**Lab Objective**

Encrypting a Volume with BitLocker

Lab Procedures

Encrypting Files with EFS

1. Log in to Server02 as the **Contoso\Administrator** user account. The Server Manager console opens.

2. On Server02, on Server Manager, click Manage and click Add Roles and Features. The Add Roles and Feature Wizard opens.

3. On the Before you begin page, click Next.

4. Select Role-based or feature-based installation and then click Next.

5. On the Select destination server page, click Next.

6. On the Select server roles page, click Next.

7. On the Select features page, select BitLocker Drive Encryption.

8. When the Add Roles and Features Wizard dialog box displays, click Add Features.

9. On the Select Features page, click Next.

10. On the Confirm installation selections page, click Install.

11. When BitLocker is installed, click Close.

12. Reboot the Server02.

13. Log in to Server02 as the **Contoso\Administrator**. The Server Manager console opens.

14. Using Server Manager, open the Tools menu and click Computer Management. The Computer Management console opens.

15. Expand the Storage node and click Disk Management.

16. Right-click the C drive and click Shrink Volume.

17. In the *Enter the amount of space to shrink in MB* text box, type **3000** and click Shrink.

18. Under Disk 0, right-click the unused space and click New Simple Volume.

19. When the Welcome to the New Simple Volume Wizard starts, click Next.

20. On the Specify Volume Size page, click Next.

21. On the Assign Drive Letter or Path page, click Next.

22. On the Format Partition page, click Next.

23. When the wizard is complete, click Finish.

24. Close Computer Management.

25. Click the Start button, and then click the Control Panel.

26. Click BitLocker Drive Encryption. The BitLocker Drive Encryption window opens as shown in Figure 6-10.
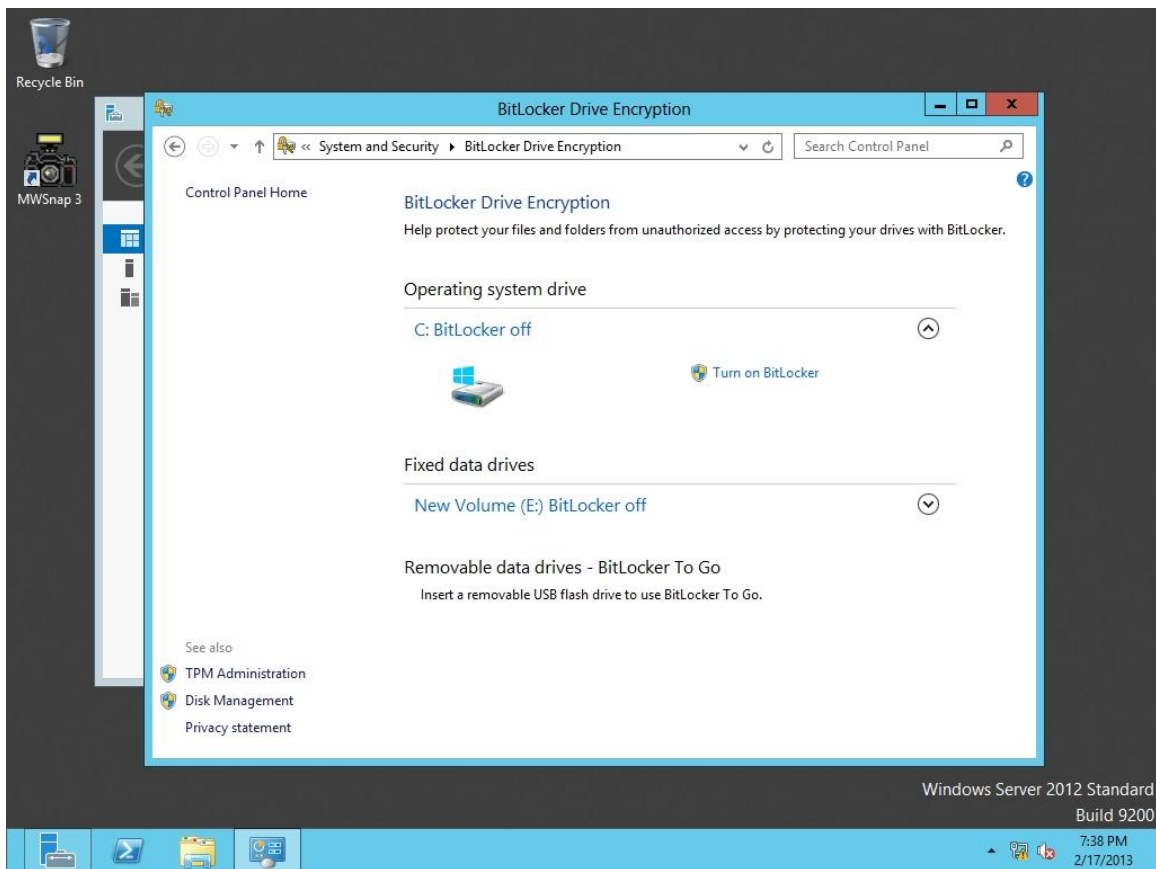
Figure 6-10
Opening the BitLocker settings

27. Click the down arrow next to the E drive. Then click Turn on BitLocker. A BitLocker Drive Encryption (E:) window opens.

28. On the *Choose how you want to unlock this drive* page, click to select the *Use a password to unlock the drive*. Type a password of **Password01** in the *Enter your password and Reenter your password* text boxes, and then click Next.

29. On the *How do you want to back up your recovery key?* page, click Save to a file option.

30. When the *Save BitLocker recovery key as dialog box* opens, type **\\rwdc01\Software** before BitLocker Recovery Key <GUID>.txt and click Save. Click Next.

31. On the BitLocker Drive Encryption (E:) page, select Encrypt entire drive radio button, and click Next.

32. On the *Are you ready to encrypt this drive?* page, click Start encrypting.

33. When the drive is encrypted, take a screen shot of the BitLocker window by pressing Alt+Prt Scr and then paste it into your Lab06_worksheet file in the page provided by pressing Ctrl+V
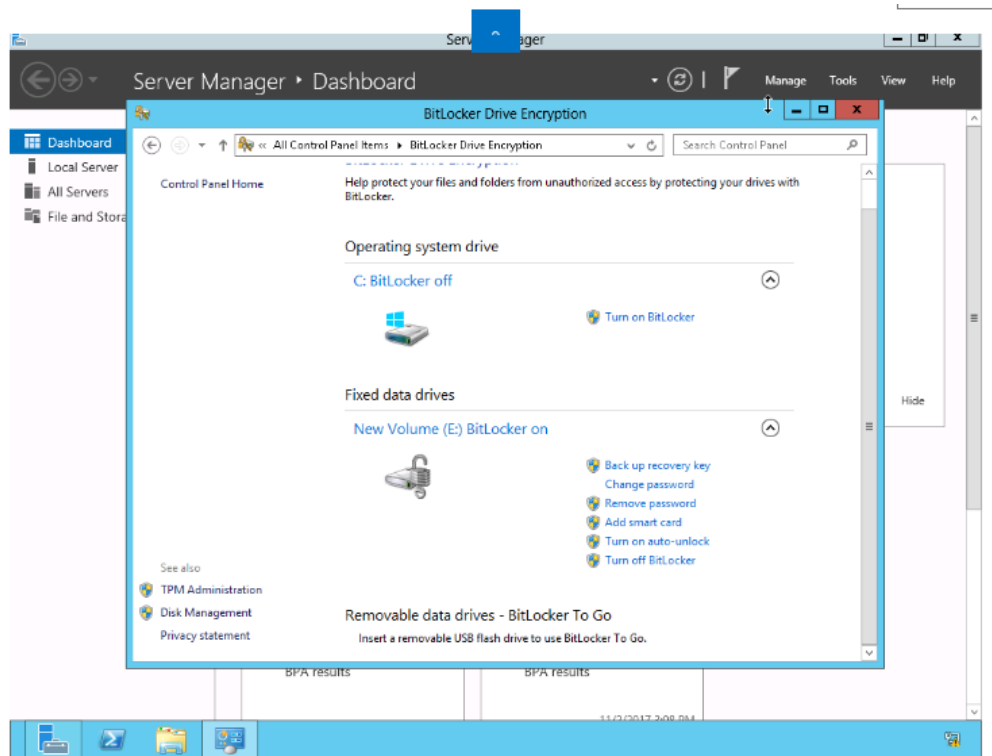

Figure 1 On the Are you ready to encrypt this drive? page, click Start encrypting

34. Close the BitLocker Drive Encryption window.

Lab Summary

In this exercise, I created a new volume and then use BitLocker to encrypt the entire volume. I control BitLocker from Control Panel. How does EFS and BitLocker differ? EFS is used to encyrpt a single file or folder while BitLocker is used to encyrpt an entire volume.