

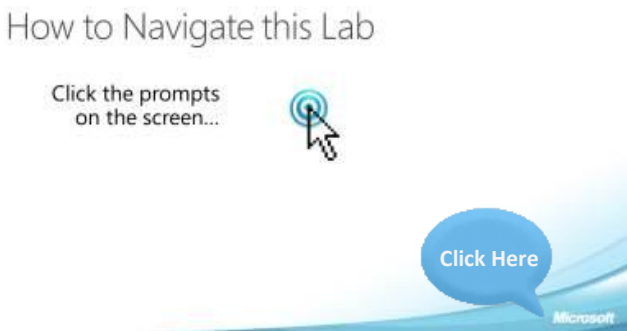




Introduction	Click Instructions	Talking Points
	<p>1.</p>	<p>Welcome to this guided lab on how to “Monitor Fabric and Infrastructure.”</p>
	<p>2.</p>	<p>This guided lab is the tenth in the Microsoft® Private Cloud series. It is recommended that the 14 labs in this series be taken in order, to best understand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

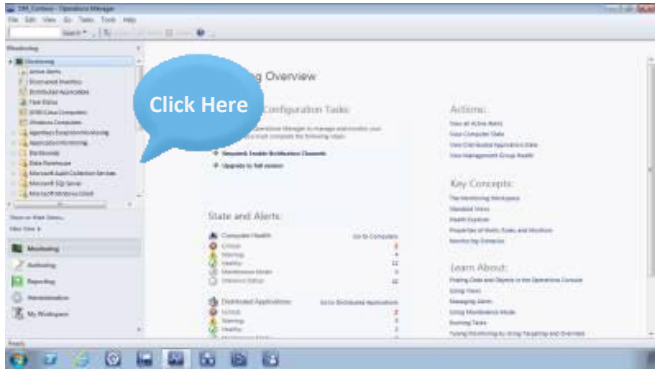

 <p>The diagram illustrates the Microsoft Private Cloud architecture. It shows a flow from 'Self-Service' (with a 'Click Here' callout) through 'Service Models' to 'Service Delivery and Automation'. This process involves 'Configure/Deploy' and 'Monitor/Operate' phases, supported by 'System Center' and 'Windows Server'. The architecture is layered over 'Public Cloud', 'Private Cloud', and 'Virtual' environments. A bottom bar categorizes the process into 'Application Management', 'Service Delivery and Automation', and 'Management'. The Microsoft logo is at the bottom right.</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>

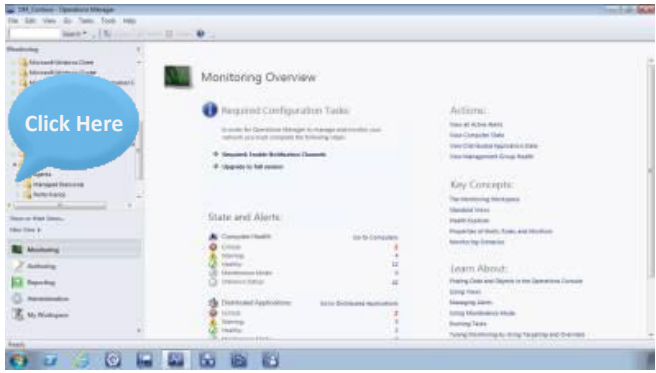

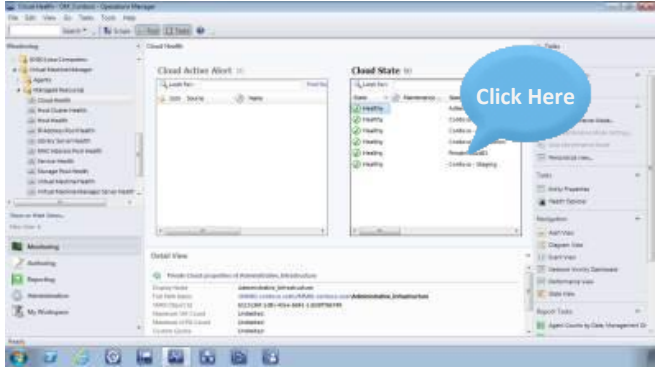
## Demo Script: Lab 10 - Monitor Infrastructure

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 - Operations Manager to view health and performance information about your virtual machines and network.</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 - Operations Manager to view health and performance information about your virtual machines and network.</p>

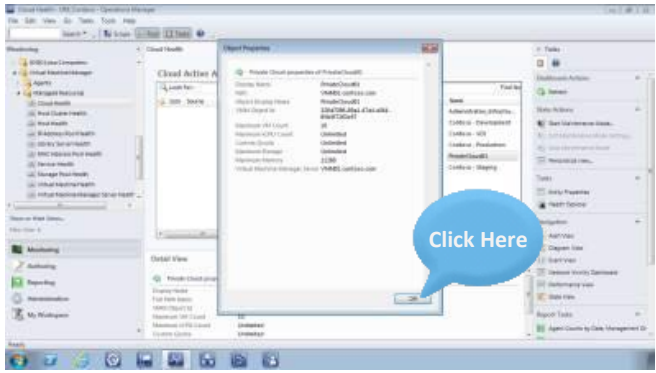
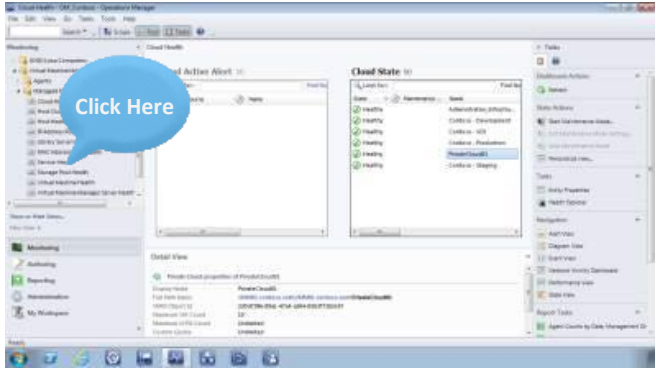
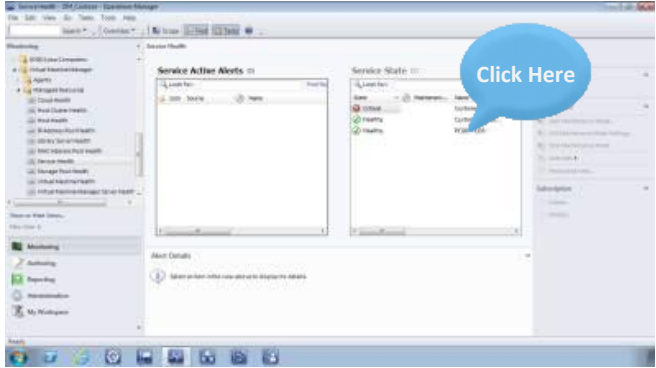
## Demo Script: Lab 10 - Monitor Infrastructure

Monitor Fabric and Infrastructure	Click Instructions	Talking Points
	<ol style="list-style-type: none"> <li>1. Scroll down.</li> </ol>	<p>First, you will use Operations Manager to monitor the health of your private cloud resources. As you will see, Operations Manager provides deep application diagnostics and infrastructure monitoring that can help you ensure the predictable performance and availability of vital applications. To get started, follow the prompts on the screen.</p>
	<ol style="list-style-type: none"> <li>2. Expand <b>Virtual Machine Manager</b>.</li> </ol>	<p>Navigate to your Virtual Machine Manager resources to view the Cloud Health dashboard.</p>

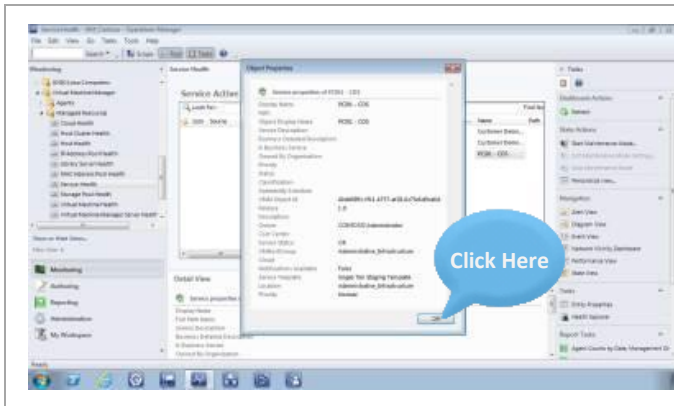
## Demo Script: Lab 10 - Monitor Infrastructure

	<p>3. Expand <b>Managed Resources</b>.</p>	
	<p>4. Click <b>Cloud Health</b>.</p>	
	<p>5. Select <b>PrivateCloud01</b>.</p>	<p>You can see the status of all the private clouds you're monitoring, along with any active alerts, and select a specific cloud to see its properties.</p>

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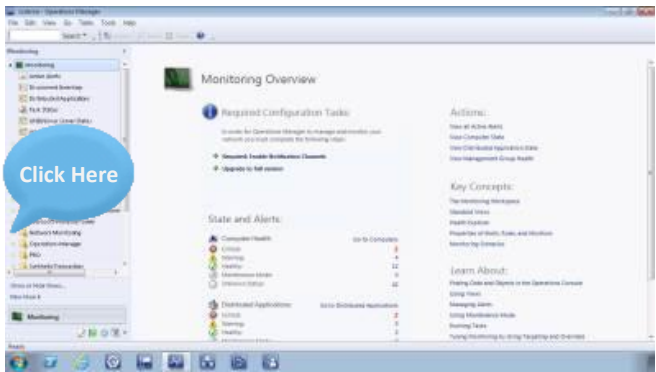
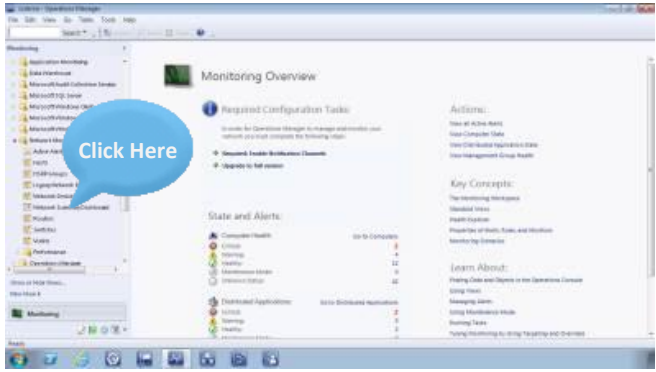
	<p>6. Click <b>OK</b>.</p>	
	<p>7. Click <b>Service Health</b>.</p>	<p>You can also view the status of the services that have been deployed across all clouds and view service properties.</p>
	<p>8. Click <b>PCI01 - CDS</b>.</p>	

## Demo Script: Lab 10 - Monitor Infrastructure

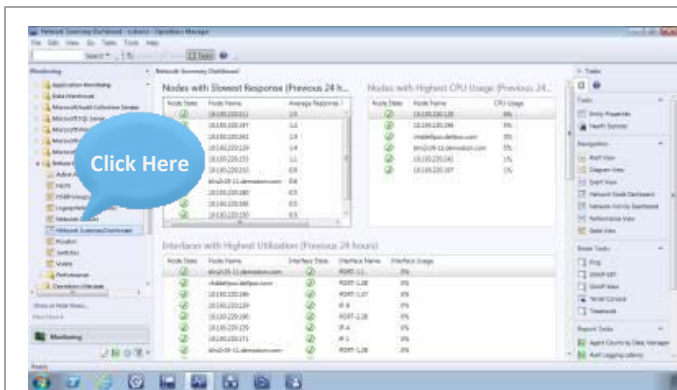


9. Click **OK**.



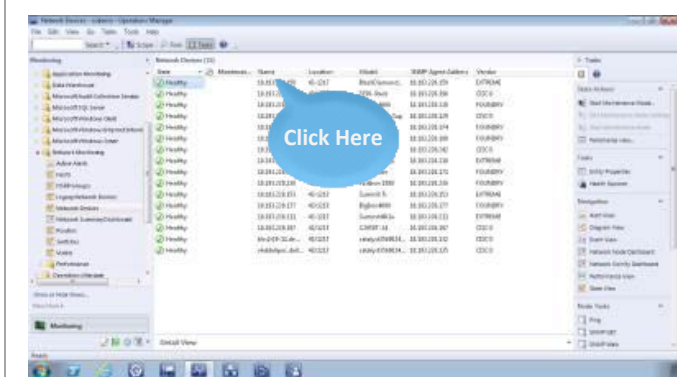
View Network Details	Click Instructions	Talking Points
	<ol style="list-style-type: none"> <li>1. Expand <b>Network Monitoring</b>.</li> </ol>	<p>Now, you will use Operations Manager to view network details. In addition to monitoring services, client computers, applications, and servers, Operations Manager now allows you to look at your underlying network topology. To get started, follow the on-screen prompts.</p>
	<ol style="list-style-type: none"> <li>2. Click <b>Network Summary Dashboard</b>.</li> </ol>	

## Demo Script: Lab 10 - Monitor Infrastructure



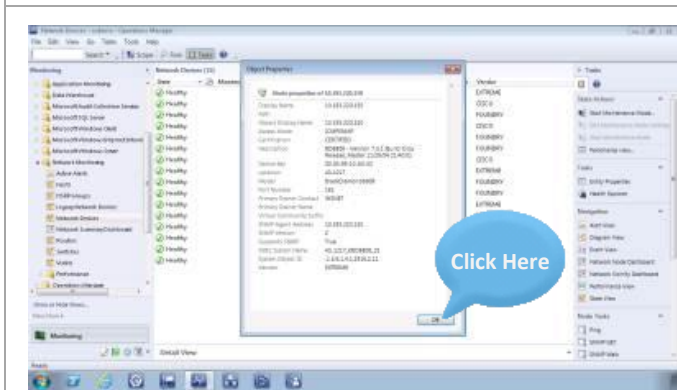
### 3. Click **Network Devices**.

The network summary dashboard provides a snapshot of network device performance, including CPU utilization, response time, and overall utilization. You can also customize dashboards to monitor other information that is important to you.



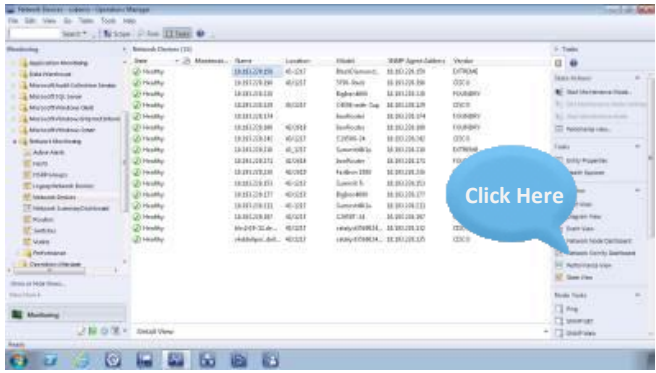
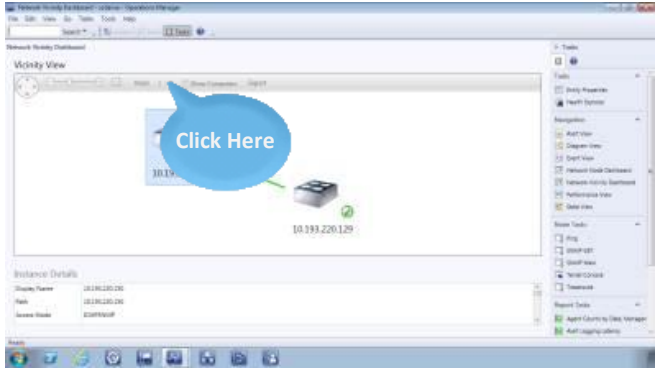
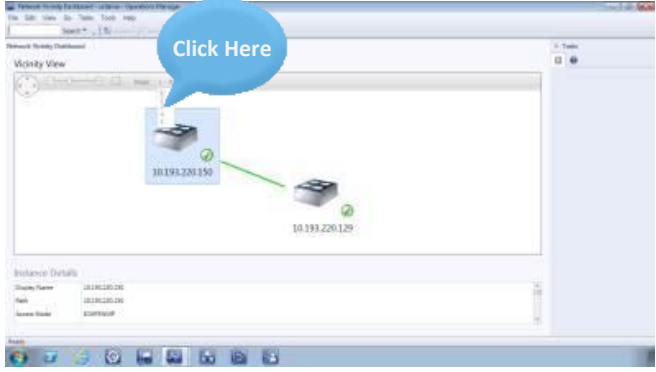
### 4. Select the first device.

You can view a list of the devices being monitored, including routers, switches, firewalls, load balancers and more, and get detailed properties for each device.

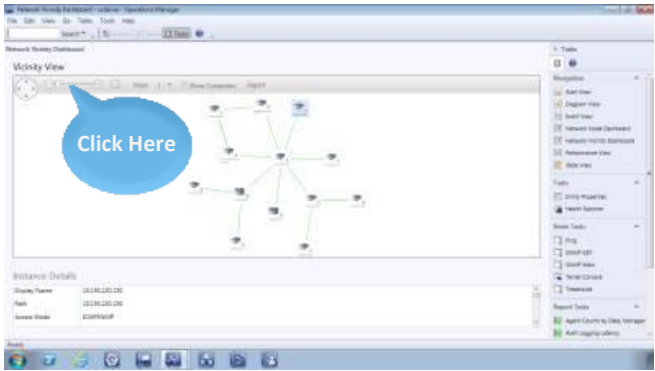
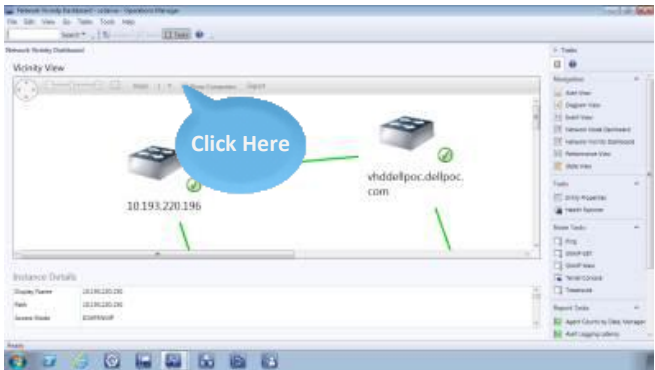
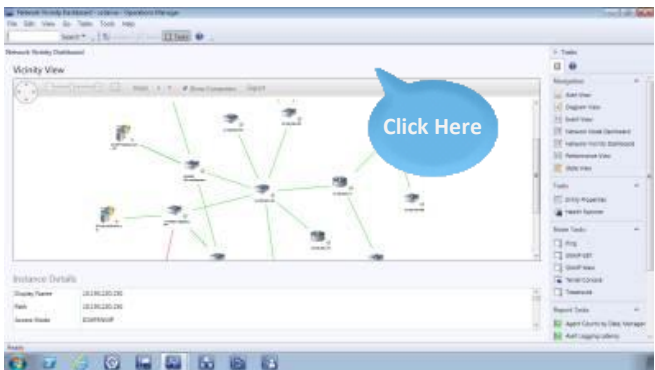


### 5. Click **OK**.

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	<p>6. Click <b>Network Vicinity Dashboard</b>.</p>	<p>Select the <b>Network Vicinity Dashboard</b> section to see how these devices are connected with each other.</p>
	<p>7. Click the <b>Hops</b> drop-down.</p>	<p>You can increase the number of hops to see additional devices that are connected to a particular node.</p>
	<p>8. Select <b>3</b>.</p>	

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	<p>9. Click the scroll bar.</p>	<p>Zoom in or out to focus on particular devices.</p>
	<p>10. Check the <b>Show Computers</b> box.</p>	<p>Additionally, you can visualize where computers are connected to your network devices for a more complete troubleshooting path.</p>
	<p>11.</p>	<p>In this guided lab, you saw a brief example of how Microsoft System Center 2012 - Operations Manager offers a straightforward, convenient way to monitor fabric and infrastructure, and provides built-in support for network monitoring.</p>



## Demo Script: Lab 10 - Monitor Infrastructure

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 Out and Verify Package Deployment</p> <p>10. Monitor Fabric and Infrastructure</p> <p>11. Take Corrective Actions in the Fabric 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. Perform Consistent Updates</p> <p>APPLICATION MANAGEMENT   SERVICE DELIVERY AND AUTOMATION   INFRASTRUCTURE MANAGEMENT</p> <p>Click Here</p>	<p>1.</p>	<p>You have successfully completed the guided lab on how to “Monitor Fabric and Infrastructure.” 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>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>