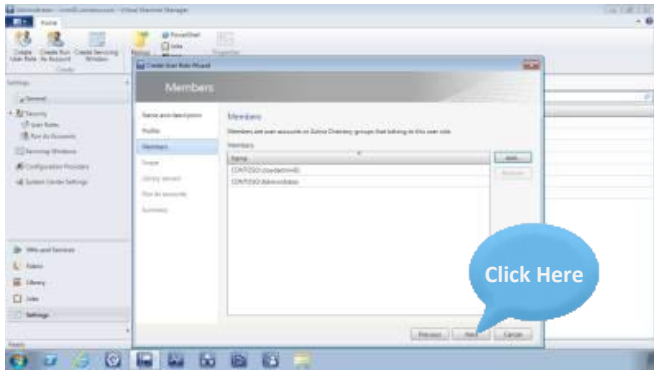
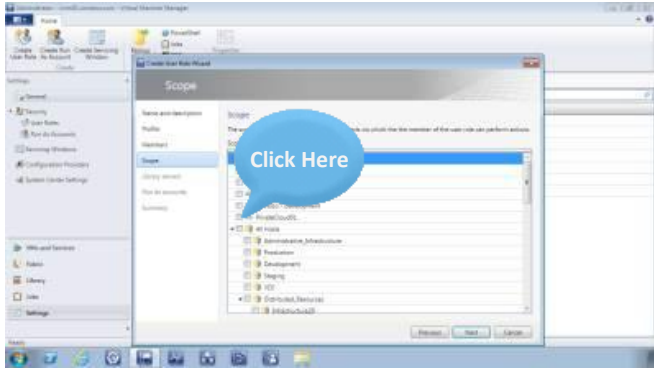
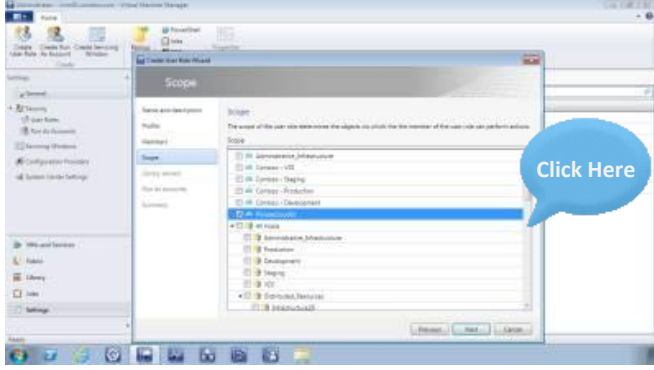
Demo Script: Lab 4 - Delegate Resources

	<p>32. Click Next.</p>	
	<p>33. Click Next.</p>	<p>Technical Note: Members of the delegated administrator user role can perform all administrative tasks within their assigned host groups, clouds, and library servers, except for adding Citrix XenServer and Windows Server Updated Services servers.</p>
	<p>34. Click Add...</p>	<p>To add members to this role, follow the on-screen prompts.</p>

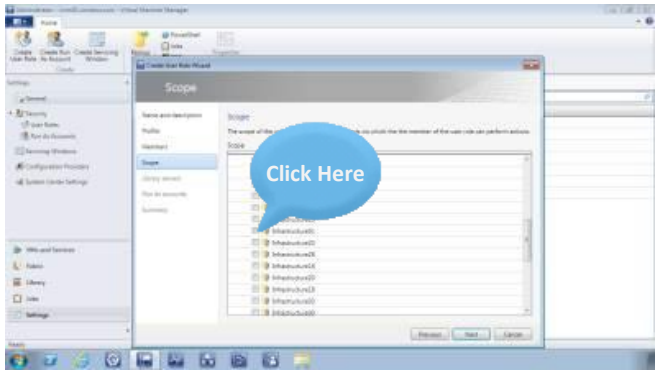
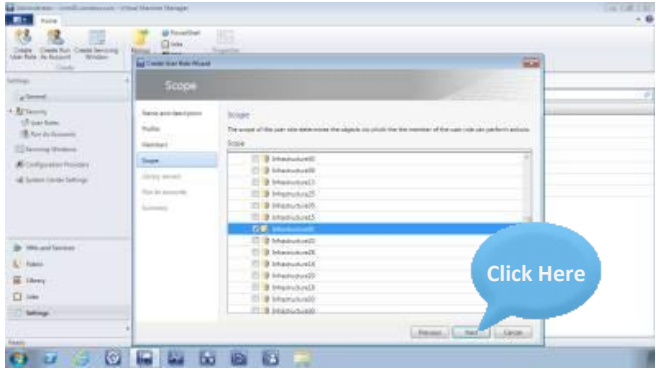
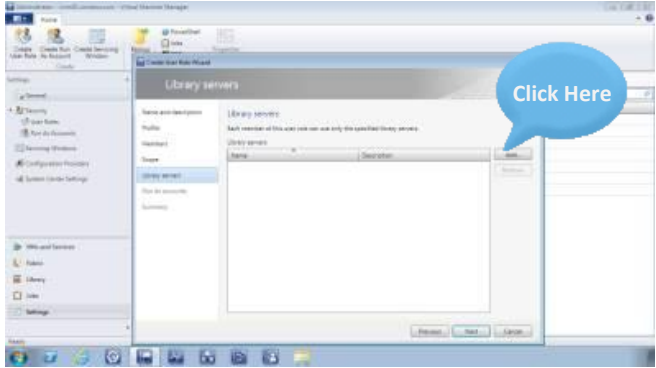
Demo Script: Lab 4 - Delegate Resources

	<p>35. Click to enter an object name.</p>	
	<p>36. Click Check Names.</p>	
	<p>37. Click OK.</p>	

Demo Script: Lab 4 - Delegate Resources

	<p>38. Click Next.</p>	
	<p>39. Click the PrivateCloud01 check box.</p>	<p>Specify the scope of the user role.</p>
	<p>40. Scroll down.</p>	

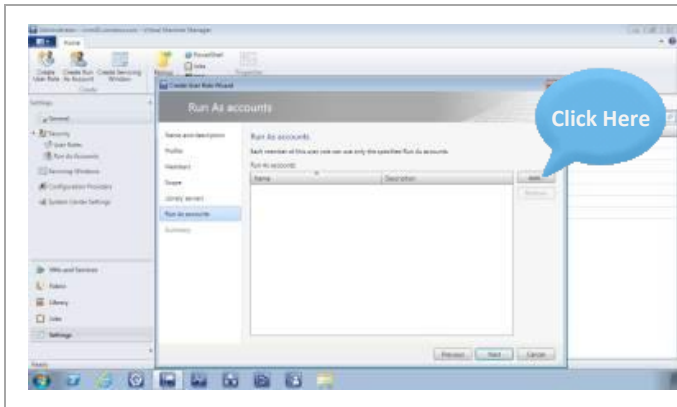
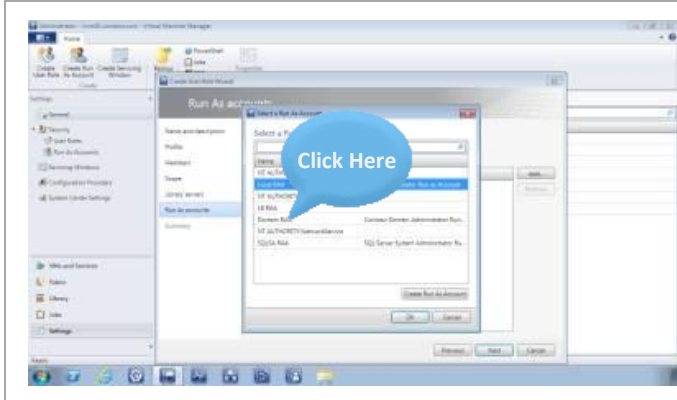
Demo Script: Lab 4 - Delegate Resources

	<p>41. Click the Infrastructure01 check box.</p>	
	<p>42. Click Next.</p>	
	<p>43. Click Add...</p>	<p>Specify the library servers to be used by this user role.</p>

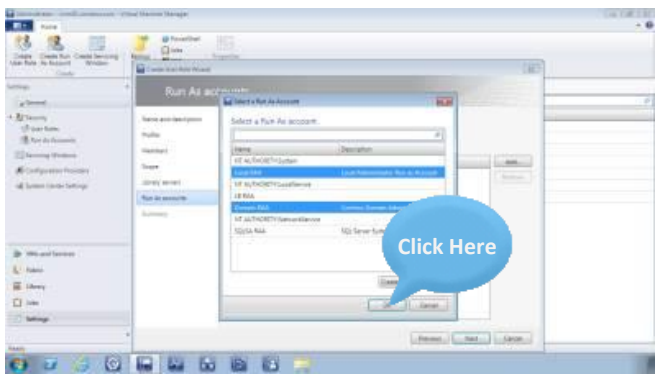
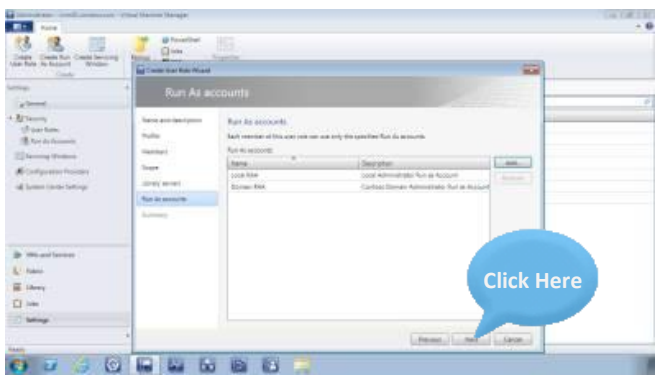
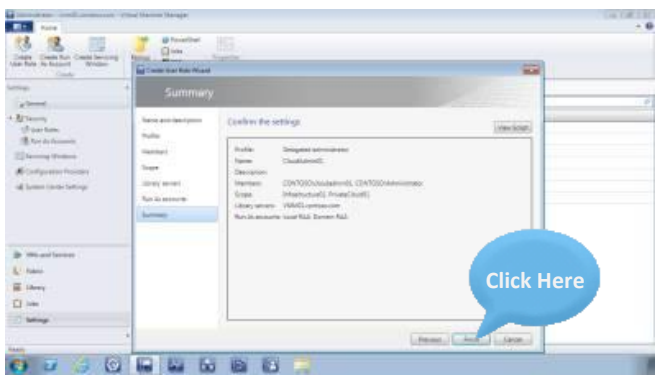
Demo Script: Lab 4 - Delegate Resources

	44. Select the library server.	
	45. Click OK .	
	46. Click Next .	

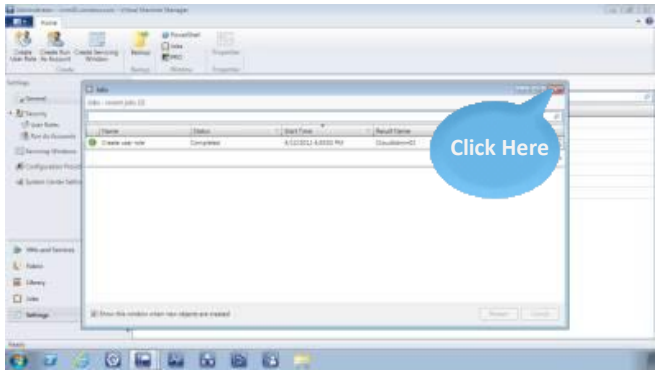
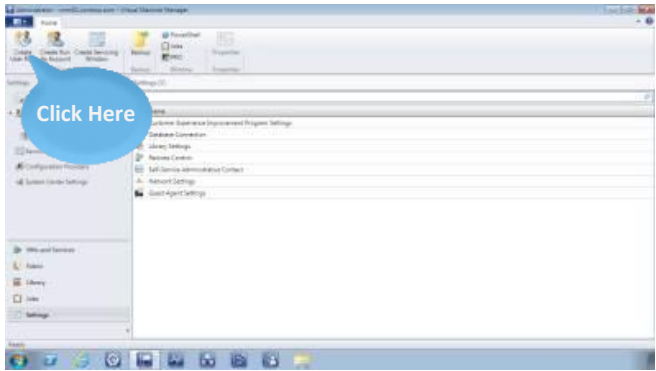
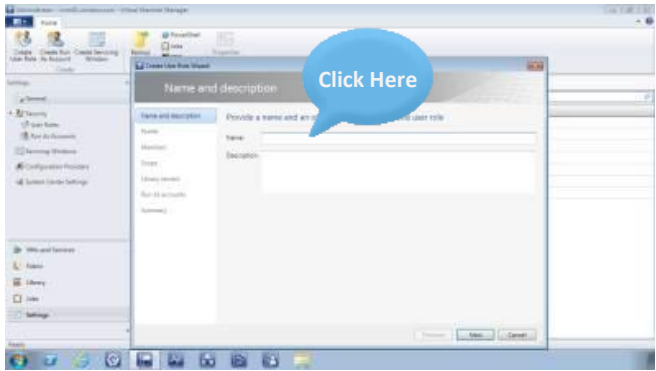
Demo Script: Lab 4 - Delegate Resources

	<p>47. Click Add...</p>	<p>Next, specify the "Run As" accounts to be used by this user role.</p>
	<p>48. Click Local RAA.</p>	
	<p>49. Click Domain RAA.</p>	

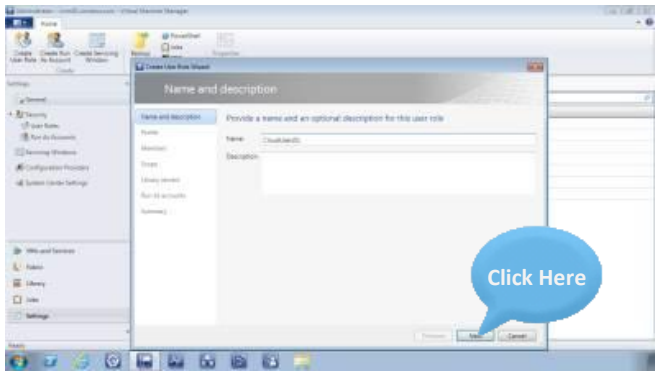
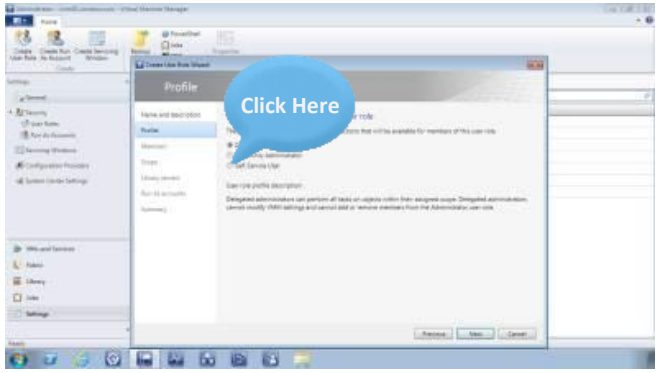
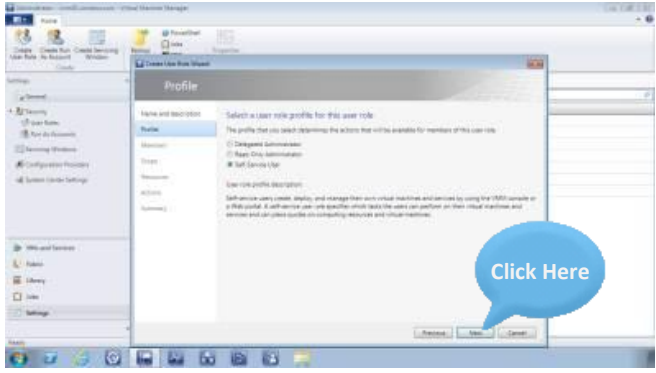
Demo Script: Lab 4 - Delegate Resources

	<p>50. Click OK.</p>	<p>Ensure that both the local and domain administrators are selected.</p>
	<p>51. Click Next.</p>	
	<p>52. Click Finish.</p>	

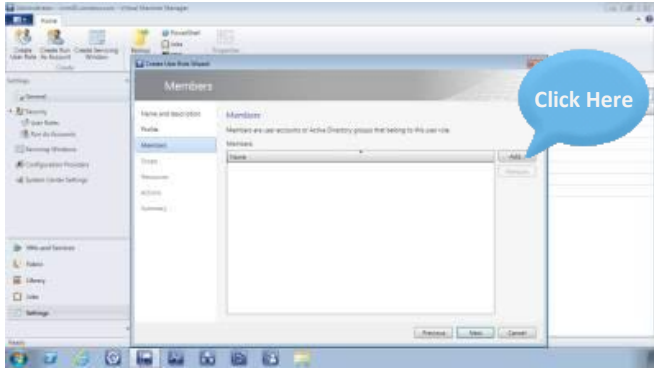
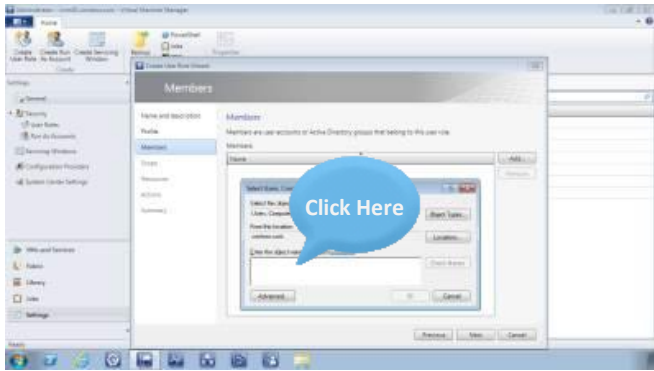
Demo Script: Lab 4 - Delegate Resources

	<p>53. Click Close.</p>	<p>With this delegated administrator role created, you can now create a self-service user role. Follow the on-screen prompts to continue.</p>
	<p>54. Click Create User Role.</p>	
	<p>55. Click to enter a name.</p>	

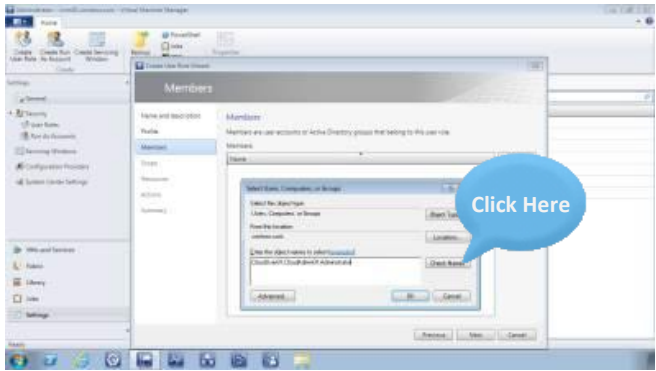
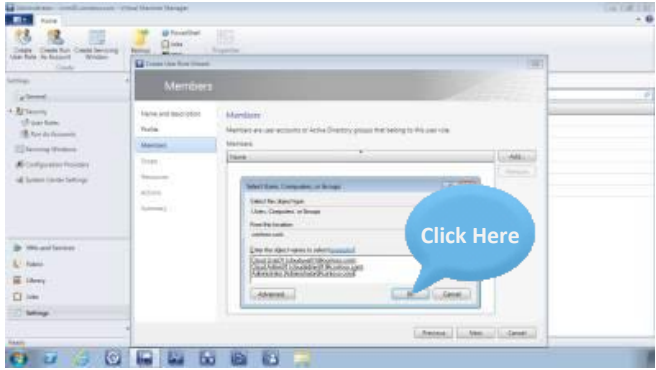
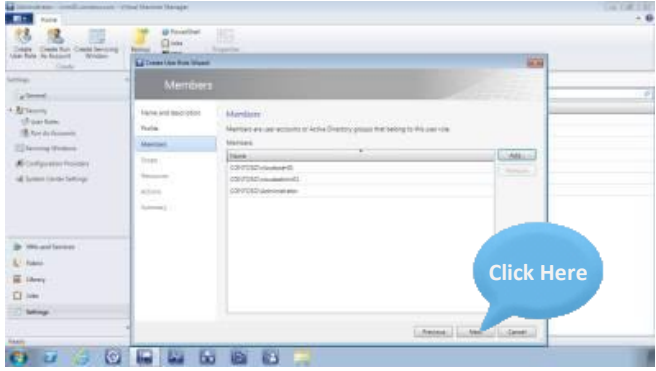
Demo Script: Lab 4 - Delegate Resources

	<p>56. Click Next.</p>	
	<p>57. Click the Self-Service User option.</p>	
	<p>58. Click Next.</p>	<p>Members of the self-service user role can create, deploy, and manage their own virtual machines and services by using the Microsoft System Center 2012 - Virtual Machine Manager Console or a web portal. Self-service role members can specify the private clouds to which their virtual machines and services are deployed and the actions that users can take. They can also place quotas on computing resources and virtual</p>

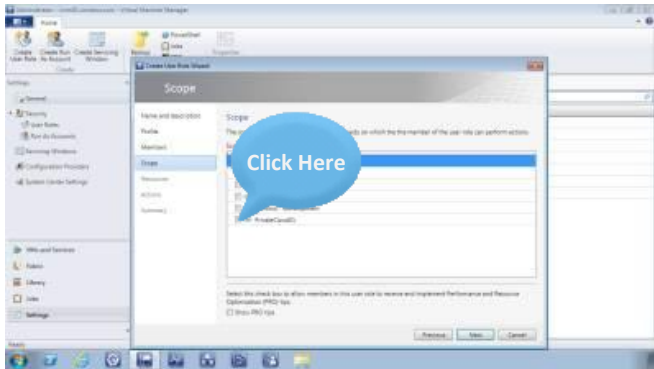

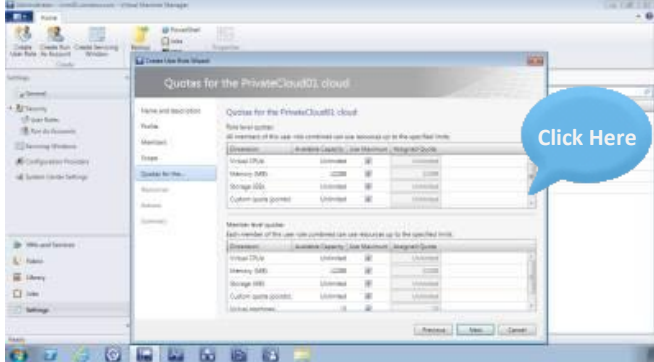
Demo Script: Lab 4 - Delegate Resources

		<p>machines.</p> <p>Technical note: Self-service role members can also grant access to logical and physical resources in the library and on their own user data paths, set quotas on virtual machines and computing resources, and specify whether PRO tips can be viewed and implemented.</p>
	<p>59. Click Add...</p>	<p>To add members to this role, follow the on-screen prompts.</p>
	<p>60. Click to enter an object name.</p>	

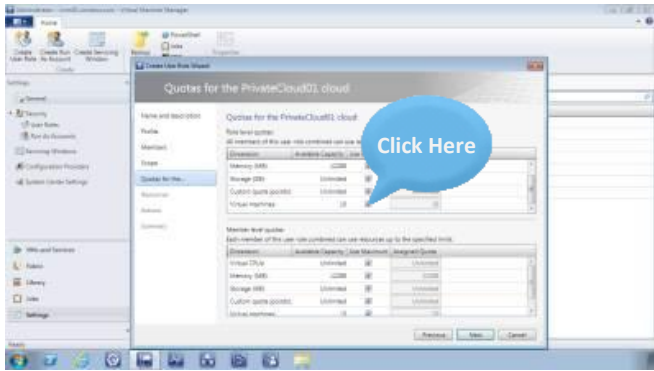
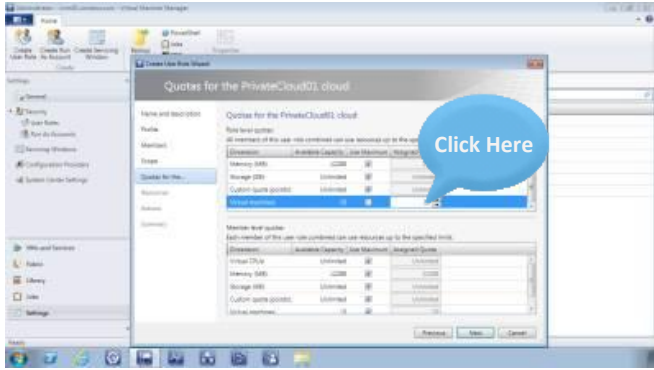
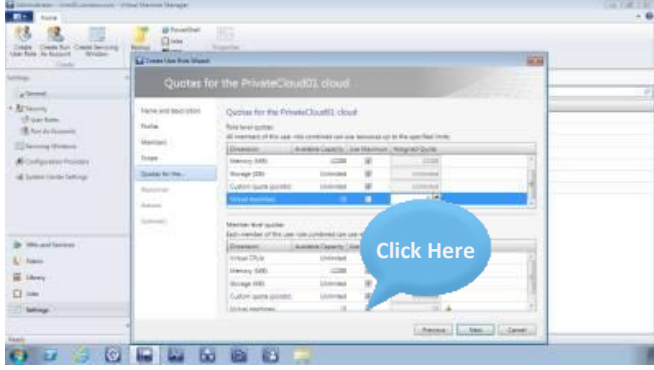
Demo Script: Lab 4 - Delegate Resources

	<p>61. Click Check Names.</p>	
	<p>62. Click OK.</p>	
	<p>63. Click Next.</p>	

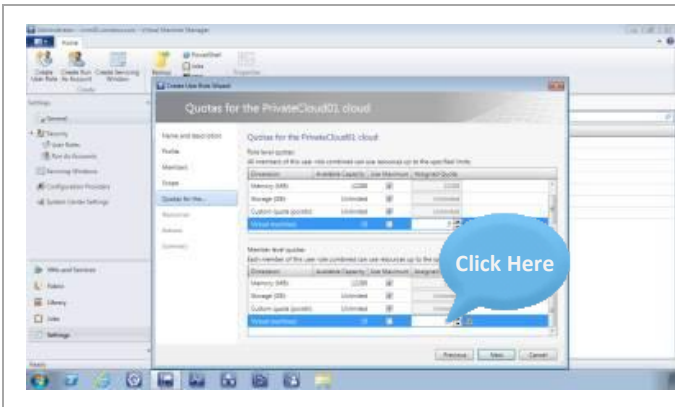
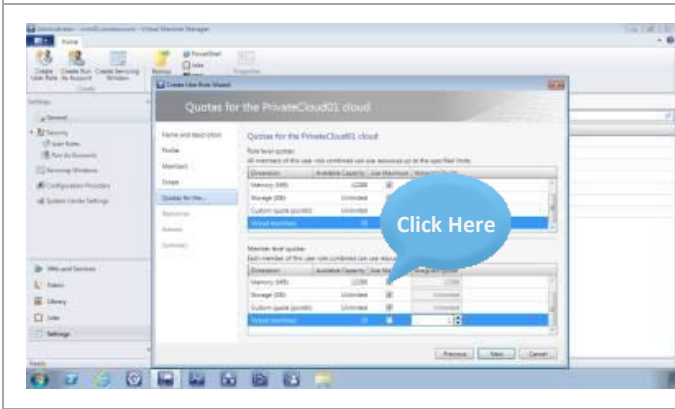
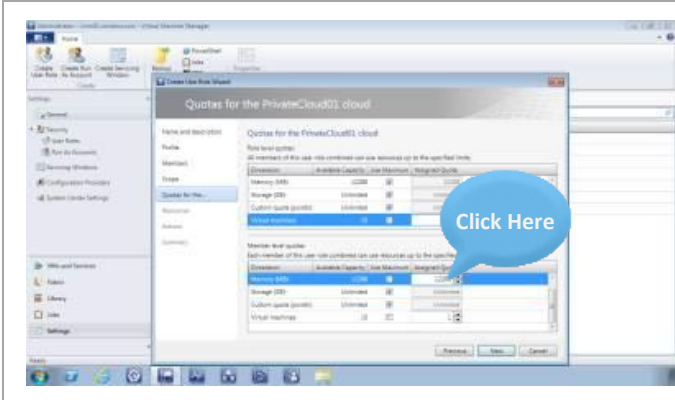
Demo Script: Lab 4 - Delegate Resources

	<p>64. Click the PrivateCloud01 check box.</p>	<p>Specify the scope of the user role.</p>
	<p>65. Click Next.</p>	
	<p>66. Scroll down.</p>	<p>Next, you need to modify the quotas for this role. Follow the on-screen prompts to continue.</p>

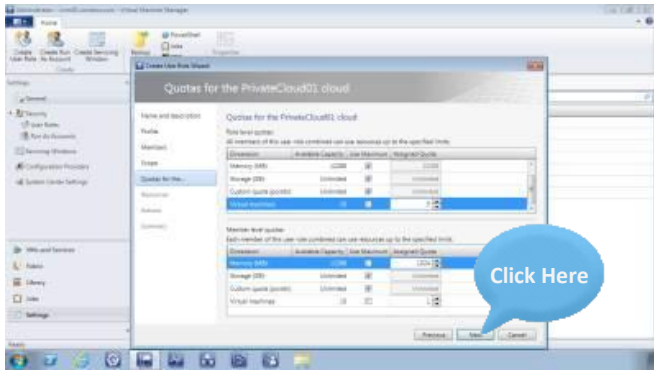
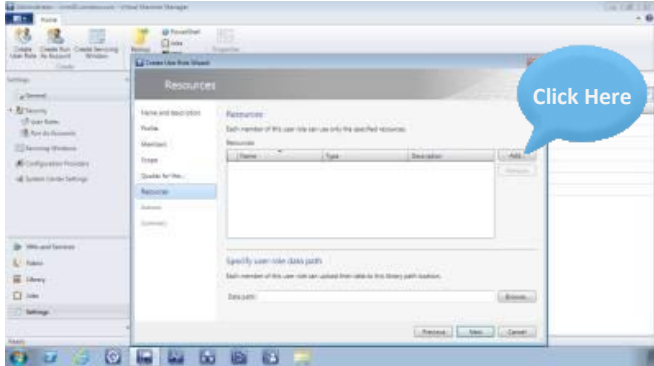
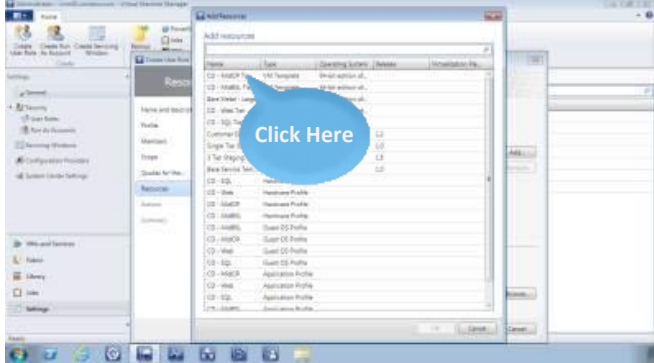
Demo Script: Lab 4 - Delegate Resources

	<p>67. Click to deselect the check box.</p>	
	<p>68. Click to enter 5.</p>	<p>Technical Note: The assigned quota for this setting determines the maximum number of virtual machines that can be created for <i>all combined users</i> logged on under this role.</p>
	<p>69. Click to deselect the check box.</p>	

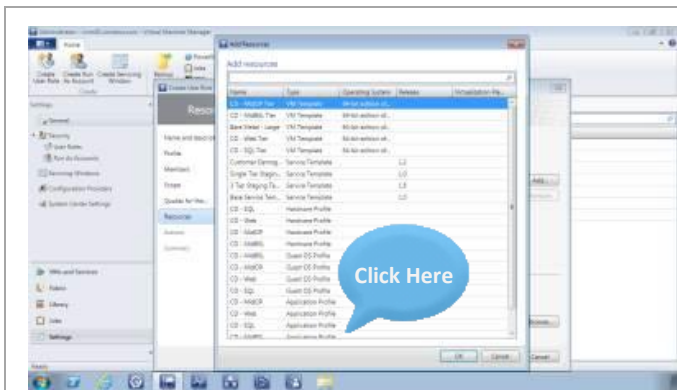
Demo Script: Lab 4 - Delegate Resources

	<p>70. Click to enter 1.</p>	<p>Technical Note: The assigned quota for this setting determines the maximum number of virtual machines that can be created for any <i>individual user</i> logged on under this role.</p>
	<p>71. Click to deselect the check box.</p>	
	<p>72. Click to enter 1024.</p>	

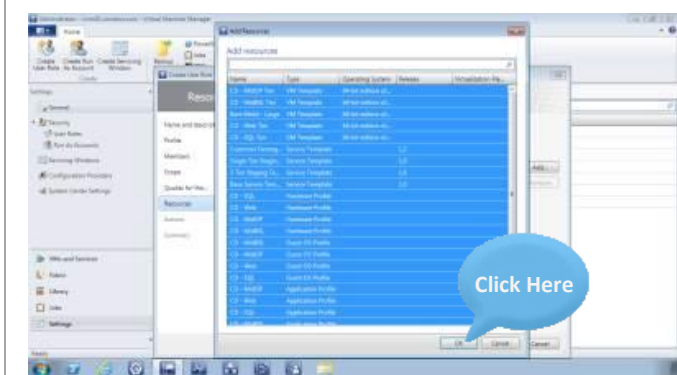
Demo Script: Lab 4 - Delegate Resources

	<p>73. Click Next.</p>	
	<p>74. Click Add...</p>	<p>Next, you'll specify the resources available to this user role.</p>
	<p>75. Click the first resource.</p>	

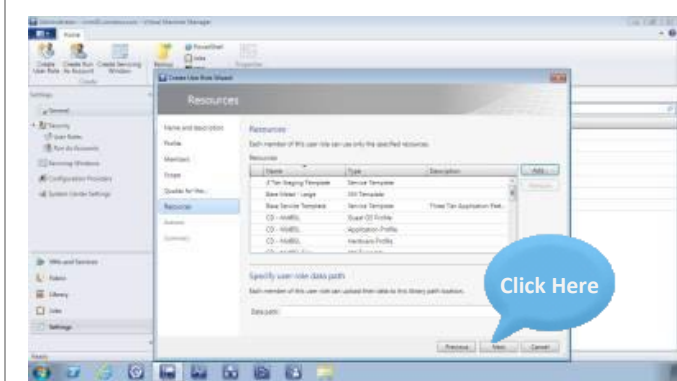
Demo Script: Lab 4 - Delegate Resources



76. Click anywhere to simulate pressing **CTRL+ A** on your keyboard to select all the records.

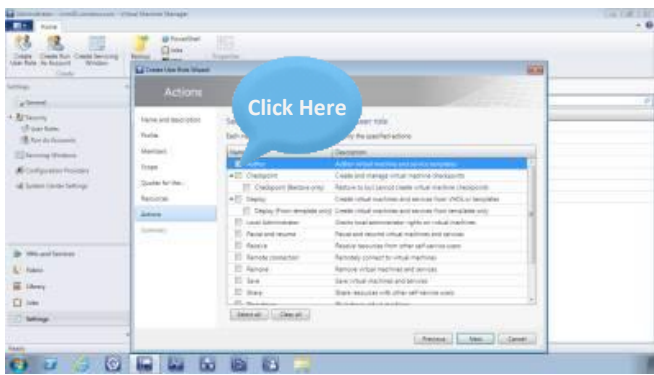
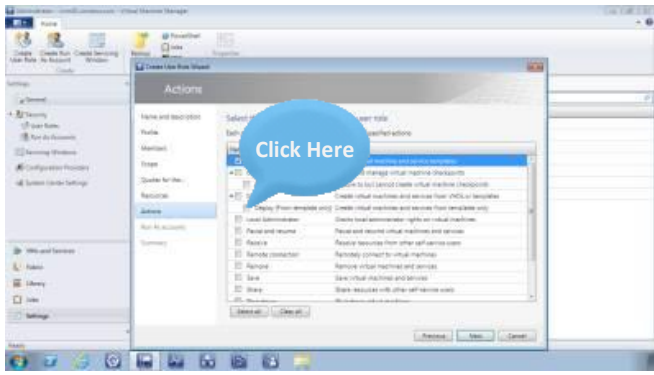
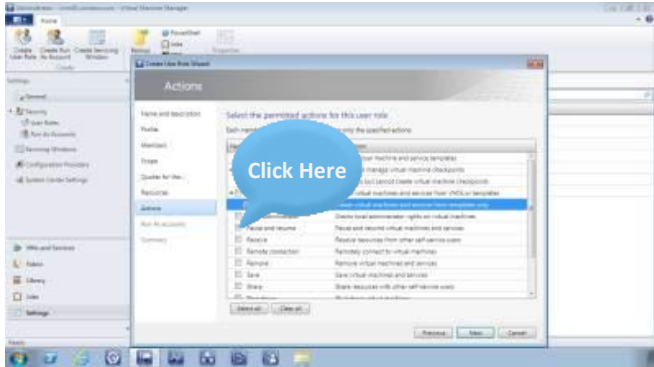


77. Click **OK**.

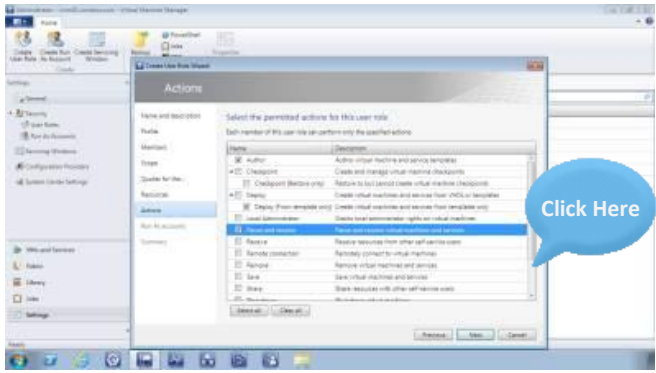
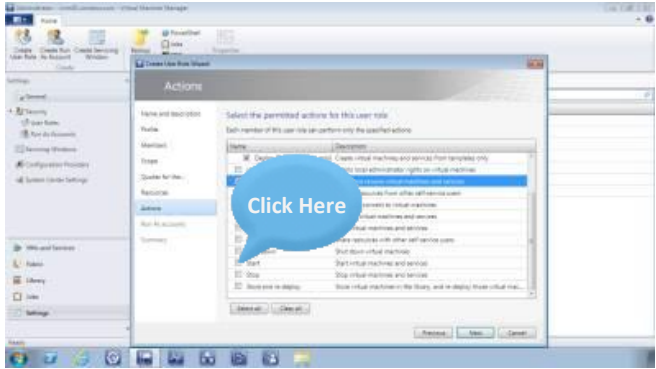
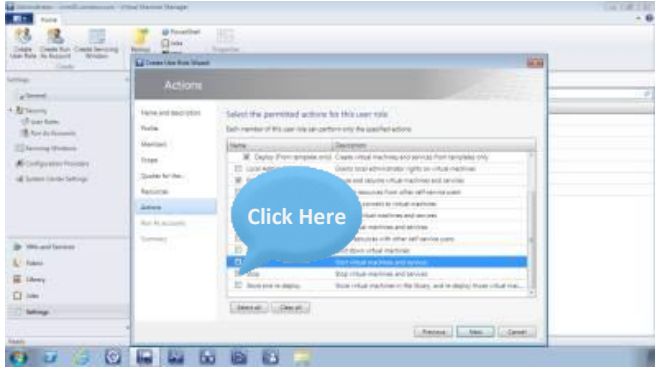


78. Click **Next**.

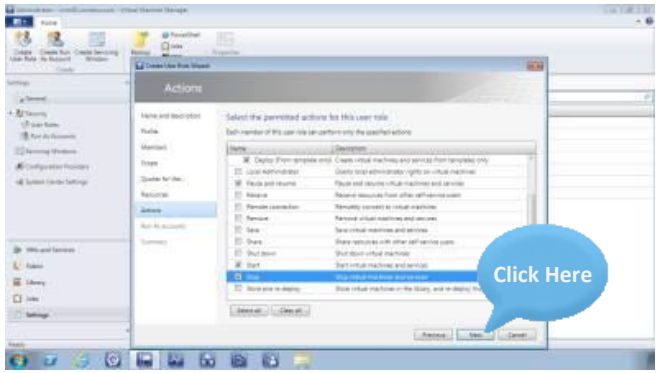
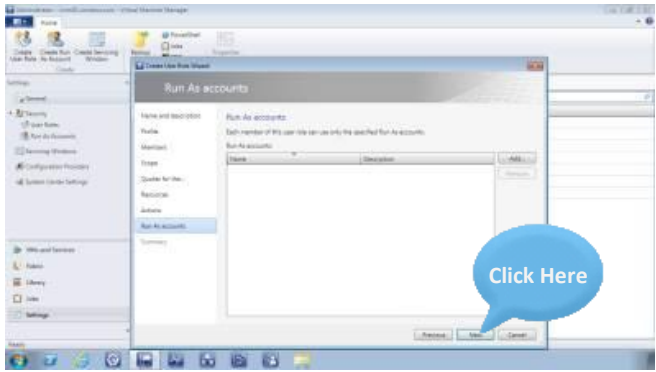
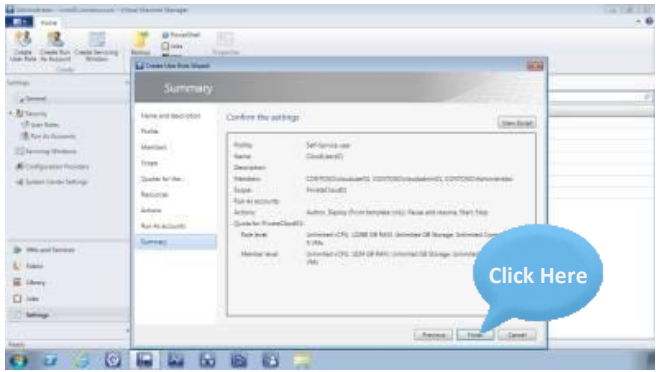
Demo Script: Lab 4 - Delegate Resources

	<p>79. Click the first check box.</p>	<p>Now, you will configure the actions that this role can perform. Continue to follow the on-screen prompts.</p>
	<p>80. Click the Deploy (From template only) check box.</p>	
	<p>81. Click the Pause and resume check box.</p>	

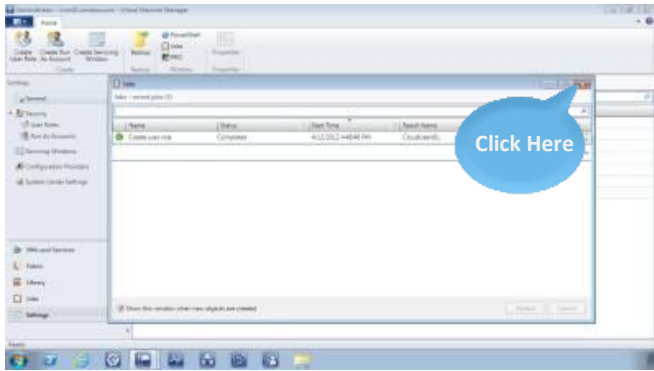
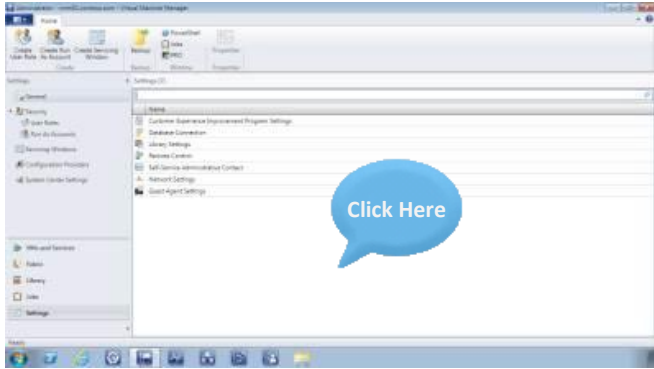
Demo Script: Lab 4 - Delegate Resources


	<p>82. Scroll down.</p>	
	<p>83. Click the Start check box.</p>	
	<p>84. Click the Stop check box.</p>	

Demo Script: Lab 4 - Delegate Resources

	<p>85. Click Next.</p>	
	<p>86. Click Next.</p>	
	<p>87. Click Finish.</p>	<p>Once you have confirmed your settings, complete the wizard to create the user role and configure access.</p>

Demo Script: Lab 4 - Delegate Resources

	<p>88. Click Close.</p>	
	<p>89.</p>	<p>In this brief guided lab, you saw a representative example of how Microsoft System Center 2012 – Virtual Machine Manager makes it easy to create and assign cloud resources to the users who need them, and to delegate user roles with quotas and limited access to specific resources.</p>

Conclusion	Click Instructions	Talking Points
 <p>Series Progression</p> <p>1. Promote Resources Through Self-Service Requests</p> <p>2. Create Consistent Service Delivery</p> <p>3. Add Additional Infrastructure to Accommodate Resource Needs</p> <p>4. Delegate Cloud Resources to Help Ensure Proper Access</p> <p>5. Create Consistency Through Service Templates</p> <p>6. Perform a Standardized Application Deployment to Test</p> <p>7. Stage Application Requests</p> <p>8. Deploy an Application to a Production Environment</p> <p>9. Gain Insights and Visibility Through Reporting</p> <p>10. Monitor Health and Performance</p> <p>11. Take Corrective Actions in the Event of Infrastructure Issues</p> <p>12. Perform Mean Time to Resolution with Alerts</p> <p>13. Deploy an Update to a Service Instance</p> <p>14. Perform Consistent Updates</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 “Delegate Cloud Resources to Help Ensure Proper Access.” 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 survey.</p> <p>Download Microsoft Private Cloud software here.</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>