

## Lab 2

# Creating a Virtual Machine

### **Objective: Create a virtual machine and install a guest operating system and VMware Tools**

In this lab, you will perform the following tasks:

1. Create a Virtual Machine
2. Install a Guest Operating System on the Virtual Machine
3. Install VMware Tools on the Windows Guest Operating System
4. Install the VMRC
5. Open a Virtual Machine Console in VMRC

### **Task 1: Create a Virtual Machine**

You can create a single virtual machine and configure it with the required hardware and software configuration.

Use the following information from the class configuration handout:

- vCenter Server Appliance name
- vCenter Server Appliance administrator password
- ESXi host
- Shared datastore
- Repository for ISO images
- ISO filename

1. From the Firefox Web browser, open vSphere Web Client.
2. On the VMware vSphere® Web Client login page, log in as administrator@vsphere.local and enter the VMware ESXi™ administrator password.
3. Click **Login**.
4. In the contents pane, click **Hosts and Clusters**.
5. If needed, expand the **Training** data center and the **Lab Cluster** cluster to show their contents.
6. In the Navigator pane, right-click your assigned ESXi host and select **New Virtual Machine > New Virtual Machine**.

The Create a New Virtual Machine wizard starts.

7. On the Select a creation type page, select **Create a new virtual machine** and click **Next**.
8. On the Select a name and folder page, name the virtual machine **StuA\_NVM**.
9. Select **Training** as the location for the virtual machine and click **Next**.
10. On the Select a compute resource page, select your ESXi host and click **Next**.
11. On the Select storage page, select the shared datastore and click **Next**.
12. On the Select compatibility page, select **ESXi 6.0 and later** and click **Next**.
13. On the Select a guest OS page, select **Microsoft Windows Server 2003 (32-bit)** from the **Guest OS Version** drop-down menu and click **Next**.
14. On the Customize hardware page, expand **New Hard disk**.
15. Verify that the **New Hard disk** is set to 8 GB.
16. Under Disk Provisioning, click **Thin provision**.
17. Click the black triangle next to New Hard Disk to collapse the advanced options for the New Hard Disk.
18. Expand **New CD/DVD Drive**.
19. In New CD/DVD, select **Datastore ISO File** from the drop-down menu.
20. Expand the Shared Datastore list and click the **ISO** folder.
21. Select the ISO filename in your class configuration handout and click **OK**.
22. Select the **Status Connect At Power On** box.
23. Collapse **New CD/DVD** and click **Next**.
24. On the Ready to complete page, click **Finish**.
25. Verify that the new virtual machine appears in the inventory.