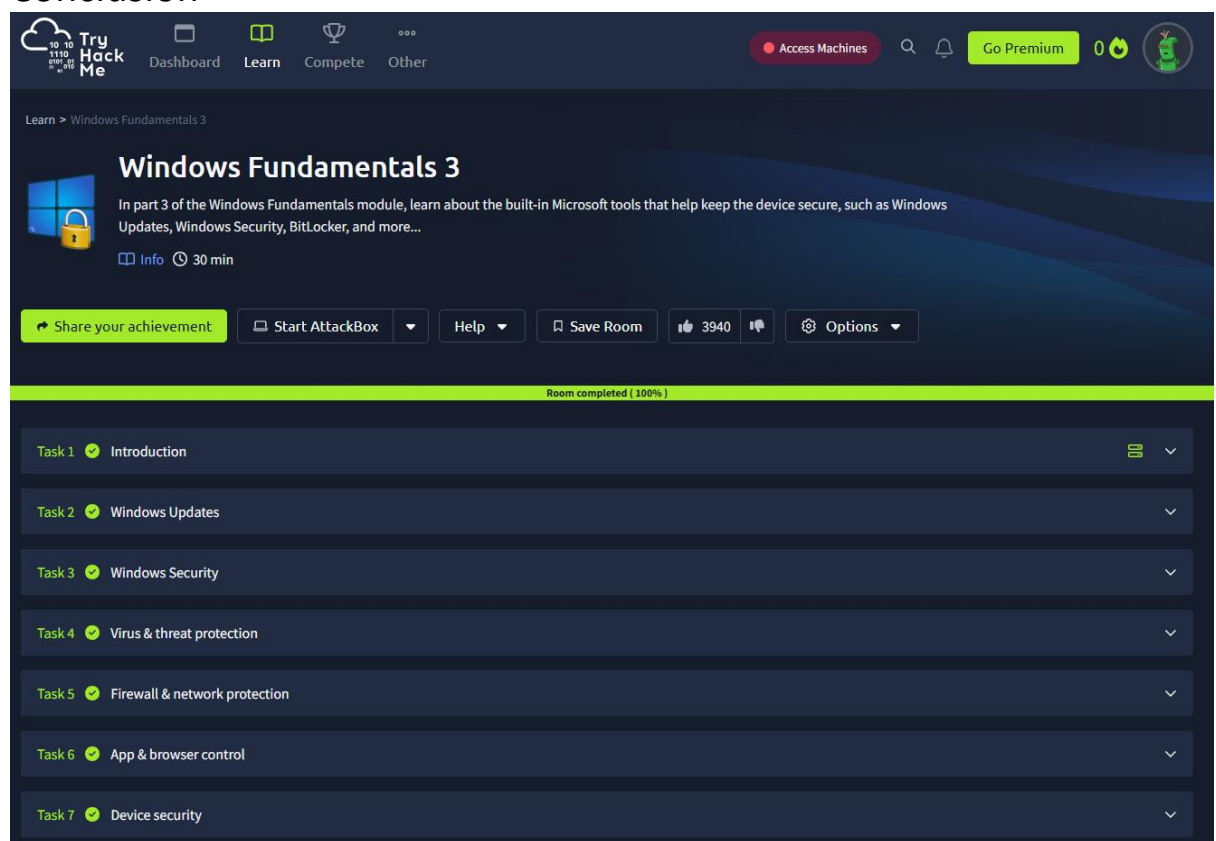


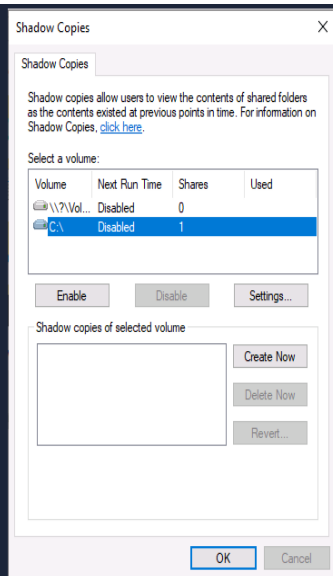
## WINDOWS FUNDAMENTALS – 3

Aim: To provide an overview of the security features within the windows operating system.

Procedure:

- Introduction
- Windows Updates
- Windows Security
- Virus & Threat Protection
- Firewall & Network Protection
- App & Browser Control
- Device Security
- BitLocker
- Volume Shadow Copy Service
- Conclusion





**Bonus:** If you wish to interact hands-on with VSS, I suggest exploring Day 23 of [Advent of Cyber 2](#).

Answer the questions below

What is VSS?

Volume Shadow Copy Service

✓ Correct Answer

What is **BitLocker**?

Per Microsoft, "*BitLocker Drive Encryption is a data protection feature that integrates with the operating system and addresses the threats of data theft or exposure from lost, stolen, or inappropriately decommissioned computers*".

On devices with TPM installed, BitLocker offers the best protection.

Per Microsoft, "*BitLocker provides the most protection when used with a Trusted Platform Module (TPM) version 1.2 or later. The TPM is a hardware component installed in many newer computers by the computer manufacturers. It works with BitLocker to help protect user data and to ensure that a computer has not been tampered with while the system was offline*".

Refer to the official Microsoft documentation to learn more about BitLocker [here](#).

**Note:** The BitLocker feature is not included in the attached **VM**.

Answer the questions below

We should use a removable drive on systems **without** a TPM version 1.2 or later. What does this removable drive contain?

startup key

✓ Correct Answer

💡 Hint