Lab 18

Configuring account policies

This lab contains the following exercises and activities:

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| Exercise 18.1 | Configuring a Domain Password Policy |
| Exercise 18.2 | Configuring Account Lockout Settings |
| Exercise 18.3 | Configuring a Password Settings Object |
| Lab Challenge | Managing Password Settings Objects Permissions |

BEFORE YOU BEGIN

The lab environment consists of student workstations connected to a local area network, along with a server that functions as the domain controller for a domain called *contoso.com*. The computers required for this lab are listed in Table 18-1.

Table 18-1

Computers Required for Lab 18

|  |  |  |
| --- | --- | --- |
| Computer | Operating System | Computer Name |
| Server (VM 1) | Windows Server 2012 | RWDC01 |

In addition to the computers, you also require the software listed in Table 18-2 to complete Lab 18.

Table 18-2

Software Required for Lab 18

|  |  |
| --- | --- |
| Software | Location |
| Lab 18 student worksheet | Lab18\_worksheet.rtf (provided by instructor) |

Working with Lab Worksheets

Each lab in this manual requires that you answer questions, take screen shots, and perform other activities that you will document in a worksheet named for the lab, such as Lab18\_worksheet.rtf. You will find these worksheets on the book companion site. 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 using WordPad, fill in the required information, and save the file to your flash drive.

After completing this lab, you will be able to:

* Configure a domain user password policy
* Configure account lockout settings
* Configure and apply Password Settings Objects (PSOs)

Estimated lab time: 55 minutes

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| Exercise 18.1 | Configuring a Domain Password Policy |
| Overview | In this exercise, you define a domain-level password policy including maximum password length and password history. |
| Completion time | 10 minutes |

**Mindset Question: How many account policies/password policies can you configure within an organization?**

**1.** Log in to RWDC01 as the **Contoso\Administrator** user account. The Server Manager console opens.

**2.** On Server Manager, click Tools >Group Policy Management. The Group Policy Management console opens.

**3.** Find and right-click Default Domain Policy and click Edit. The Group Policy Management Editor opens.

**4.** In the left window pane, expand the Computer Configuration node, expand the Policies node, and expand the Windows Settings folder. Then, expand the Security Settings node. In the Security Settings node, expand Account Policies and select Password Policy, as shown in Figure 18-1.

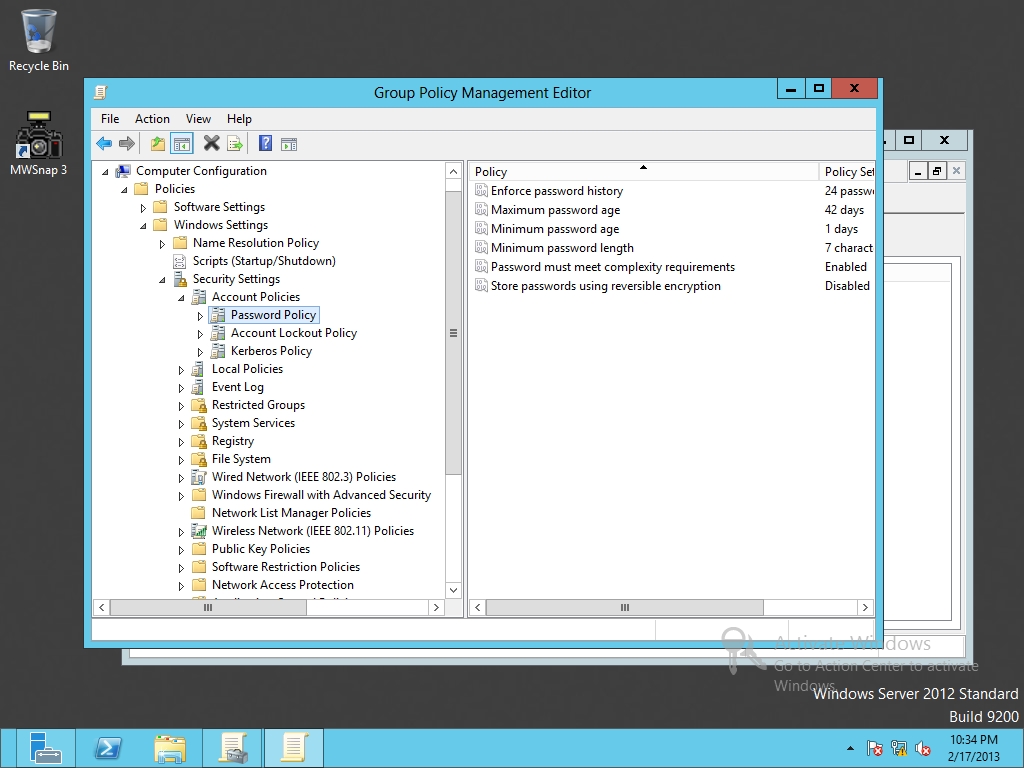


Figure 18-1

Managing Password Policy

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| Question 1 | What is the maximum password age? |

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| Question 2 | What is the minimum password length? |

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| Question 3 | How does enforce password history and minimum password age work together to keep a network environment secure? |

**5.** Double-click the Minimum password length. When the Minimum password length Properties dialog box opens, change the 7 value to 8 characters. Click OK to close the Minimum password length Properties dialog box.

**6.** Keep the Default Domain Policy Group Policy Management Editor window open for the next exercise.

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

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| Exercise 18.2 | Configuring Account Lockout Settings |
| Overview | In this exercise, you continue to configure the Default Domain Policy by configuring the account lockout settings. |
| Completion time | 5 minutes |

**Mindset Question: How does account lockout settings protect a network?**

**1.** On RWDC01, using Default Domain Policy Group Policy Management Editor console, under Account Policies, click Account Lockout Policy.

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| Question 4 | How are the account lockout settings currently set? |

**2.** Double-click Account lockout duration. When the Account lockout duration Properties dialog box opens, click to enable the Define this policy setting.

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| Question 5 | What is the default value for the Account lockout duration? |

**3.** Click OK to close the Account lockout duration Properties dialog box. When the Suggested Value Changes dialog box opens, look at the suggested settings. Then answer the following question and click OK.

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| Question 6 | How many invalid logon attempts can be made that will cause an account to be locked? |

**4.** Close the Group Policy Management Editor window for the Default Domain Policy.

**5.** Close the Group Policy Management console.

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

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| Exercise 18.3 | | Configuring a Password Settings Object |
| Overview | In this exercise, you create and apply a Password Settings Object to the Sales group. | |
| Completion time | 25 minutes | |

**Mindset Questions: How are Password Settings Objects (PSOs) used in a domain?**

**1.** On RWDC01, using Server Manager, click Tools > Active Directory Users and Computers. The Active Directory Users and Computers console opens.

**2.** Right-click contoso.com, click New, and click Organizational Unit.

**3.** When the New Object – Organizational Unit dialog box opens, type **Sales** in the Name text box. Click OK to close the New Object – Organizational Unit dialog box.

**4.** Right-click the Sales organizational unit, click New, and click User. The New Object – User dialog box opens.

**5.** Type in the following information:

First name: **John**

Last name: **Smith**

User logon name: **JSmith**

Click Next.

**6.** For the Password and Confirm password text boxes, type **Password01**.

**7.** Click to deselect the User must change password at next logon. Click Next.

**8.** Click Finish.

**9.** Create a user with the following information:

First name: **Stacy**

Last name: **Jones**

User logon name: **SJones**

Password: **Password01**

Deselect User must change password at next logon.

**10.** Right-click the Sales OU, click New, and click Group. The New Object – Group dialog box opens.

**11.** In the Group name text box, type **Sales**. Click OK.

**12.** Double-click the Sales group. The Sales Properties dialog opens.

**13.** Click the Members tab.

**14.** Click Add. The Select Users, Contacts, Computers, Service Accounts, or Groups dialog box opens.

**15.** In the text box, type **John Smith; Stacy Jones** and click OK.

**16.** Take a screen shot of the Sales Properties dialog box window by pressing Alt+Prt Scr and then paste it into your Lab18\_worksheet file in the page provided by pressing Ctrl+V.

**17.** Click OK to close the Sales Properties dialog box.

**18.** On RWDC01, using Server Manager, click Tools > Active Directory Administrative Center. The Active Directory Administrative Center opens.

**19.** In the Active Directory Administrative Center navigation pane, click the arrow next to the contoso.com (local) and select the System folder. Then scroll down and double-click Password Settings Container. The Password Settings Container is shown in Figure 18-2.

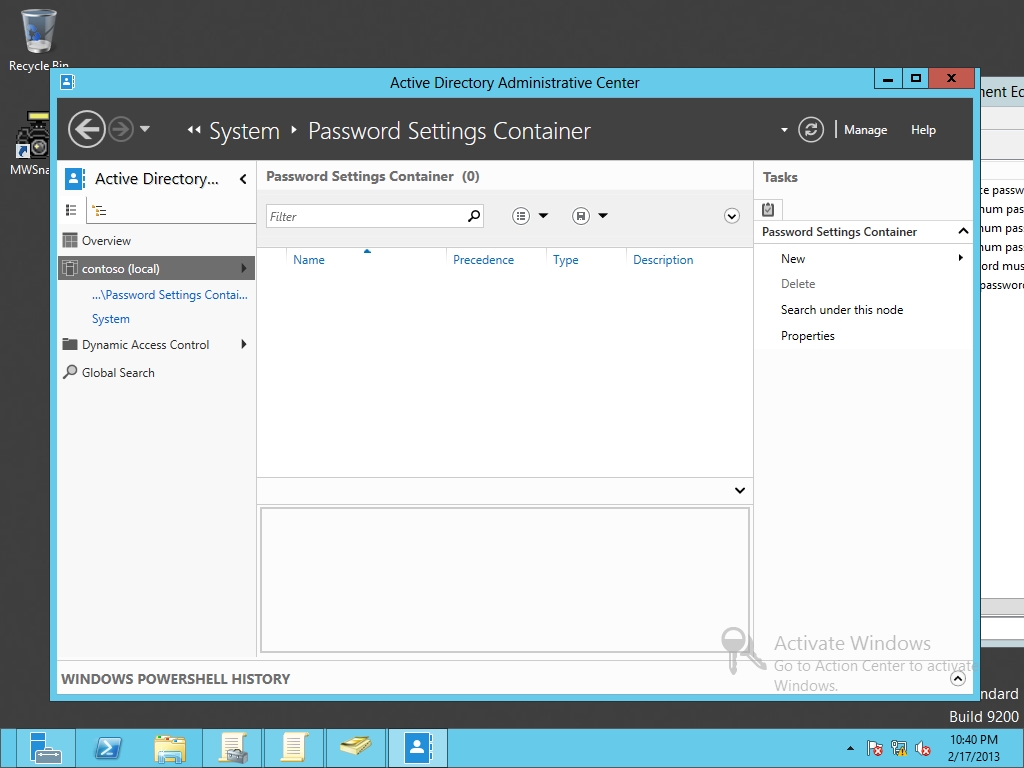


Figure 18-2

Managing Password Settings Container

**20.** In the Tasks pane, click New, and then click Password Settings. The Create Password Settings window opens as shown in Figure 18-3.

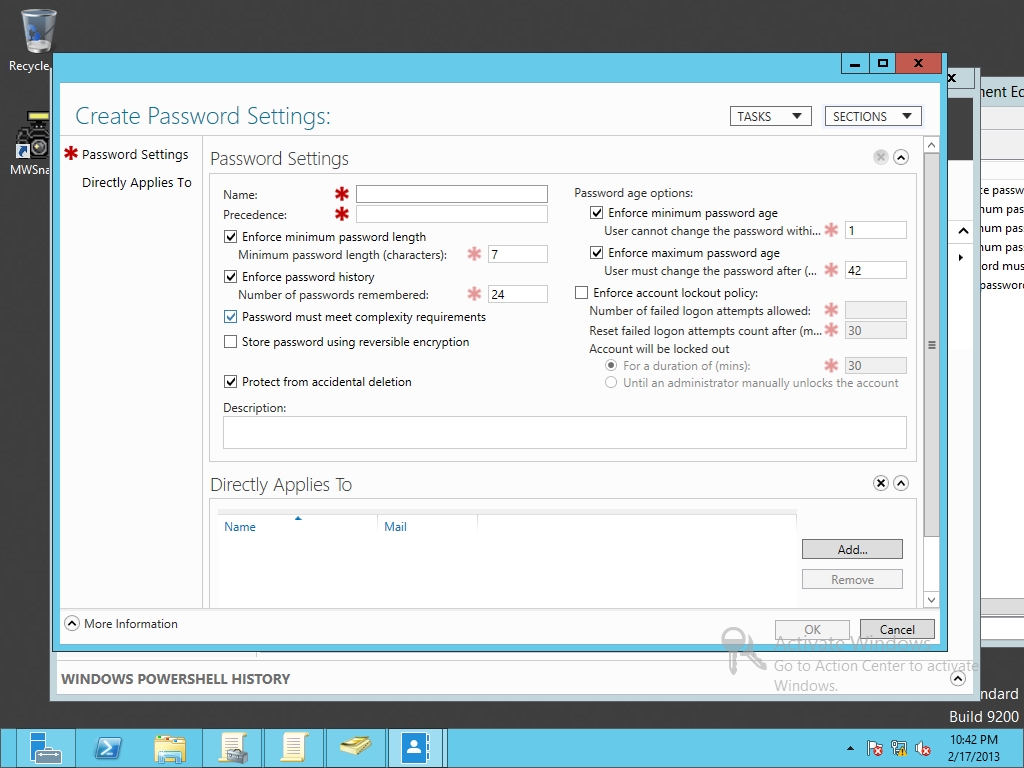


Figure 18-3

Creating Password Settings

**21.** In the Name text box, type **PSO1**.

**22.** In the Precedence text box, type **1**.

**23.** Change the minimum password length to **12**.

**24.** Click to enable Enforce account lockout policy.

**25.** Set the Number of failed logon attempts to **3**.

**26.** Change both the Reset failed logon attempts count after and Account will be locked out for a duration of **15** minutes.

**27.** In the Directly Applies To section, click the Add button.

**28.** When the Select Users or Groups dialog box opens, type **Sales** in the text box and click OK.

**29.** Click OK to submit the creation of the PSO.

**30.** Close the Active Directory Administrative Center.

**31.** Using Server Manager, open Tools > Active Directory Users and Computers. The Active Directory Users and Computers console opens.

**32.** Open the View menu and make sure that Advanced Features is checked. If it is not, click the Advanced Features option.

**33.** Open the Sales OU, right-click John Smith, and click Properties. The user Properties dialog box opens.

**34.** Click the Attribute Editor tab. The Attribute Editor tab is shown in Figure 18-4.

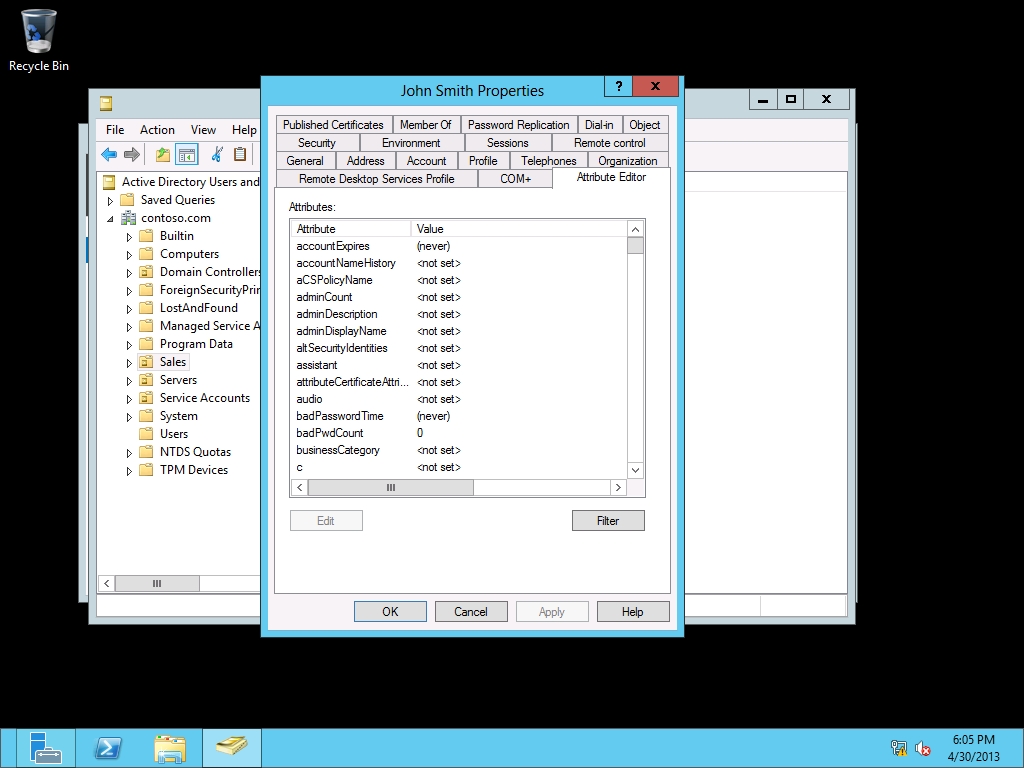


Figure 18-4

Editing a user’s attributes

**35.** Click Filter, and click Constructed.

**36.** Scroll down and find the msDS-ResultantPSO attribute to see the current PSO being applied.

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| --- | --- |
| Question 7 | Which PSO is applied? |

**37.** Take a screen shot of the Attribute Editor tab by pressing Alt+Prt Scr and then paste it into your Lab18\_worksheet file in the page provided by pressing Ctrl+V.

**38.** Clicked OK to close the Properties dialog box.

**39.** Close the Active Directory Users and Computers console.

Lab REview Questions

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| **Completion time** | **5 minutes** |

**1.** In Exercise 18.1, what did you use to define Password policies?

**2.** In Exercise 18.1, for a domain, where do you define password policies?

**3.** In Exercise 18.3, what are Password Settings Objects assigned to?

**4.** In Exercise 18.3, what settings are configured with Password Settings Objects?

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| Lab Challenge | Managing Password Settings Objects Permissions |
| Overview | To complete this challenge, you must demonstrate how manage Password Settings Object Permissions by writing the steps to complete the tasks described in the scenerio. |
| Completion time | 10 minutes |

As an administrator for the Contoso Corporation, how would you delegate permissions so that John Smith could manage the Password Settings Objects for the Contoso.com domain?

Write out the steps you performed to complete the challenge.

End of lab. You can log off or start a different lab. If you want to restart this lab, you’ll need to click the End Lab button in order for the lab to be reset.