Securing Information System:
1. Facebook, 2. European Network and Information Security Agency (ENISA) (Chap. 8)

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Chap. 8
Securing Information System:
1. Facebook: You’re on Facebook? Watch out!
2. Information Security Threats and Policies in Europe: European Network and Information Security Agency (ENISA)
Case Study 1:
1. Facebook:
You’re on Facebook? Watch out! (Chap. 8)
Case Study 2:
European Network and Information Security Agency (ENISA) : Information Security Threats and Policies in Europe (Chap. 8)

1. What is a botnet?
2. Describe some of the main points of the Digital Agenda for Europe.
3. Explain how a cyber attack could be carried out.
4. Describe some of the weaknesses exploited by malware.
You’re on Facebook? Watch Out!

• Facebook – world’s largest social network
• Problem – Identity theft and malicious software
  – Examples:
    • 2009 18-month hacker scam for passwords, resulted in Trojan horse download that stole financial data
    • Dec 2008 Koobface worm
    • May 2010 Spam campaigned aimed at stealing logins
• Illustrates: Types of security attacks facing consumers
• Demonstrates: Ubiquity of hacking, malicious software

CONTEMPORARY SECURITY CHALLENGES AND VULNERABILITIES

Client (User)  Communications Lines  Corporate Servers  Corporate Systems

- Unauthorized access
- Errors
- Tapping
- Sniffing
- Message alteration
- Theft and fraud
- Radiation
- Hacking
- Viruses and worms
- Theft and fraud
- Vandalism
- Denial-of-service attacks

Databases

Hardware Operating Systems Software

- Theft of data
- Copying data
- Alteration of data
- Hardware failure
- Software failure

WI-FI SECURITY CHALLENGES
A CORPORATE FIREWALL

PUBLIC KEY ENCRYPTION

DIGITAL CERTIFICATES

Institution/individual subject

Request certificate

Internet

Certificate received

Digital Certificate Serial Number
Version
Issuer Name
Issuance/Expiration Date
Subject Name
Subject Public Key
CA Signature
Other Information

Certification Authorities (CAs)

Transaction partner: online merchant or customer

資訊管理個案
(Case Study for Information Management)

1. 請同學於資訊管理個案討論前
   應詳細研讀個案，並思考個案研究問題。

2. 請同學於上課前複習相關資訊管理相關
   理論，以作為個案分析及擬定管理對策的
   依據。

3. 請同學於上課前
   先繳交個案研究問題書面報告。
References


– 周宣光 譯 (2011)，資訊管理系統－管理數位化公司，第12版，東華書局