



Digital Literacy I: Fundamentals

Unit 6 Computer Maintenance and Security

LAB 3 Malware Protection

Objectives

- Check the computer's security settings
- Configure settings for Windows Defender
- Update Windows Defender
- Perform a virus scan using Windows Defender

Equipment Required

- Notebook computer

Introduction

One of the biggest computer threats is malware—software that is harmful to your computer or poses information-security risks. For this reason, it is essential that your PC's operating system is up-to-date and protected by an anti-virus program that can detect and remove malware before serious damage is done.

In this lab, you will review your system's security settings, configure Windows Defender, manually scan your computer for malware, and review detected threats.

In order to perform the lab Procedure, you should know how to:

- Access the Security and Maintenance window
- Modify Windows Defender settings
- Open Windows Defender and run a full scan
- Access Defender's history of detected items





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Procedure

1. Check your system's security settings such as Firewall, Windows Update, and Virus Protection
2. Name the anti-virus and spyware program(s) that are protecting your computer
3. Configure Windows Defender as follows:
 - a. Real-time protection: On
 - b. Cloud-based Protection: Off
 - c. Sample submission: Off
 - d. Ignore JPEG files (jpeg or jpg)
4. Update Windows Defender virus definitions
5. Perform a full scan using Windows Defender
6. View potentially harmful items detected by Window Defender
7. Remove the JPG file exclusion

End





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