1장 데모1-Installing Server Core

Preparation Steps

For this demonstration, you must use the available virtual machine environment. Before you begin the demonstration, you must complete the following steps:

1. On the host computer, click **Start**, point to **Windows Administrative Tools**, and then click **Hyper-V Manager**.
2. In Hyper-V Manager, click **20740C-LON-DC1**, and then in the **Actions** pane, click **Start**.
3. In the **Actions** pane, click **Connect**. Wait until the virtual machine starts.
4. Sign in by using the following credentials:
    - Username: **Administrator**
    - Password: **Pa55w.rd**
    - Domain: **Adatum**
5. In Hyper-V Manager, right-click **20740C-LON-SVR6**, and then select **Connect**.
6. On **20740C-LON-SVR6**, in the virtual machine connection window, click **Media**, point to **DVD Drive**, and then click **Insert Disk**.
7. Browse to **D:₩Program Files₩Microsoft Learning₩20740₩Drives**, select **WinServer2016_1607.iso**, and then click **Open**.
8. In the **LON-SVR6** virtual machine connection window, click the **Start** icon.

Demonstration Steps

Install Windows Server 2016 Core

1. After a moment, the setup program for Windows Server 2016 appears. On the **Enter your language and other preferences and click "Next" to continue** page of Windows Setup, click **Next**.
2. On the **Install** page, click **Install Now**.
3. On the **Select the operating system you want to install** page, switch between the four displayed options, explaining each. Be sure to point out that **Windows Server 2016 Standard Evaluation** is the Server Core mode, and it installs by default. Select the **Windows Server 2016 Datacenter Evaluation** option, and then click **Next**.
4. On the **Applicable notices and licenses terms** page, select the **I accept the license terms** checkbox, and then click **Next**.
5. On the **Which type of installation do you want?** page, select **Custom**.
6. On the **Where do you want to install Windows** page, select **Next**. The **Installing Windows** page appears.

Note: It takes approximately 5 minutes for the installation to complete.

7. When the installation completes, **LON-SVR6** restarts, and then after some time, a **Command Prompt** window opens and displays the following text:

   Administrator

   The user's password must be changed before signing in.

   Ok

   Cancel

8. Note that the **Ok** text line is highlighted. Press Enter.
9. The **Command Prompt** window text changes to the following:

   Enter new credentials for Administrator or hit ESC to cancel.

Below this line, in the **New password** text line, type **Pa55w.rd** and then press the Tab key. In the **Confirm password** text line, type **Pa55w.rd**, and then press Enter. The text in the **Command Prompt** window changes to:

Your password has been changed.

Ok

Note that the **Ok** text line is highlighted. Press Enter.

10. At this point, the **Command Prompt** window opens with a **C:₩Users₩Administrator>** prompt.

Configure a new Server Core installation

1. In the **Command Prompt** window, type **PowerShell**, and then press Enter.
2. Windows PowerShell will load and the prompt will change to **PS C:₩Users₩Administrator>**.
3. In the **Command Prompt** window, type the following, and then press Enter:

   $env:computername

4. Note that the name is initially a randomly selected host name. In most cases, you will need to change the host name.
5. In the **Command Prompt** window, type the following, and then press Enter:

   Get-NetIPAddress | FT IPAddress

6. Note the IPv4 address of 172.16.0.160. This is a DHCP address that was received from the DHCP Server service that is running on **LON-DC1**. While you can use this address, you normally would use a static IP address for servers that host server roles.
7. You can use many Windows PowerShell and command prompt commands to configure **LON-SVR6**, but Microsoft provides a tool named **Sconfig.cmd** that uses

a text-based display to perform all aspects of initial configuration.

8. In the **Command Prompt** window, type **sconfig.cmd**, and then press Enter.
9. To select **Network Settings**, type **8**, and then press Enter.
10. For **Select Network Adapter Index#**, type **1**, and then press Enter.
11. On the screen, note the four options at the bottom. Select each of the following numbers, and then set the following values:
    a. **1) Set Network Adapter Address**: Select **Static IP**, **Enter 172.16.0.26 static IP address**, **Enter Subnet Mask**: **255.255.0.0**, **Enter Default Gateway**: **172.16.0.1**.
    b. **2) Set DNS Server**: **Enter new preferred DNS server: 172.16.0.1**, and then press Enter, click **OK** in the **Network Settings** pop-up window, and then in **Enter alternate DNS server**, press Enter.
    c. **4) Return to Main Menu**.
12. In the main **Server Configuration** window, type **1**, and then press Enter.
13. At the **Change Domain/Workshop Membership** prompt, type **D** for domain, and then press Enter.
14. At the **Name of Domain to join** prompt, type **Adatum.com**, and then press Enter.
15. At the **Specify an authorized domain₩user** prompt, type **Adatum₩Administrator**, and then press Enter.
16. In the **Netdom.exe Command Prompt** window, type **Pa55w.rd** and then press **Enter**. Note that the password does not echo back onto the screen.
17. Wait for a minute. The **Netdom.exe Command Prompt** window closes and the **Change computer name** dialog box appears. Click **Yes**.
18. At the **Enter new computer name** prompt, type **LON-SVR6**, and then press Enter.
19. At the **Specify an authorized domain₩user** prompt, type **Adatum₩Administrator**, and then press Enter.

20. In the **Netdom.exe Command Prompt** window, type **Pa55w.rd** and then press Enter. Note that the password does not echo back onto the screen.
21. In the **Restart** dialog box, click **Yes**.
22. After **LON-SVR6** restarts, Press Ctrl+Alt+Del, and then in the **Command Prompt** window loads with the text: "Enter credentials for Administrator or hit ESC to switch users/sign-in methods Password." Type **Pa55w.rd**, and then press Enter.
23. In the **Command Prompt** window, type **PowerShell**, and then press Enter.
24. In the **Command Prompt** window, type the following, and then press Enter:

    $env:computername
25. Note that the name is **LON-SVR6**.
26. In the **Command Prompt** window, type the following, and then press Enter:

    Get-NetIPAddress | FT IPAddress
27. Note the IPv4 address of **172.16.0.26**.
28. At this point, you use could use **Server Manager** on any Adatum.com domain running Windows Server with Desktop Experience mode and add **LON-SVR6**. You could then use **Server Manager** to install roles and features on **LON-SVR6**, and then use the GUI tools in the Desktop Experience mode server to remotely manage **LON-SVR6**.
29. In the **20740C-LON-SVR6 Virtual Machine Connection** window, click the **Revert** icon, and then close the window. Do the same for **20740C-LON-DC1**, but don't close the window.
30. In the **20740C-LON-DC1 Virtual Machine Connection** window, click **Start**.

1장 데모2- Using MAP

After completing the demo, revert the virtual machines.

Preparation Steps

Start and sign in to **20740C-LON-DC1** and **20740C-LON-CL1** with the user name **Adatum₩Administrator** and the password **Pa55w.rd**.

Demonstration Steps

Review the MAP options

1. On **LON-CL1**, click **Start**, and then click **Microsoft Assessment and Planning Toolkit**.
2. In the **Microsoft Assessment and Planning Toolkit** console, a dialog box will appear named **Microsoft Assessment and Planning Toolkit**. To close the dialog box, click **Cancel**.
3. In the **Microsoft Assessment and Planning Toolkit** console, review the default window that displays the **Overview** page.
4. In the **Microsoft Assessment and Planning Toolkit** console, in the left pane, click **Cloud**, and then review the readiness information for the different cloud scenarios.
5. In the **Microsoft Assessment and Planning Toolkit** console, in the left pane, click **Desktop**, and then review the readiness information for the different desktop scenarios.
6. Repeat step 4 for all remaining items in the left pane: **Server**, **Desktop Virtualization**, **Server Virtualization**, **Database**, **Usage Tracking**, and **Environment**.

Perform inventory

1. On **LON-CL1**, in the **Microsoft Assessment and Planning Toolkit** console, in the left pane, click **Overview**, and then, in the **Overview** page, click **Create/Select database**.
2. In the **Microsoft Assessment and Planning Toolkit** dialog box, ensure that **Create an inventory database** is selected, in the **Name** box type **INVENTORY**, and then click **OK**.
3. On the **Overview** page, click **Perform an inventory**.
4. In the **Inventory and Assessment Wizard**, perform the following steps:
    a. On the **Inventory Scenarios** page, select the following check boxes, and then click **Next**:
        - **Windows computers**
        - **Exchange Server**
        - **Lync Server**
        - **SQL Server**
        - **Windows Azure Platform Migration**
    b. On the **Discovery Methods** page, select **Use Active Directory Domain Services (AD DS)**, and **Scan an IP address range**, and then click **Next**.
    c. On the **Active Directory Credentials** page, in the **Domain** field, type **Adatum.com**, and then, in the **Domain account** field, type **Adatum₩Administrator**. In the **Password** field, type **Pa55w.rd,** and then click **Next**.
    d. In the **Active Directory Options** page, click **Next**.
    e. On the **Scan an IP Address Range** page, in the **IP address ranges** table, click in the cell under **Starting Address**, and then type **172.16.0.1**. Click in the cell under **Ending Address**, and then type **172.16.0.100**. Click **Tab** and

then **Next**.

f. On the **All Computers Credentials** page, click **Next**, and then on **Credentials Order** page, click **Next**.

g. On the **Connection Properties** page, click **Next**.

h. On the **Summary** page, review the inventory options, click **Cancel**, and then click **Yes**.

Note: You cancel the inventory procedure because the lab does not contain an environment with older operating systems for MAP to discover. In the next step, you review the test inventory that you import from the sample database in MAP.

Review MAP Toolkit inventory from a sample database

1. In the **Microsoft Assessment and Planning Toolkit** console, click **File**, and then click **Manage Databases**.
2. In the **Microsoft Assessment and Planning Toolkit** dialog box, click **Import**, and then click **Browse**.
3. In the **Microsoft Assessment and Planning Toolkit** dialog box, navigate to **C:₩Program Files ₩Microsoft Assessment and Planning Toolkit₩Sample**, on the right pane click **MAP_SampleDB.bak**, and then click **Open**.
4. In the **Microsoft Assessment and Planning Toolkit** dialog box, in the **Database Name** box, type **MAPDEMO**, and then click **OK**.
5. If the dialog box displays a message that the imported database needs to updated, click **Yes**.
6. After a few minutes, when the dialog box displays a message that the database has been imported successfully, click **OK**, and then click **Close**.
7. In **Microsoft Assessment and Planning Toolkit** window, click **File**, and then click

Create/Select Database.

8. In **Microsoft Assessment and Planning Toolkit** dialog box, ensure that **Use an existing database** is selected, select **MAPDEMO**, and then click **OK**.
9. In the **Microsoft Assessment and Planning Toolkit** console, review the default window that displays the **Overview** page that includes inventory information loaded from the sample database. Refresh the **Overview** page window, if necessary.
10. In the **Microsoft Assessment and Planning Toolkit** console, in the left pane, click **Cloud**, and then review the readiness information for the different cloud scenarios that displays with inventory information from the sample database.
11. In the **Microsoft Assessment and Planning Toolkit** console, on the left pane, click **Desktop**, and then review the readiness information for the different desktop scenarios that displays with inventory information from the sample database.
12. Repeat step 10 for all remaining items in the left pane: **Server**, **Desktop Virtualization**, **Server Virtualization**, **Database**, **Usage Tracking**, and **Environment**.