

7.4.8 Configure BitLocker with a TPM

Your Performance

Your Score: 6 of 6 (100%)

Elapsed Time: 3 minutes 9 seconds

Pass Status: **Pass**

Required Score: 100%

Task Summary

Required Actions

- ✓ Enable the TPM
- ✓ Activate the TPM
- ✓ Turn BitLocker on for the System (C:) drive
- ✓ Save a recovery key on CorpServer
- ✓ Encrypt the entire drive
- ✓ Run BitLocker system check

Explanation

Complete this lab as follows:

1. (Optional) Try to enable BitLocker.
 - a. From the search field on the Windows taskbar, type **Control**.
 - b. From *Best match*, select **Control Panel**.
 - c. Select **System and Security**.
 - d. From the right pane, select **BitLocker Drive Encryption**.
 - e. Under *Operating system drive*, select **Turn on BitLocker**.
An error message at the bottom of the screen indicates that a TPM security device was not found.
 - f. Select **Cancel**.
2. Access the BIOS settings.
 - a. Right-click the **Start** menu and then select **Shut down or sign out > Restart** to reboot your computer.
 - b. When the TestOut logo appears, press **Delete** to enter the BIOS.
3. Turn on and activate the TPM.
 - a. From the left pane, expand and select **Security > TPM Security**.
 - b. From the right pane, select **TPM Security** and then select **Apply**.
 - c. Select **Activate** and then select **Apply**.
 - d. Select **Exit**.
Your computer will automatically reboot.
4. Turn BitLocker on.
 - a. From the search field on the Windows taskbar, type **Control**.
 - b. From *Best match*, select **Control Panel**.
 - c. Select **System and Security**.
 - d. Select **BitLocker Drive Encryption**.
 - e. Under *Operating system drive*, select **Turn on BitLocker**. Windows begins the Drive Encryption setup.
5. Back up a BitLocker recovery key.
 - a. Select **Save to a file**.
 - b. In the left pane, expand and select **Network > CorpServer > BU-Office1**.
 - c. Select **Save**.
 - d. Select **Next**.

6. Configure BitLocker encryption.

- a. Select **Encrypt entire drive** and then select **Next**.
- b. Make sure that **New encryption mode** is selected and then select **Next**.
- c. Select **Run BitLocker system check** and then select **Continue**.
- d. Select **Restart now**.

The computer will reboot, and the encryption process will run automatically.

- e. When the encryption process is complete, select **Close**.

7. Verify that encryption is enabled.

- a. From the Windows taskbar, select **File Explorer**.
- b. From the left pane, select **This PC**.
- c. From the right pane, verify that the **System (C:)** drive shows the encryption lock icon.

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