

Security Awareness



Days: 1

Prerequisites: Students should understand fundamental computer concepts, such as how to run applications, manage files, and use a web browser.

Audience: This course is intended for end users who use computers at home or in the office.

Course Objectives: You will identify and apply security techniques. Upon successful completion of this course, students will be able to:

- Describe the importance of securing information.
- Identify the different ways to guard yourself against social engineering exploits.
- Describe the security practices related to computers, mobile devices, networks, and the Internet.
- Maintain the security of the files and folders stored on your computing devices.
- Identify and protect information against risks associated with the cyber world.
- Identify potential security incidents, ways to respond in the event of a possible breach, and measures to prevent a security breach.
- Identify methods to keep the cloud and virtualized environments secured.

OUTLINE:

LESSON 1: SECURING INFORMATION

- Examine Information Security
- Implement Physical Security Measures
- Examine Cyber Security

LESSON 2: GUARDING AGAINST SOCIAL ENGINEERING EXPLOITS

- Identify Social Engineering Exploits
- Counteract Social Engineering Exploits
- Evolve Social Engineering Organization Policies

LESSON 3: IDENTIFYING SECURITY MEASURES

- Strengthen Desktop Security
- Strengthen Software Security
- Strengthen Browser Security
- Strengthen Network Security
- Secure Wireless Networks
- Strengthen Mobile Security

LESSON 4: MAINTAINING FILE SYSTEM SECURITY

- Implement File System Security in Windows 7
- Back Up and Restore Data
- Dispose of Data Securely

LESSON 5: GUARDING AGAINST ATTACKS

- Protect a Computer from Security Threats
- Protect Computers from Virus Attacks
- Protect Computers from Social Network Threats

LESSON 6: HANDLING SECURITY BREACHES

- Identify Incidents
- Respond to Incidents

LESSON 7: IDENTIFYING CLOUD COMPUTING AND VIRTUALIZATION SECURITY METHODS

- Fundamentals of Cloud Computing
- Fundamentals of Virtualization

APPENDIX A: SECURITY AND PRIVACY REGULATIONS

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