

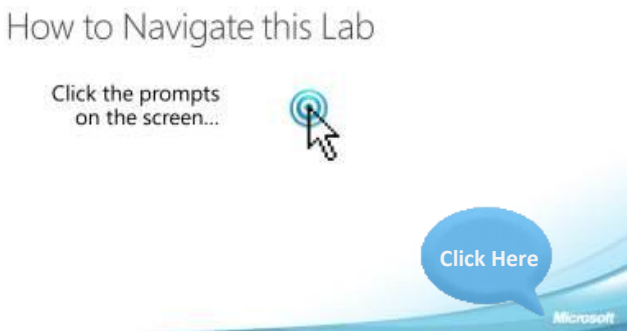




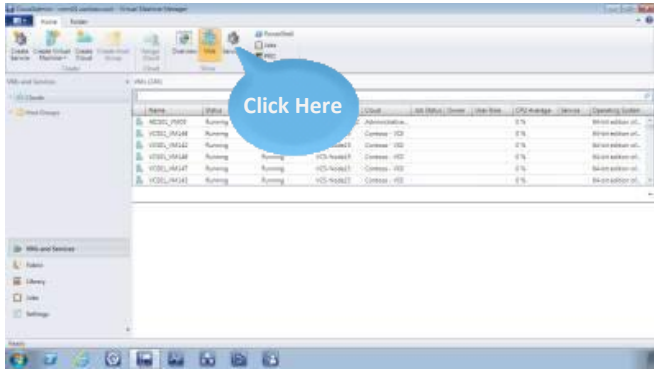
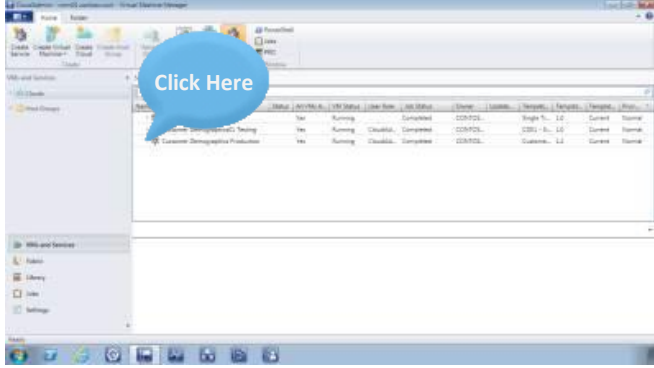
| Introduction | Click Instructions | Talking Points |
|--|--------------------|---|
|  | <p>1.</p> | <p>Welcome to this guided lab on how to “Deploy an Update to a Service Instance.”</p> |
|  | <p>2.</p> | <p>This guided lab is the thirteenth in the Microsoft® Private Cloud series. It is recommended 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 'Click Here' callout) through 'Service Models' to 'Service Delivery and Automation'. This process involves 'Configure/Deploy' and 'Monitor/Operate' steps, supported by 'System Center' and 'Windows Server'. The final output is a 'Virtual' environment, which can be either 'Public Cloud' or 'Private Cloud'. The diagram also highlights three main components: '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. |
|---|-----------|--|

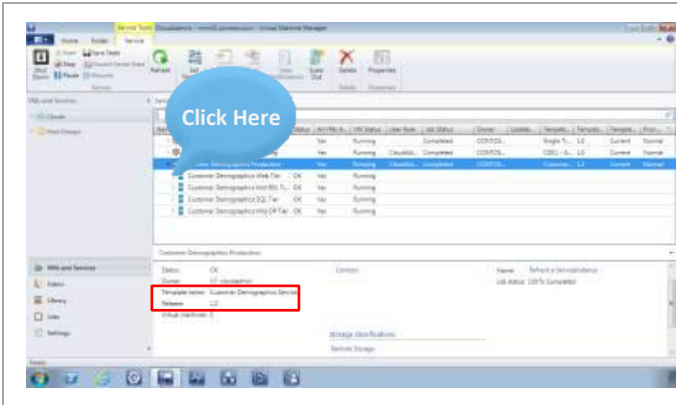
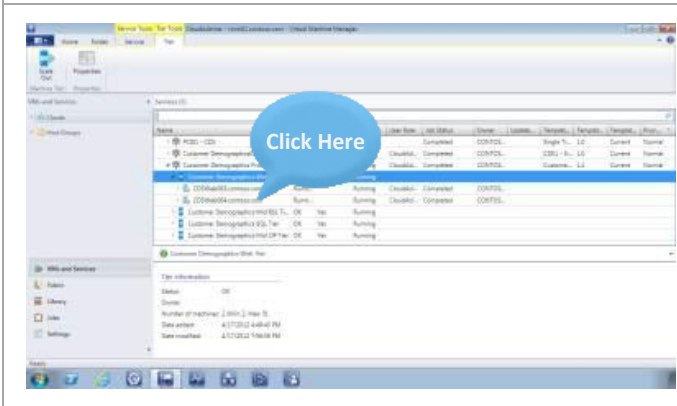
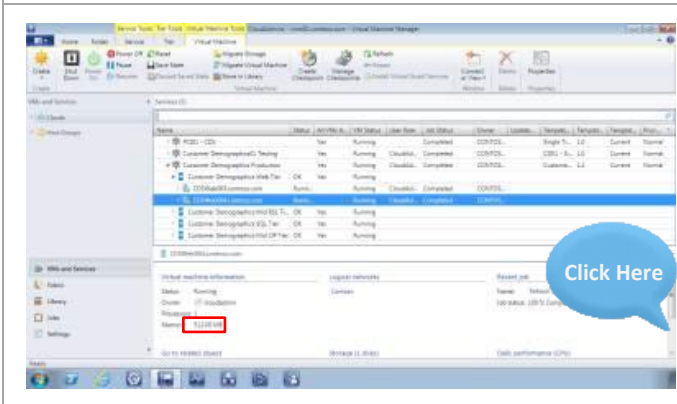
| How to Navigate | Click Instructions | Talking Points |
|--|--------------------|---|
|  | <p>1.</p> | <p>To navigate this guided lab, either click the prompts indicated on the screen, or use your forward and back arrow keys to navigate through the steps.</p> <p>You can also access the control bar 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 13 - Deploy Update to Instance

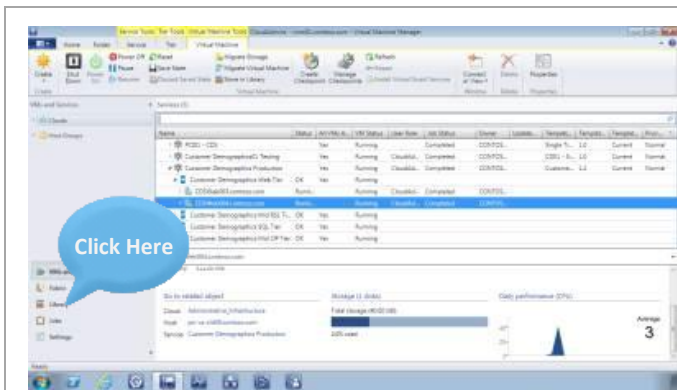
| Learning Objective | Click Instructions | Talking Points |
|--|--|--|
| <p>Learning Objective</p> <p>In this guided lab, you will learn how you can use System Center 2012 - Virtual Machine Manager to modify a service template, and then apply the updated template to a running service.</p>  | <ol style="list-style-type: none">1. | <p>In this guided lab, you will learn how you can use System Center 2012 - Virtual Machine Manager to modify a service template, and then apply the updated template to a running service.</p> |

| Modify Service Template | Click Instructions | Talking Points |
|--|--|---|
|  | <ol style="list-style-type: none"> 1. Click Services. | <p>First, you will use Virtual Machine Manager to view a running service. To get started, follow the on-screen prompts.</p> <p>Technical Note: Virtual Machine Manager (VMM) delivers complete support for consolidating multiple physical servers within a virtual infrastructure. VMM makes it simple for administrators and authorized users to rapidly provision virtual machines, and for administrators to manage all elements of a virtual infrastructure, including load balancers, storage, and networks.</p> |
|  | <ol style="list-style-type: none"> 2. Expand Customer Demographics Production. | |

Demo Script: Lab 13 - Deploy Update to Instance

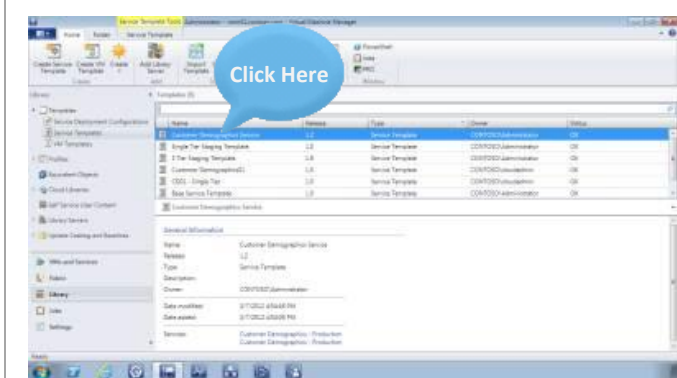
| | | |
|--|---|--|
|  | <p>3. Expand Customer Demographics Web Tier.</p> | <p>You can see the service template and release number that this service is running. Service templates specify configuration options to help automate interdependencies between application tiers and standardize deployments.</p> |
|  | <p>4. Select CDSWeb004.contoso.com.</p> | |
|  | <p>5. Scroll down.</p> | <p>Drilling down to the virtual machine layer, you can see the resource allocation and other configuration settings for the virtual machines running this service.</p> |

Demo Script: Lab 13 - Deploy Update to Instance



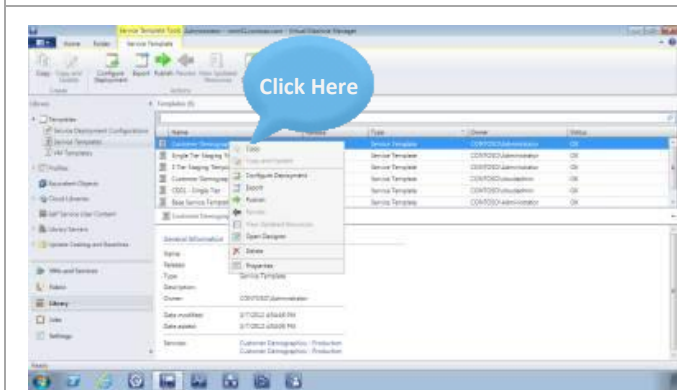
6. Click **Library**.

Now, you will modify the underlying service template to increase virtual machine resource allocation and update other configuration settings. To continue, follow the prompts on the screen.



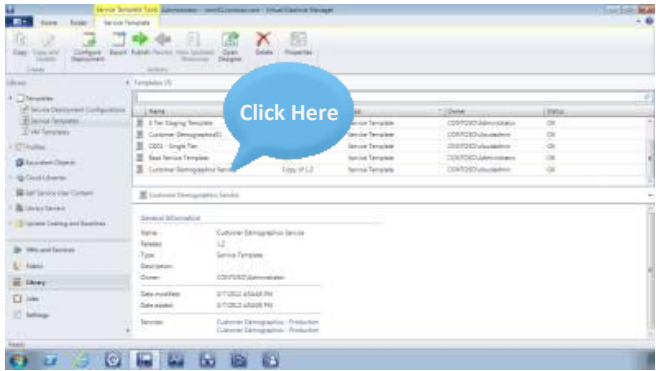
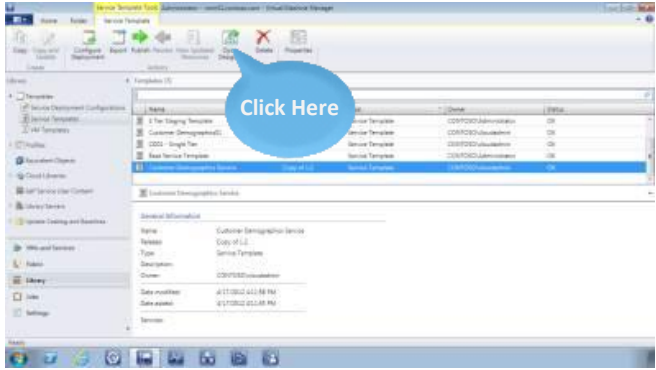
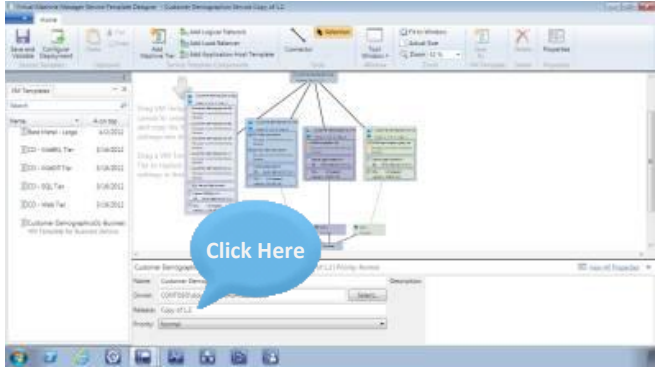
7. Click to simulate right-clicking **Customer Demographics Service**.

First, create a copy of the service template used in the service you just viewed.

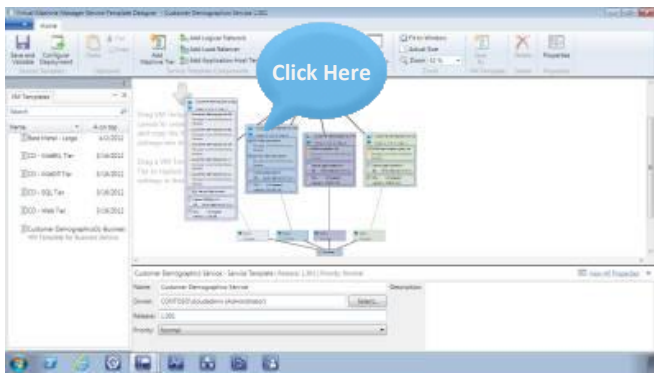
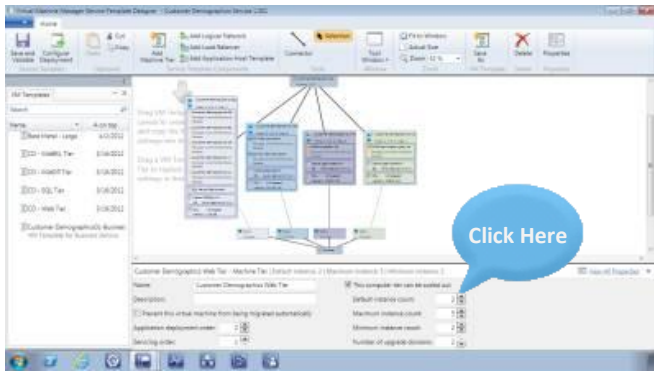
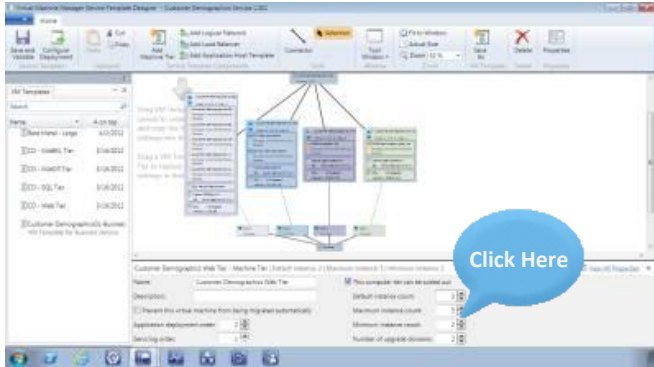


8. Select **Copy**.

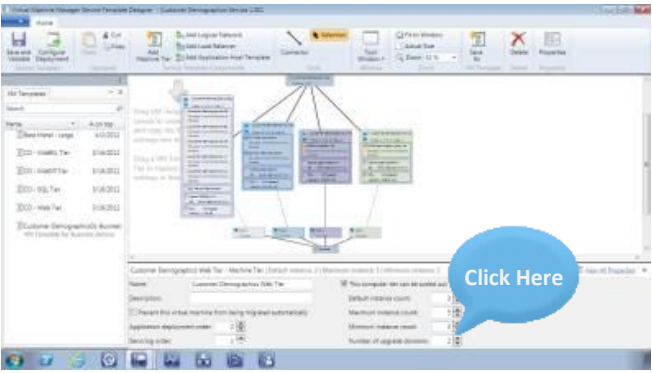
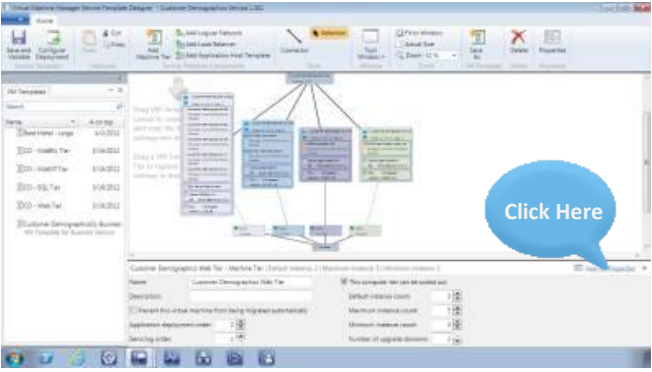
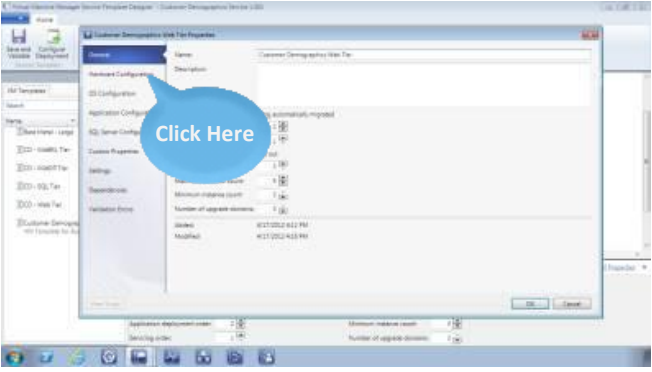
Demo Script: Lab 13 - Deploy Update to Instance

| | | |
|---|--|--|
|  | <p>9. Select Customer Demographics Service (Copy of 1.2).</p> | |
|  | <p>10. Click Open Designer.</p> | <p>Update the service template using the Service Template Designer in Virtual Machine Manager.</p> |
|  | <p>11. Click to enter a release value.</p> | <p>First, change the service template release number to create an updated version.</p> |

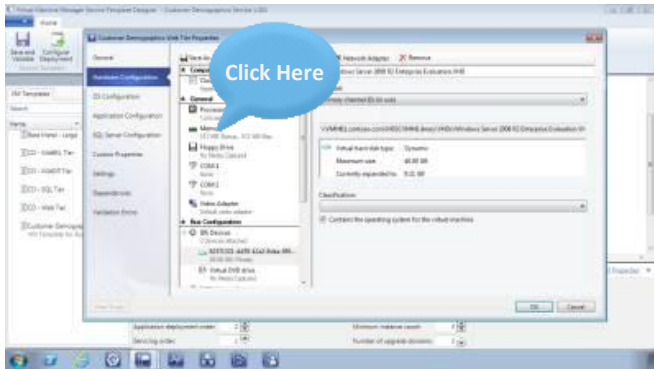
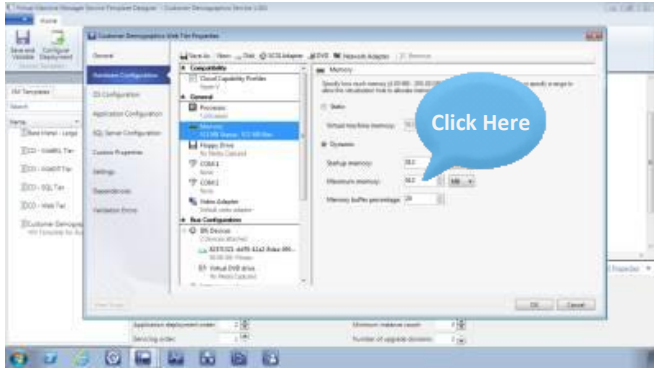
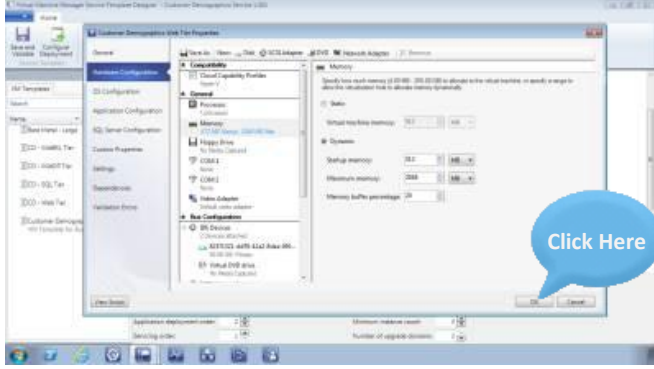
Demo Script: Lab 13 - Deploy Update to Instance

| | | |
|---|---|---|
|  | <p>12. Click the tier.</p> | |
|  | <p>13. Click to increase the value.</p> | <p>In the web tier, increase the number of virtual machine instances to allow for higher availability and greater support for load balancing.</p> |
|  | <p>14. Click to increase the value.</p> | |


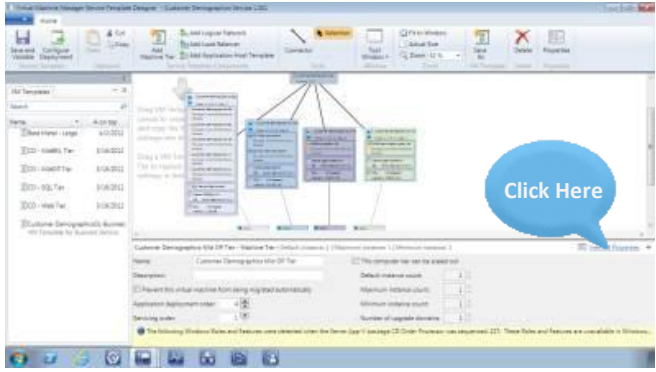
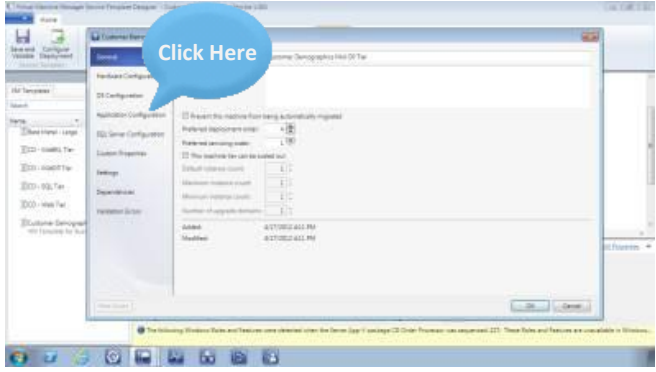
Demo Script: Lab 13 - Deploy Update to Instance

| | | |
|---|---|---|
|  | <p>15. Click to increase the value.</p> | |
|  | <p>16. Click View All Properties.</p> | |
|  | <p>17. Click Hardware Configuration.</p> | <p>You can make changes to the virtual machine configuration, the installed application, or the virtual hard drive.</p> |

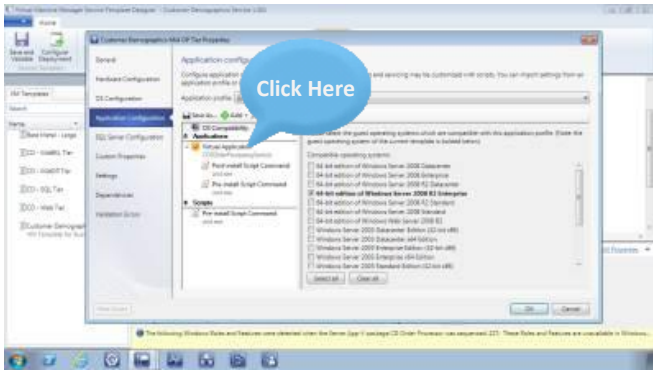
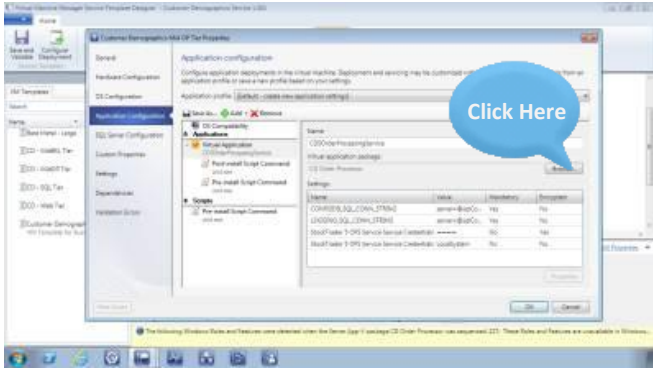
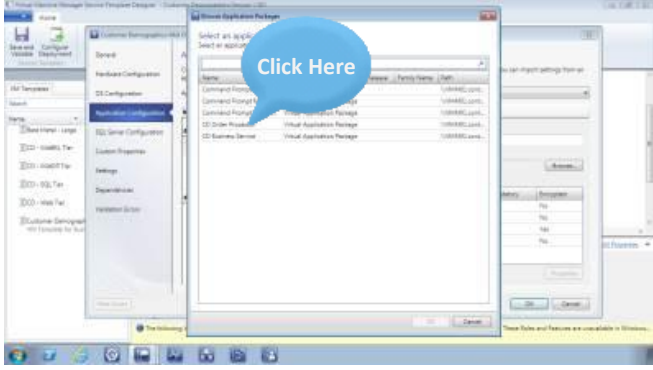
Demo Script: Lab 13 - Deploy Update to Instance

| | | |
|---|------------------------------------|--|
|  | <p>18. Click Memory.</p> | |
|  | <p>19. Click to enter a value.</p> | <p>Increase the maximum amount of memory to allow the virtual machine host to allocate memory dynamically.</p> |
|  | <p>20. Click OK.</p> | |

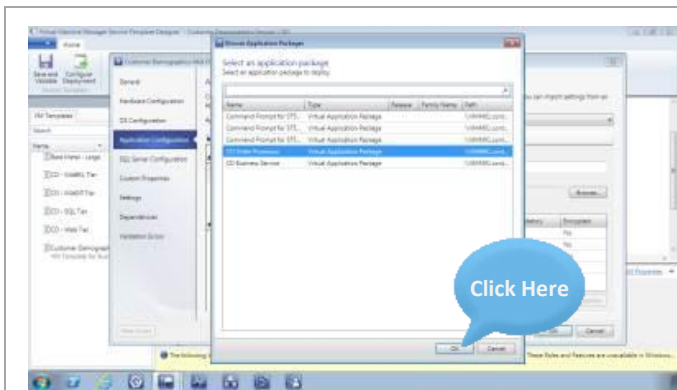
Demo Script: Lab 13 - Deploy Update to Instance

| | | |
|---|--|--|
|  | <p>21. Click the tier.</p> | <p>Now, select the order-processing tier and update the virtual application package.</p> |
|  | <p>22. Click View All Properties.</p> | |
|  | <p>23. Click Application Configuration.</p> | |

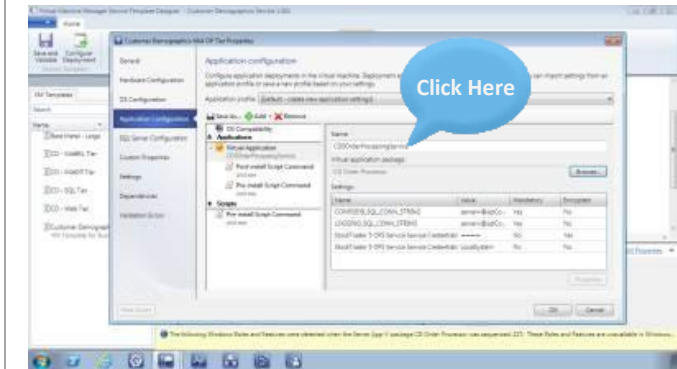
Demo Script: Lab 13 - Deploy Update to Instance

| | | |
|---|--|--|
|  | <p>24. Click Virtual Application.</p> | |
|  | <p>25. Click Browse...</p> | |
|  | <p>26. Select CD Order Processor.</p> | |

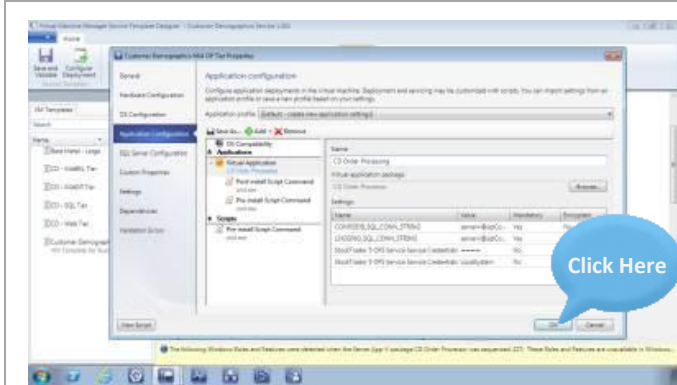
Demo Script: Lab 13 - Deploy Update to Instance



27. Click **OK**.

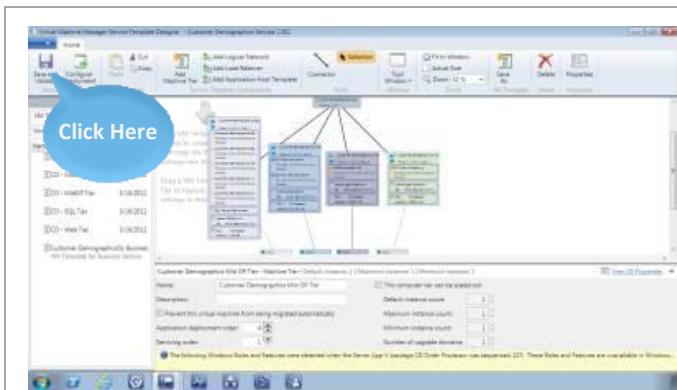


28. Click to enter a name.



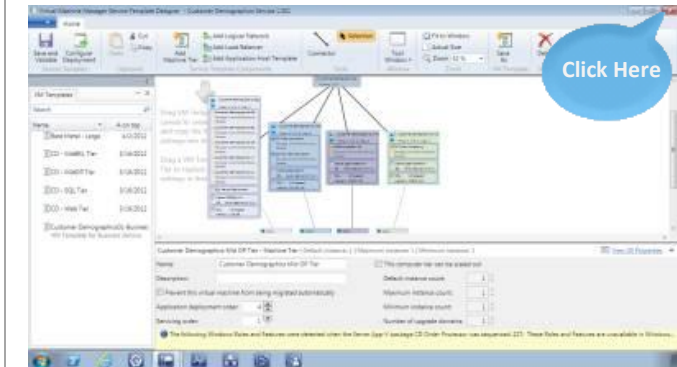
29. Click **OK**.

Demo Script: Lab 13 - Deploy Update to Instance

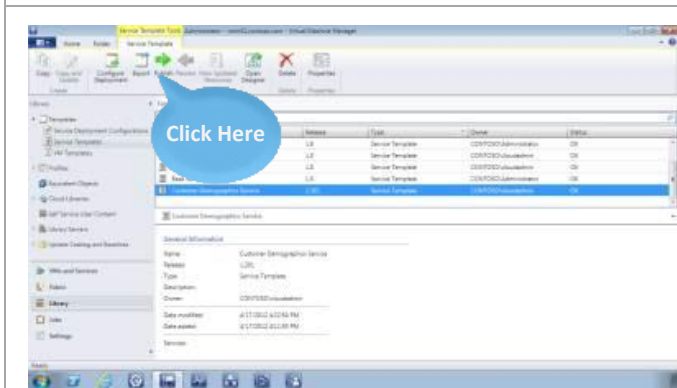


30. Click **Save and Validate**.

Now that you have successfully modified the service template, save and validate your changes, and then publish the updated service template to the Virtual Machine Manager library.

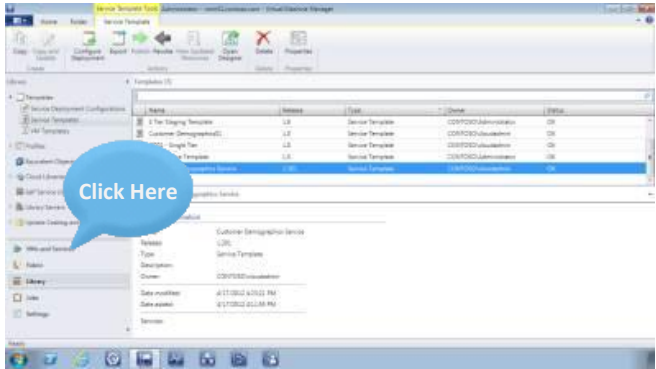
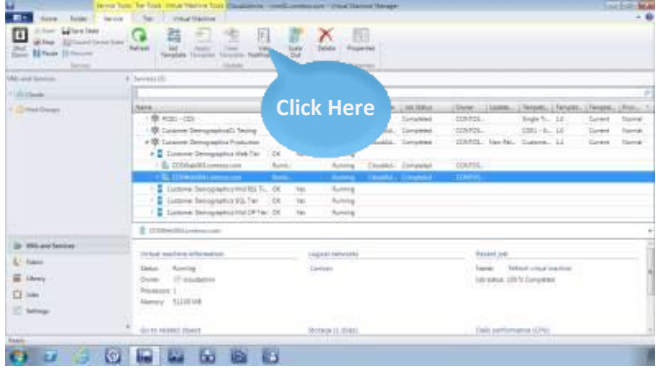


31. Click **Close**.

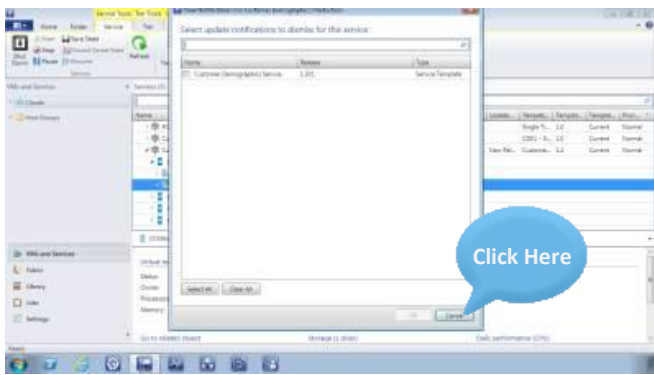
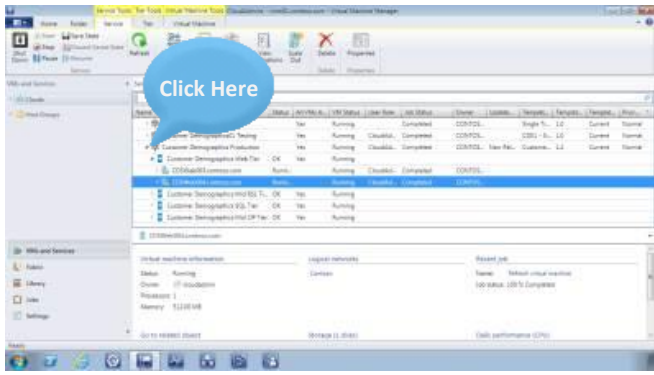
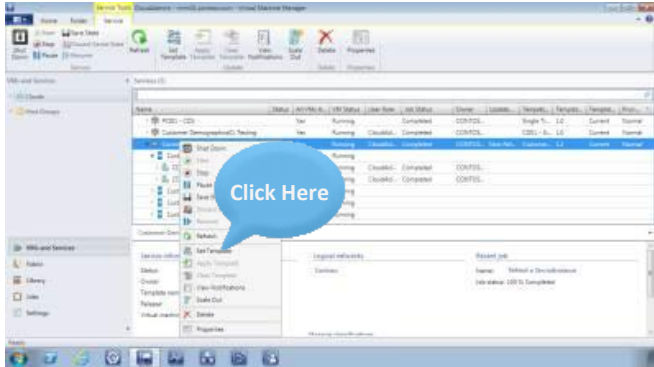


32. Click **Publish**.

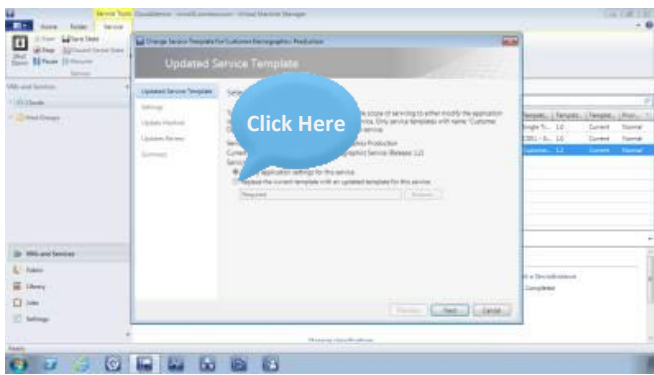
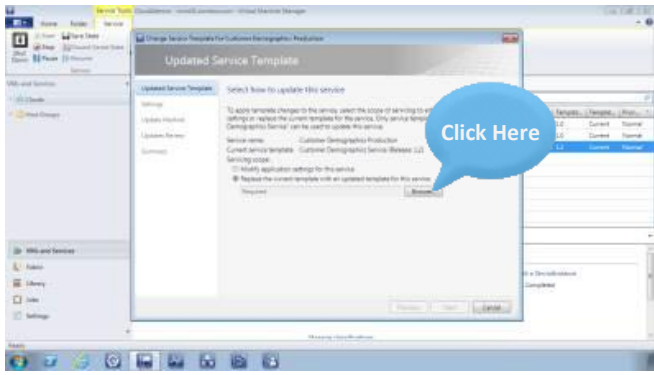
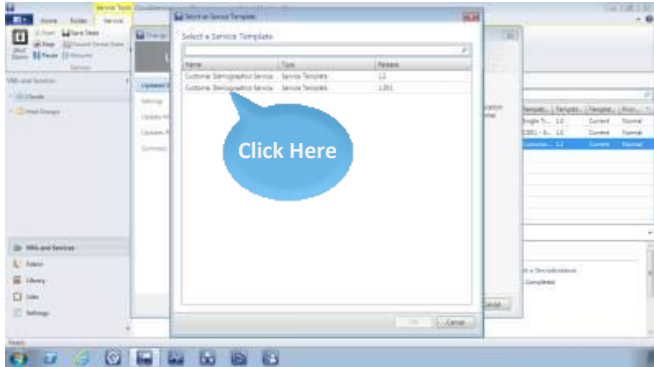
Demo Script: Lab 13 - Deploy Update to Instance

| Apply Updated Template to Service | Click Instructions | Talking Points |
|--|---|---|
|  | <ol style="list-style-type: none"> 1. Click VMs and Services. | <p>Next, you will apply the updated service template to the running service you viewed previously. To continue, follow the on-screen prompts.</p> |
|  | <ol style="list-style-type: none"> 2. Click View Notifications. | <p>Notifications let you know when a specific service instance has an update available.</p> |

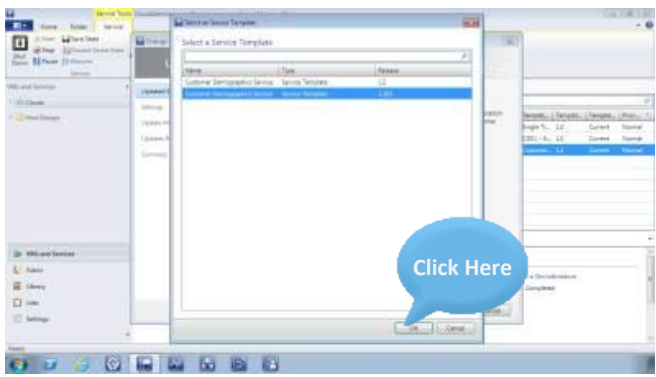
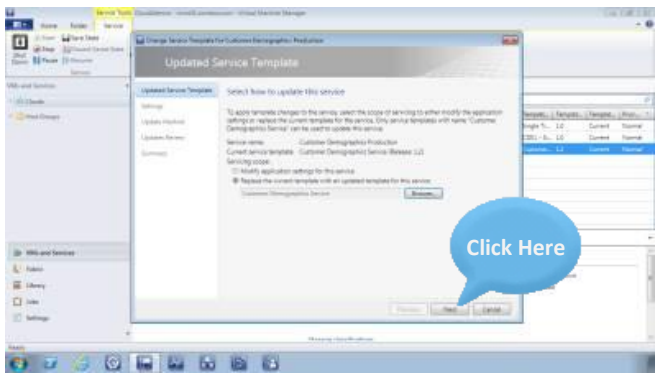
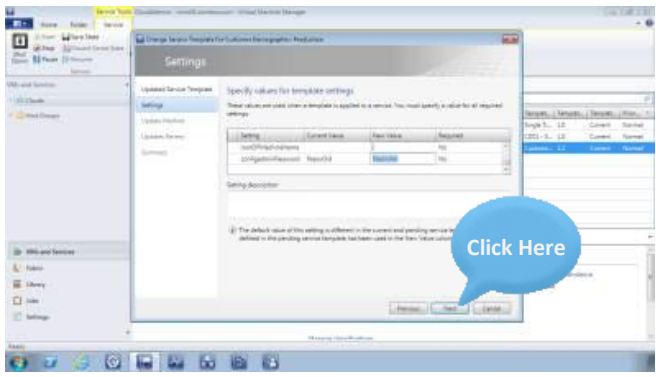
Demo Script: Lab 13 - Deploy Update to Instance

| | | |
|---|---|---|
|  | <p>3. Click Cancel.</p> | |
|  | <p>4. Click to simulate right-clicking Customer Demographics Production.</p> | <p>Select the service to update and follow the prompts to replace the service template with the new release you just created.</p> |
|  | <p>5. Select Set Template.</p> | |

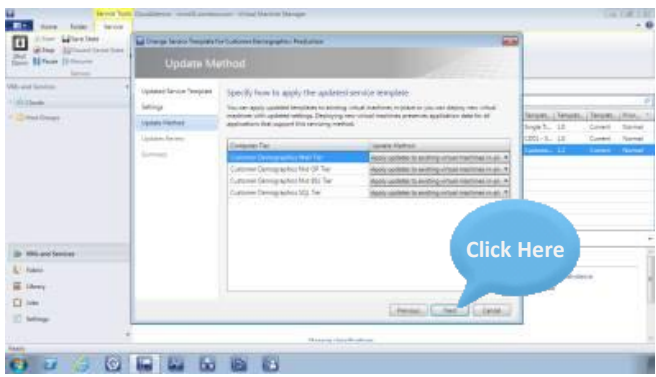
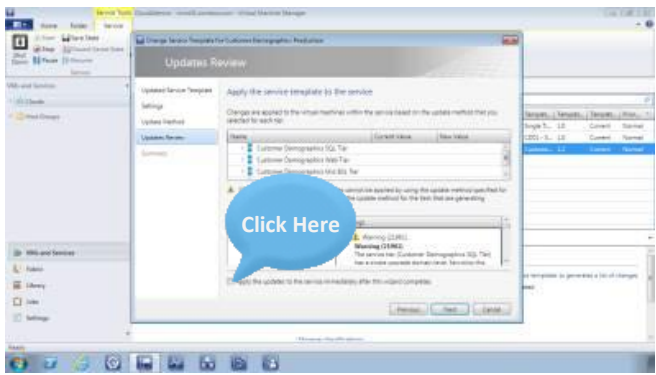
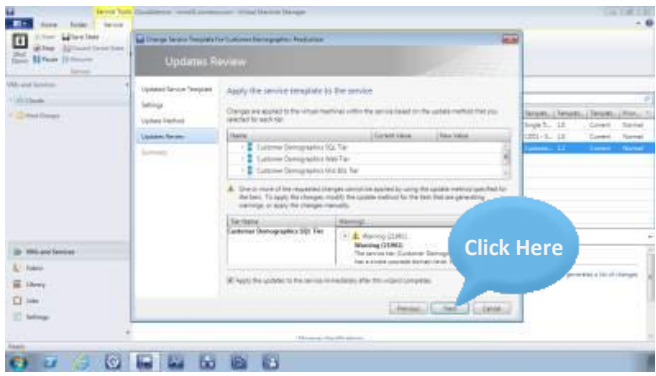
Demo Script: Lab 13 - Deploy Update to Instance

| | | |
|---|--|--|
|  | <p>6. Click to select the Replace the current template... option.</p> | |
|  | <p>7. Click Browse...</p> | |
|  | <p>8. Select Customer Demographics Service.</p> | |

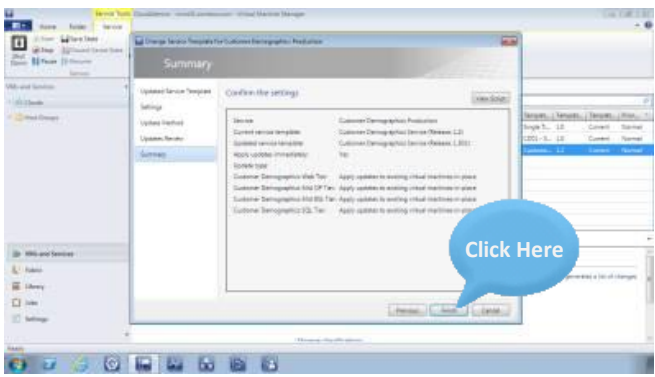

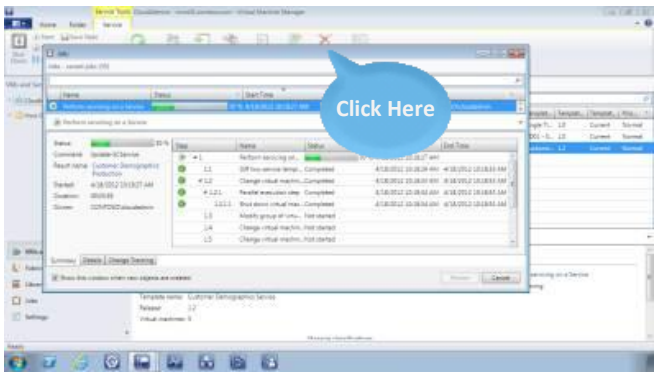
Demo Script: Lab 13 - Deploy Update to Instance

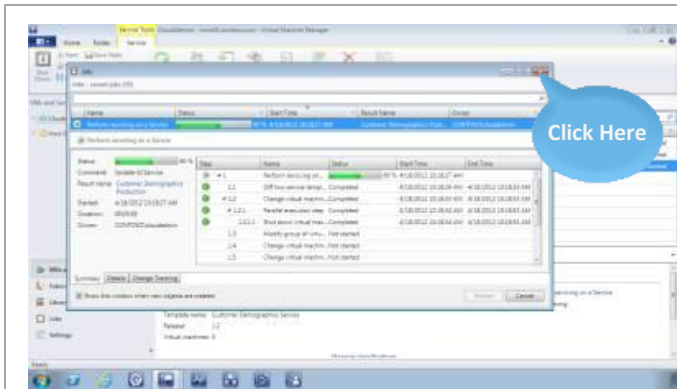
| | | |
|---|-------------------------------|--|
|  | <p>9. Click OK.</p> | |
|  | <p>10. Click Next.</p> | |
|  | <p>11. Click Next.</p> | |

Demo Script: Lab 13 - Deploy Update to Instance

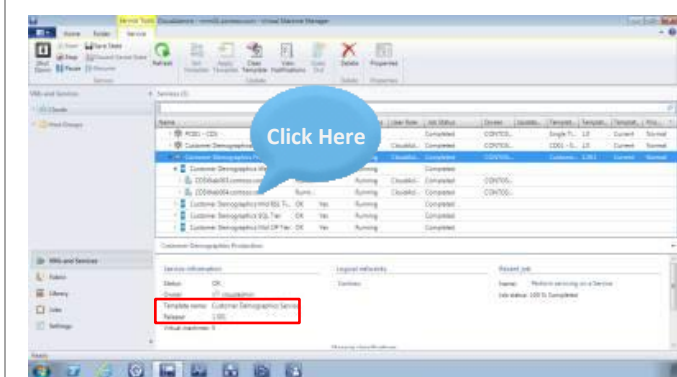
| | | |
|---|---|--|
|  | <p>12. Click Next.</p> | |
|  | <p>13. Click the Apply the updates... check box.</p> | |
|  | <p>14. Click Next.</p> | |

Demo Script: Lab 13 - Deploy Update to Instance

| | | |
|---|---------------------------------|---|
|  | <p>15. Click Finish.</p> | <p>Confirm your settings and complete the process to apply the updated template to the running service.</p> |
|  | <p>16.</p> | |
|  | <p>17.</p> | |

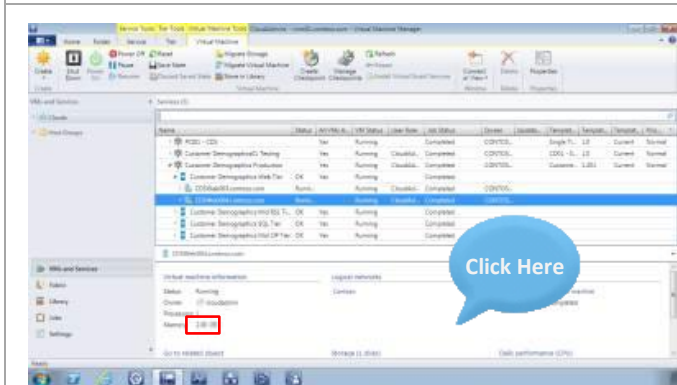


18. Click **Close**.



19. Select **CDSWeb004.contoso.com**.

Notice that the service is now using the newest release of the service template that you modified previously.


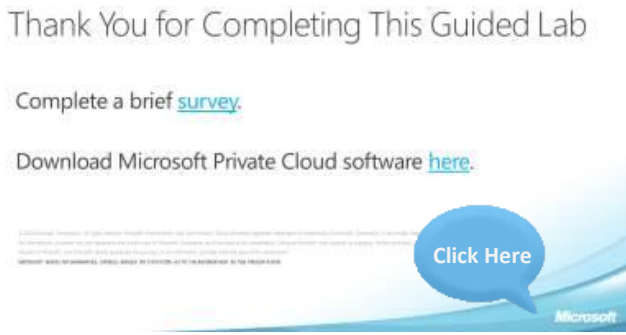


20.

You can also see that the increase in virtual machine resource allocation has been applied successfully.

In this guided lab, you saw a brief, representative example of how System Center 2012 - Virtual Machine Manager provides a simpler, more standardized approach to application servicing while maintaining availability, even when you need to apply major changes.

Demo Script: Lab 13 - Deploy Update to Instance

| Completion | Click Instructions | Talking Points |
|--|--------------------|---|
|  <p>Series Progression</p> <p>1. Provision 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 Web Service Provider Access</p> <p>5. Create Consistency Through Service Template</p> <p>6. Perform a Standardized Application Deployment to Test</p> <p>7. Stage Application Resources</p> <p>8. Deploy an Application to a Production Environment</p> <p>9. Scale Up and Verify Through Self-Service</p> <p>10. Monitor Performance and Infrastructure</p> <p>11. Take Corrective Actions in the Cloud and Infrastructure</p> <p>12. Perform Mean Time to Resolution with API</p> <p>13. Deploy an Update to a Service Instance</p> <p>14. Perform Cleanup and Release</p> <p>APPLICATION MANAGEMENT SERVICE DELIVERY AND AUTOMATION INFRASTRUCTURE MANAGEMENT</p> <p>Microsoft</p> | <p>1.</p> | <p>You have successfully completed the guided lab on how to “Deploy an Update to a Service Instance.” 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> |