Cryptography and Security

2006 – 2007

Survey n° 2

Name:

1. The technique called phishing is usually used to:

   ☒ obtain passwords.   ☐ listen to network events.
   ☐ propagate a worm.   ☐ infect a computer.

2. The mail server of the EPFL is well configured. This implies that:

   ☐ only machines within the EPFL can connect to the server.
   ☒ only emails intended for addresses in the domain @epfl.ch will be relayed.
   ☐ forged emails will not be relayed.
   ☒ only persons within the EPFL can use it to send spam outside EPFL.

3. A malicious program which starts by trying to infect 254 other machines by exploiting a buffer overflow in a service of Windows XP and then erases all the content of your hard drives is:

   ☐ a virus.   ☒ a worm.   ☐ a Trojan horse.   ☐ a backdoor.

4. Which of these is neither a virus nor a worm:

   ☐ Melissa.   ☒ Mafiaboy.   ☐ SQL-Slammer.   ☐ SirCam.

5. A Distributed Denial of Service is called Distributed because:

   ☐ it attacks several services on a server.   ☐ it spreads like a worm.
   ☒ it uses several machines for the attack.   ☐ it attacks several servers.

6. Tick the *true* assertion about Botnets.

   □ The EPFL owns a Botnet of 1024 machines.
   ☒ Botnets are often used to send spam.
   □ Botnets are never composed of more than ten machines.
   □ Kevin Mitnick was arrested for creating the first Botnet.

7. Tick the *false* assertion. Buffer overflows...

   ☒ ...can't be avoided.   □ ...were exploited by MSBlaster.
   □ ...sometimes involve the stack.   □ ...happen in the computer memory.

8. Tick the *false* assertion. Syn flooding...

   □ ...is a Denial of Service.
   □ ...is more effective on older operating systems.
   ☒ ...uses broadcast addresses.
   □ ...can easily be made anonymous.

9. Tick the *false* assertion. Smurf...

   □ ...is a Denial of Service.
   ☒ ...is more effective on older operating systems.
   □ ...uses broadcast addresses.
   □ ...can easily be made anonymous.

10. Cross-Site Scripting *can not* be used for:

   □ stealing cookies.   ☒ installing a backdoor on the server.
   □ phishing.   □ session redirection.