Your Performance

Your Score: 3 of 5 (60%)

Elapsed Time: 6 minutes

Pass Status: Not Passed

Required Score: 100%

Task Summary

✔ Create the CorpDC.vhd virtual hard disk   Hide Details

> ✚ Create the virtual hard disk
> ✚ Make the disk a fixed size disk
> ✚ Configure a size of 500 GB

✔ Create the virtual machine   Hide Details

> ✚ Create the CorpDC virtual machine
> ✚ Use 2048 MB of memory
> ✚ Use dynamic memory
> ✚ Configure the virtual machine to use the CorpDC.vhd virtual hard disk

✔ Create the Test Network virtual network   Hide Details

> ✚ Create the virtual network
> ✚ Use Internal as the network type

✘ Configure virtual machine network settings   Hide Details

> ▬ Create a legacy network adapter
> ▬ Configure the legacy adapter to use the WDS Network
> ▬ Configure the BIOS to boot using the legacy network adapter first

✘ Configure dynamic memory settings   Hide Details

> ▬ Set minimum memory to 512 MB
> ▬ Set maximum memory to 4096 MB
> ▬ Set the memory buffer to 30%

Explanation

In this lab, you complete the following tasks:

- Use the Hyper-V Manager utility to create a virtual hard disk named **CorpDC** in the D:\HYPERV\Virtual Hard Disks directory.
    - Select the format that allows for maximum backwards compatibility.
    - Configure the disk for best performance.
    - Set the size at **500 GB**.
- Create a virtual machine named **CorpDC**.
    - Save the virtual machine in the **D:\HYPERV** folder.
    - Use **2048 MB** of startup memory for the virtual machine.
    - Use dynamic memory.
    - Configure the network adapter to remain disconnected for now.
    - Use the existing CorpDC virtual hard disk file that you created.
    - Do not install an operating system (the operating system will be installed from an image later).
- Create a Test Network virtual switch.
- Configure the virtual machine network settings as follows:
    - Other network hosts should not be able to use this network.
    - Add a legacy network adapter to the virtual machine.
    - Configure the adapter to use the network you created.

- Configure the virtual machine to boot from the network.
- Configure dynamic memory settings:
    - Minimum RAM: **512 MB**
    - Maximum RAM: **4096 MB**
    - Memory buffer: **30%**

Complete this lab as follows:

1. Create a virtual hard drive as follows:

    The Disk Management utility can be used to create virtual disks. However, this lab is designed to only use Hyper-V Manager to create the virtual disks

    a. In Server Manager, select **Tools** > **Hyper-V Manager**.
    b. Right-click **CORPSERVER** and select **New** > **Hard Disk**.
    c. Click **Next**.
    d. Select **VHD** and click **Next**.
    e. Make sure **Fixed size** is selected; then click **Next**.
    f. In the Name field, enter **CorpDC.vhd** and click **Next**.
    g. In the Size field, enter **500**; then click **Next**.
    h. Review the virtual disk specifications and click **Finish**.

2. Create a virtual machine as follows:
    a. Right-click **CORPSERVER** and select **New** > **Virtual Machine**.
    b. Click **Next**.
    c. In the Name field, enter **CorpDC**; then click **Next**.
    d. Select **Generation 1**; then click **Next**.
    e. In Startup memory, enter **2048**.
    f. Select **Use Dynamic Memory for this virtual machine**; then click **Next**.
    g. From the Connection list, make sure **Not Connected** is selected; then click **Next**.
    h. Select **Use an existing virtual hard disk**.
    i. In the Location field, enter **D:\HYPERV\Virtual Hard Disks\CorpDC.vhd**.
    j. Click **Next**.
    k. Review the virtual machine specifications and click **Finish**.

3. Create a virtual switch as follows:
    a. Right-click **CORPSERVER** server and select **Virtual Switch Manager**.
    b. In the left pane, make sure **New virtual network switch** is selected.
    c. Select **Internal** as the switch type.
    d. Select **Create Virtual Switch**.
    e. In the Name field, enter **Test Network**; then click **OK**.

4. Configure virtual machine settings as follows:
    a. Under Virtual Machines in Hyper-V Manager, right-click **CorpDC** and select **Settings**.
    b. In the Add Hardware pane, select **Legacy Network Adapter** and select **Add**.
    c. From the Virtual Switch drop-down list, select **Test Network**.
    d. Click **Apply**.
    e. In the left pane, select **BIOS** to configure booting from the Legacy Network Adapter
    f. Select the **Legacy Network adapter**.
    g. Select **Move Up** twice to move the adapter to the top of the list.
    h. Click **Apply**.
    i. In the left pane, select **Memory** to configure dynamic memory settings.
    j. In the Minimum RAM field, type **512**.
    k. In the Maximum RAM field, type **4096**.
    l. Set the Memory buffer to **30%**
    m. Click **OK**.