

## Lab 7.1 Encrypting a File and Folder

**Objective:** To provide security for a particular file and folder, enable encryption using Windows 7.

**Items needed:** A computer with Windows 7 loaded with two administrative accounts and at least one NTFS partition.

1. In K10, Start virtual box. Start CTS1327\_Win7\_01. Logon as Student01 (Student01 is a member of the Administrators group) with the password P@ssw0rd.
2. In Computer Management, choose Local Users and Groups. Create a User called Student02 and set the password as p@\$w0rd. Check the User cannot change password and password never expires selections. Add Student02 as a member of the Administrators group.
3. In Computer Management, start Disk Management. Create a new Simple Volume and format NTFS.
4. Open the New Volume in Windows Explorer.
5. Create a folder called DATA. Open the DATA folder and create a new .txt document called Student01Data.txt. Open and type in “Not encrypted”. Save the file, close Windows Explorer and Log off.
6. Log on as Student02. Can Student02 open the Student01Data.txt file? \_\_\_\_\_.
7. Close Student01Data.txt, close Windows Explorer and Log off.
8. Log on as Student01. Open Student01Data.txt. Change the text to “Encrypted”, save and close.
9. Right click on Student01Data.txt. Choose Properties. Click on the **Advanced** button.
10. Check the **Encrypt contents to secure data** and chose OK. Click on Apply.
11. In the Encryption Warning box, choose **Encrypt the file and its parent folder**.
12. Backup the encryption certificate in the PIE format with all extended properties called **Lastname.pfx** to the desktop and Log off.
13. Log on as Student02. Can Student02 open the Student01Data.txt file? \_\_\_\_\_.
14. In the DATA folder, create a new .txt document called Student02Data.txt. Open and type in Encrypted. Save the file, close Windows Explorer and Log off.
15. Log on as Student01. Can Student01 open the Student02Data.txt file? \_\_\_\_\_.
16. Right click on Student01Data.txt. Choose Properties. Click on the **Advanced** button. Click on **Details** button. Add Student02 as a user who can access this file. Click OK and log off.
17. Log on as Student02. Can Student02 open the Student01Data.txt file? \_\_\_\_\_.
18. Upload the **Lastname.pfx** file in the Lab7.1 dropbox in Angel.
19. Shut down.