LAB 14
CREATING AND MANAGING ACTIVE DIRECTORY USERS AND COMPUTERS

THIS LAB CONTAINS THE FOLLOWING EXERCISES AND ACTIVITIES:

BEFORE YOU BEGIN

The lab environment consists of three servers connected to a local area network, which you will configure to function as the domain controller for a domain called adatum.com. The computers required for this lab are listed in Table 14-1.

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Table 14-1
Computers Required for Lab 14

Computer	Operating System	Computer Name
Domain controller 1	Windows Server 2012	SVR-DC-A
Member server 2	Windows Server 2012	SVR-MBR-B
Member server 3	Windows Server 2012	SVR-MBR-C

In addition to the computers, you also require the software listed in Table 14-2 to complete Lab 14.

Table 14-2
Software Required for Lab 14

Software	Location
Lab 14 student worksheet	Lab14_worksheet.docx (provided by instructor)

Working with Lab Worksheets

Each lab in this manual requires that you answer questions, shoot screen shots, and perform other activities that you will document in a worksheet named for the lab, such as Lab14_worksheet.docx. It is recommended that you use a USB flash drive to store your worksheets, so you can submit them to your instructor for review. As you perform the exercises in each lab, open the appropriate worksheet file, fill in the required information, and save the file to your flash drive.

After completing this lab, you will be able to:

f Create AD DS computer objects

f Create AD DS user objects

f Create objects using Windows PowerShell

f Create multiple objects using LDIFDE

Estimated lab time: 55 minutes

Exercise 14.1 Creating Computer Objects

Overview In this exercise, you use the Active Directory Users and Computers console on a newly installed domain controller to create a computer object.

Mindset Is it always necessary to create computer objects manually? Completion time

10 minutes

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1. Log on to the SVR-DC-A computer, which has the Server Manager console open, using the domain Administrator account and the password Pa$$w0rd. Select Tools > Active Directory Users and Computers. The Active Directory Users and Computers console appears.

2. In the left pane, expand the adatum.com node, if needed, and select the Computers container.

3. Right-click the Computers container and, from the context menu, click New > Computer. The New Object – Computer Wizard appears (see Figure 14-1).

Figure 14-1
The New Object—Computer Wizard

4. In the Computer name text box, type Wkstn1.

5. Under User or group, click Change. The Select User or Group dialog box appears.

6. In the Enter the object name to select text box, type Domain Computers and click OK. The group appears in the User or group text box.

7. Click OK. The wizard creates the computer object.

8. Take a screen shot of the Computers container in the Active Directory Users and Computers console, showing the computer object the wizard created, by pressing Alt+Prt Scr, and then paste the resulting image into the Lab 14 worksheet file in the page provided by pressing Ctrl+V.

End of exercise. You can leave the windows open for the next exercise.

Exercise 14.2 Creating a Single User

Overview In this exercise, you use the Active Directory Users and Computers console on a newly installed domain controller to create a domain user account.

Mindset How many other ways are there to create a user object? Completion time 10 minutes

1. On the SVR-DC-A computer, in the Active Directory Users and Computers console, select the People organizational unit.

2. From the Action menu, select New > User. The New Object – User Wizard appears (see Figure 14-2).

Figure 14-2
The New Object—User Wizard

3. In the First name text box, type Lori and in the Last name text box, type Kane.

4. In the User logon name text box, type lkane and click Next. The second page of the New Object – User Wizard appears.

5. In the Password and Confirm password fields, type Pa$$w0rd.

6. Clear the User must change password at next logon check box and click Next. A confirmation page listing the settings you configured appears.

7. Click Finish. The wizard creates the user object and closes.

8. Take a screen shot of the People container in the Active Directory Users and Computers console, showing the user object the wizard created, by pressing Alt+Prt Scr, and then paste the resulting image into the Lab 14 worksheet file in the page provided by pressing Ctrl+V.

End of exercise. Close any open windows before you begin the next exercise.

Exercise 14.3 Using Active Directory Administrative Center

Overview In this exercise, you use the Active Directory Administrative Center console to create user and computer objects.

Mindset What can Active Directory Administrative Center do that other tools cannot?

Completion time 10 minutes

1. On the SVR-DC-A computer, in the Server Manager console, select Tools > Active Directory Administrative Center. The Active Directory Administrative Center console appears.

2. In the left pane, select the adatum (local) node and, in the center pane, double-click the Computers container. The contents of the Computers container appears in the center pane.

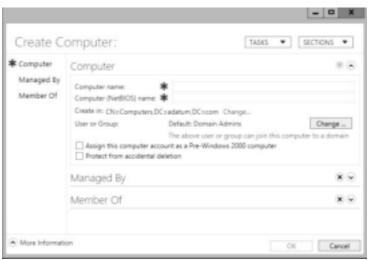3. In the right pane, select New > Computer. The Create Computer dialog box appears (see Figure 14-3).

Figure 14-3
The Create Computer dialog box

4. In the Computer name text box, type Wkstn8.

5. Under Member of, click Add. The Select Groups dialog box appears.

6. In the Enter the object name to select box, type Domain Computers and click OK. The group appears in the Member Of text box.

7. Click OK. The new object appears in the Computers container.

8. Take a screen shot of the Computers container by pressing Alt+Prt Scr, and then paste the resulting image into the Lab 14 worksheet file in the page provided by pressing Ctrl+V.

9. In the left pane, select the adatum (local) node and, in the center pane, double-click the People OU. The contents of the People container appears in the center pane.

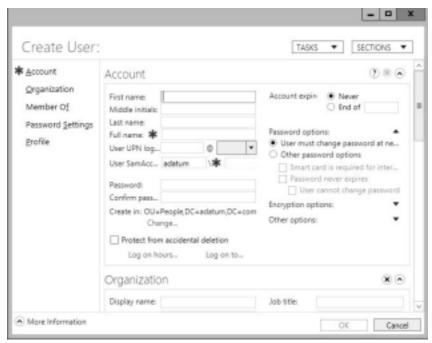10. In the right pane, select New > User. The Create User dialog box appears (see Figure 14-4).

Figure 14-4
The Create User dialog box

11. In the First name text box, type Monica, and in the Last name text box, type Brink.

12. In the User SamAccountName Logon text box, type mbrink. In the Password and Confirm password fields, type Pa$$w0rd.

13. Scroll down and, in the Member of section, click Add. The Select Groups dialog box appears.

14. In the Enter the object name to select text box, type Domain Users and click OK. The group appears in the Member Of text box.

15. Click OK. The new user object appears in the People OU.

16. Take a screen shot of the People by pressing Alt+Prt Scr, and then paste the resulting image into the Lab 14 worksheet file in the page provided by pressing Ctrl+V.

End of exercise. Close any open windows before you begin the next exercise.

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Lab

Challenge

Overview You can create Active Directory user objects on a domain controller using Windows PowerShell commands.

Completion time 15 minutes

To complete this challenge, you must use Windows PowerShell commands (and Windows PowerShell commands only) on SVR-DC-A to create user objects in the adatum.com domain, in the People container, for the following users:

- Syed Abbas

- Brenda Diaz

- Steve Masters

For each user, form the user logon name with the person's first initial and surname. Disable the User must change password at next logon option and enable the Password never expires option.

End of exercise. Close any open windows before you begin the next exercise.

Lab Challenge

Overview To create batches of users in one operation, you can use the LDIFDE.exe program from the command prompt.

Completion time 15 minutes

To complete this challenge, create a correctly formatted LDIF input data file to create the following domain user accounts in the People OU of the adatum.com domain. For each user, form the user logon name with the person's first initial and surname. For the user principal name, use an e-mail address formed from the user logon name and the domain name.

- Oliver Kiel

- Marie Dubois

- Maurice Taylor

- Esther Valle

- Raffaella Bonaldi

End of lab.