Preventative Measures and Anti-Virus Software



Units 9 &10 (Book 3)

Let’s discuss!



01 How do people keep their computers safe?

02 Why would a company worry about security?

03 What are some reasons companies would want to restrict access to their private networks?

04 Do you think it's fair for employers to control which websites employees can access at work?




OTTO
Kein Scherz!
1 popup
2 firewall


User: Robert Smith
Event: View File
Location: Shared
Documents Date:
2.15.10:05
3 keylogger
4 audit log
5 patch
20

Vocabulary

3 **Match the words (1-8) with the definitions (A-H).**

1	C popup	4	G audit log	7	A protocol
2	B bug	5	F backdoor	8	D intruder
3	E security	6	H patch		

A set of rules

B error in a program

C unwanted advertisements on a web browser

D someone who accesses a system without permission

E safety of a computer system and its data

F part of a program giving undesired access

G record of who has used a computer and what they've used it for

H code to fix errors in a program





word BANK

authenticate keylogger
attack firewall patch

1 Management has to authenticate the program before you download it.

2 A(n) keylogger will record your password.

3 Without antivirus software, computers are open to a(n) attack.

4 Put up a(n) firewall to keep hackers out of your computer.

5 Download the patch to make the program work correctly.

From: **jared.greene@harper.com**
To: **allstaff@harper.com**

Dear Harper Company Staff,

By now, you are all aware of the recent **security** breach. The IT department has traced it to a **bug** in our browsers. This bug created an unwanted **backdoor** in the network, allowing **intruders** in. They installed **keyloggers** that track our passwords.

The IT department removed the keyloggers, and the software supplier is releasing a **patch** that will fix this error. We will inform you when this patch becomes available.

However, this provides a good opportunity to remind you of the measures we must take to make our network safer.

Remember, you must keep the **firewall** settings as strict as possible on your computer. This prevents **attacks** from hackers and keeps certain types of malware out of the system.

Be cautious when downloading files. Perform a virus scan on every email attachment. Also, enable your browsers to block **popups**. Otherwise, spyware can get on to your computer.

Only download company-approved programs to your computer. Unauthorized programs may contain Trojans that can do irreversible damage to our system. Please consult the IT department for a list of **authenticated** programs.

In addition, we will review our **audit logs** from now on. This is to make sure no one violates security **protocol**. Employees violating protocol will receive disciplinary action.

Jared Greene
Manager,
Harper Company

1 What is the email mainly about?

⇨**A** improving security at the company

B detecting keylogger programs

C installing a patch on a web browser

D punishing employees for violating security protocol

2 The company will monitor employees by ...

A installing spyware.

B performing virus scans.

⇨**C** reviewing the audit logs.

D looking for authenticated programs.

3 What can you infer about Harper Company?

A They have authenticated the patch.

⇨**B** They already have a virus scan program.

C They allow many authenticated programs.

D This is their first security breach.



01

JIG SAW Reading

You need to match the headings working in a group and retell the text



tening

6 **Listen to a conversation between two employees at Harper Company. Mark the following statements as true (T) or false (F).**

1 F The antivirus software is causing the employee's problems.

2 T The browser cannot access any online information.

3 T The employee's firewall settings are too strict.

7 **Listen again and complete the conversation.**

Employee 1: None of my programs have online access.

Employee 2: What about 1 _____ _____?

Employee 1: The browser opens, but I can't access any websites. Most importantly, I can't use the email client.

Employee 2: That's a big problem.

Employee 1: I know. I think 2 _____ _____ _____ _____.

Employee 2: Are you sure? The company's 3 _____ _____ _____ is pretty powerful.

Employee 1: I know, and 4 _____ _____ _____ _____ _____.

Employee 2: Oh, the firewall. How high are your settings?

Employee 1: 5 _____ _____ _____ _____.

Employee 2: 6 _____ _____ _____. You need to lower the level if you want your programs to work.

1. What anti-virus software should a user consider buying?
2. Are there any problems with anti-virus software?




Unsafe
Use with caution
Safe
1 web page analysis
Rapid Clean
Rapid Clean
Security Software
QUARANTINE
2 quarantine
3 cyber criminal
Anti-Virus Plus
Defender
4 anti-virus software


5 backup
This site has been blocked because it may be a security risk. Do you wish to continue?
YES
NO
6 block


CAREER
PATHS

Web Advisor

People who want to protect their children from the dangers of the Internet use *WebAdvisor*. This software **blocks** the types of websites that you decide are unsafe. It also provides instant **web page analysis**, helping you avoid phishing and pharming scams.

Anti-Virus Plus with RapidClean

Anti-Virus Plus is an update of our first product, *Anti-Virus*. This **anti-virus software sweeps** your computer system to **detect** viruses. All viruses are then **quarantined** so they cannot harm your computer. It's the most reliable software on the market, providing fewer **false positives** and **false negatives** than any other software.

RapidClean is a **virus removal software** that destroys the malicious software discovered by *Anti-Virus Plus*. This includes **rootkit** viruses. These viruses are designed to disguise themselves as a part of your computer's operating system. This makes them very difficult to get rid of. Most security software won't destroy rootkits but, with *RapidClean*, you can.

Defender

Defender is the ultimate **security software**. A combination of both of our software packages, *Defender* keeps your computer completely safe from **cyber criminals**. *Defender* also comes with our computer **backup** service. This means that the data on your computer's hard drive will be backed up on our company's servers. With *Defender*, you cannot lose your files.



1 What is the advertisement mostly about?

A damage that rootkits can cause
B kinds of web page analysis
C types of security software
D how to prevent false negatives

2 Which of the following is intended to block unsafe Internet pages?

A *Anti-Virus*
B *RapidClean*
C *WebAdvisor*
D *Anti-Virus Plus*

3 What can be inferred about false negatives and false positives?

A They aid virus detection.
B They disrupt web page analysis.
C They mark the presence of a virus.
D They occur in most anti-virus programs.



Vocabulary

3 Match the words (1-9) with the definitions (A-I).

1 D backup
2 H rootkit
3 B block
4 I sweep
5 C quarantine
6 E false positive
7 F false negative
8 A cyber criminal
9 G web page analysis

A a person who commits illegal acts online
B to stop a file from being downloaded
C to isolate a file
D to save all information on a system
E labeling a safe file as dangerous
F labeling a dangerous file as safe
G a service that checks websites for safety
H a virus that hides itself as part of an OS
I to search a system for viruses



4 **Check (✓) the sentence that uses the underlined parts correctly.**

1 ☆ A Security software protects computers.

__ B Virus removal software infects email.

2 ☆ A Anti-virus software detects viruses.

__ B Phishing is malicious software.

3 __ A A rootkit notifies users of scams.

☆ B Virus removal software keeps computers clean.

4 ☆ A It is wise to use anti-virus software.

__ B Web page analysis detects false positives.





ning

6 **Listen to a conversation between a caller and an employee. Mark the statements as true (T) or false (F).**

1 F The caller lost money in a scam.

2 T The woman recommends software that provides web page analysis.

3 F The Anti-Virus Plus program comes with a backup service.

7 **Listen again and complete the conversation.**

Caller: Well, I almost fell for a **1** _____ scam last week, so I'm worried about that.

Employee: Our WebAdvisor software can help you there. It performs **2** _____ _____ _____ for all the websites you visit.

Caller: Okay. Will it **3** _____ _____ _____ from viruses, too?

Employee: No, it won't. You'd need Anti-Virus Plus with RapidClean for that.

Caller: So I have to buy **4** _____ _____ _____?

Employee: Actually, our Defender software combines those **5** _____ _____ _____ _____.

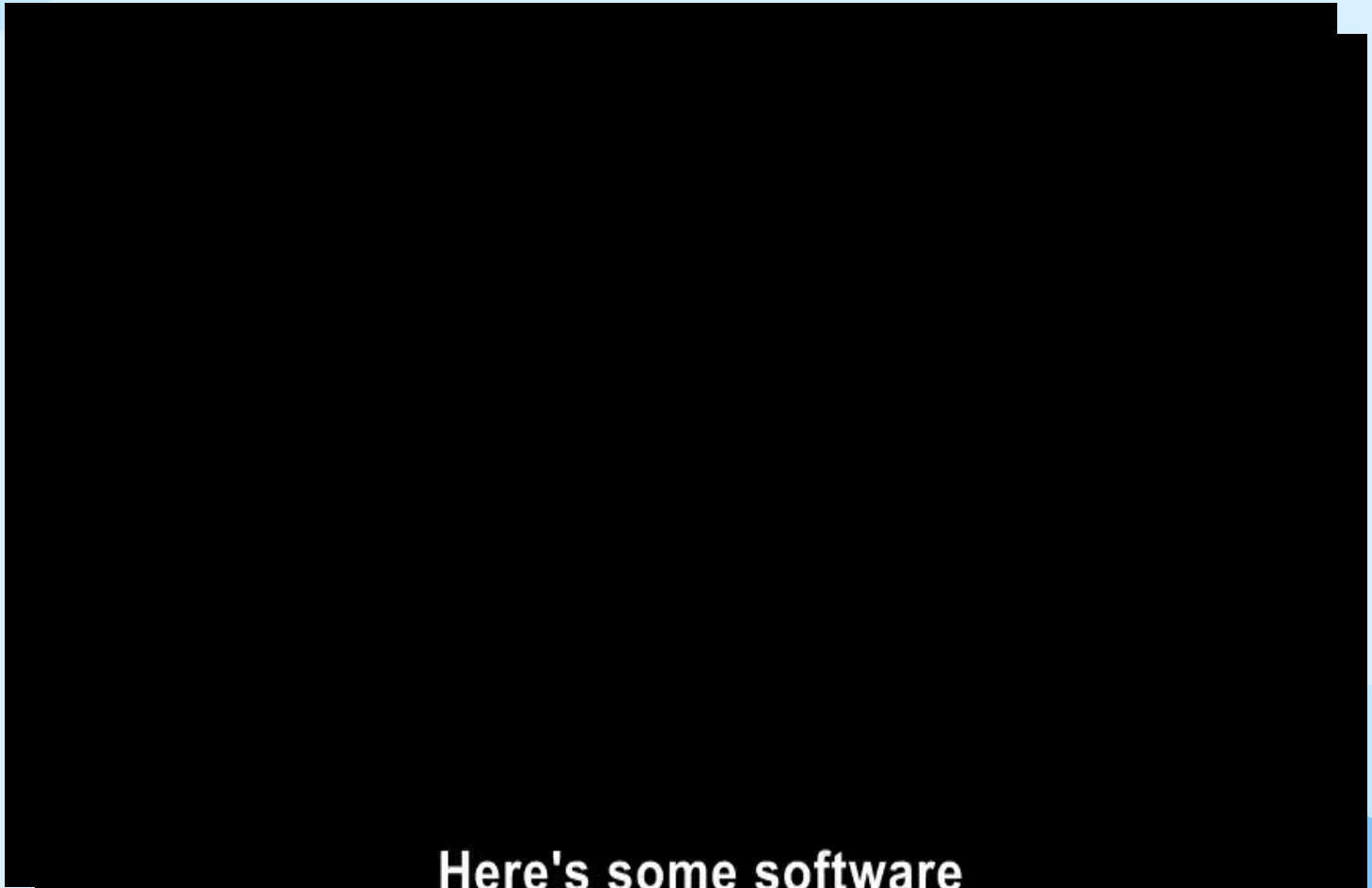
Writing

9 You are an anti-virus software company employee. Use the advertisement and the conversation from Task 8 to write out suggestions for a potential customer (120-150 words). Talk about:

- *Which types of software are available*
- *Which software you would recommend*
- *Why that particular type of software would be helpful*



Home assignment



THANKS!

Do you have any questions?






A PICTURE IS WORTH A
THOUSAND WORDS