Eccouncil

312-50 Exam

Certified Ethical Hacker Exam (C|EH v10) Exam

Questions & Answers
Demo

Version: 11.0

Question: 1

Email is transmitted across the Internet using the Simple Mail Transport Protocol. SMTP does not encrypt email, leaving the information in the message vulnerable to being read by an unauthorized person. SMTP can upgrade a connection between two mail servers to use TLS. Email transmitted by SMTP over TLS is encrypted. What is the name of the command used by SMTP to transmit email over TLS?

A. OPPORTUNISTICTLS STARTTLS
B. FORCETLS
C. UPGRADETLS

Answer: B

Question: 2

Developers at your company are creating a web application which will be available for use by anyone on the Internet, The developers have taken the approach of implementing a Three-Tier Architecture for the web application. The developers are now asking you which network should the Presentation Tier (front-end web server) be placed in?

A. isolated vlan network
B. Mesh network
C. DMZ network
D. Internal network

Answer: A

Question: 3

Your business has decided to add credit card numbers to the data it backs up to tape. Which of the following represents the best practice your business should observe?

A. Hire a security consultant to provide direction.
B. Do not back up cither the credit card numbers or then hashes.
C. Back up the hashes of the credit card numbers not the actual credit card numbers.
D. Encrypt backup tapes that are sent off-site.

Answer: A

Question: 4

What is the main security service a cryptographic hash provides?

A. Integrity and ease of computation
B. Message authentication and collision resistance
C. Integrity and collision resistance
D. Integrity and computational in-feasibility

Answer: D

Question: 5

A pen tester is configuring a Windows laptop for a test. In setting up Wireshark, what river and library are required to allow the NIC to work in promiscuous mode?

A. Libpcap
B. Awinpcap
C. Winprom
D. Winpcap

Answer: D

Question: 6

What is one of the advantages of using both symmetric and asymmetric cryptography in SSL/TLS?

A. Symmetric algorithms such as AES provide a failsafe when asymmetric methods fail.
B. Asymmetric cryptography is computationally expensive in comparison. However, it is well-suited to securely negotiate keys for use with symmetric cryptography.
C. Symmetric encryption allows the server to securely transmit the session keys out-of-band.
D. Supporting both types of algorithms allows less-powerful devices such as mobile phones to use symmetric encryption instead.

Answer: D

Question: 7

When a security analyst prepares for the formal security assessment - what of the following should be done in order to determine inconsistencies in the secure assets database and verify that system is compliant to the minimum security baseline?

A. Data items and vulnerability scanning
B. Interviewing employees and network engineers
C. Reviewing the firewalls configuration
D. Source code review

Answer: A

Question: 8

From the following table, identify the wrong answer in terms of Range (ft).

Standard	Range (ft)
802.11a	150-150
802.11b	150-150
802.11g	150-150
802.16(WiMax)	30 miles

A. 802.11b
B. 802.11g
C. 802.16(WiMax)
D. 802.11a

Answer: D

Question: 9

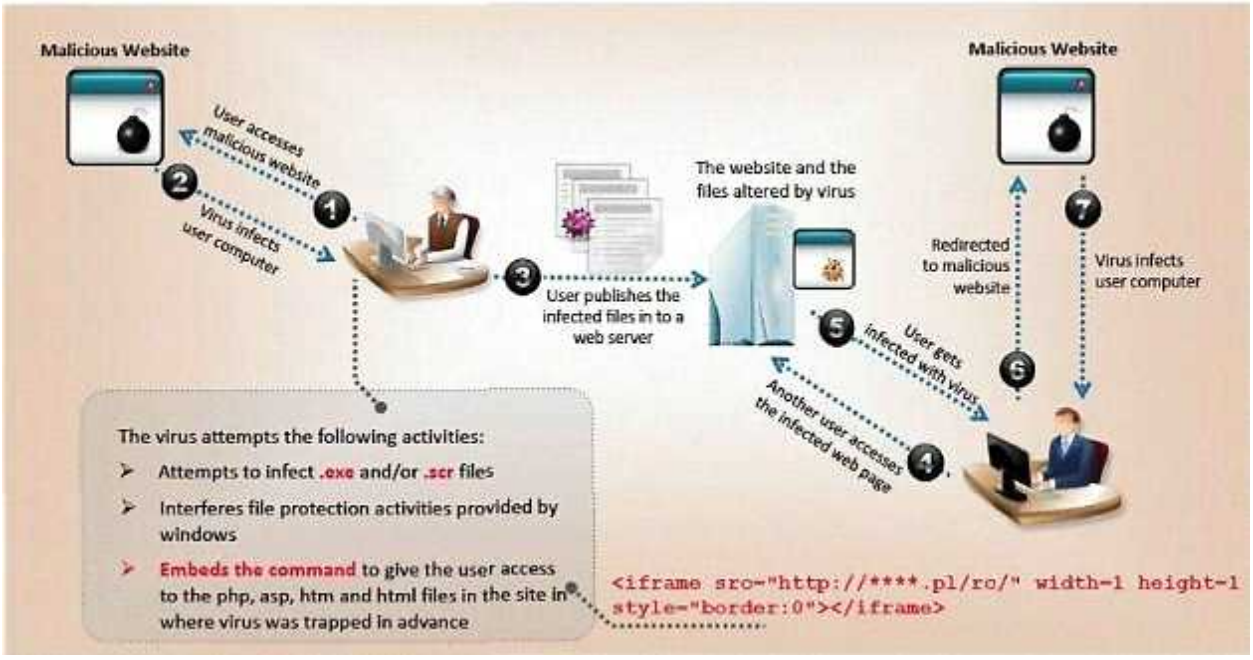
These hackers have limited or no training and know how to use only basic techniques or tools.
What kind of hackers are we talking about?

A. Black-Hat Hackers A
B. Script Kiddies
C. White-Hat Hackers
D. Gray-Hat Hacker

Answer: C

Question: 10

ViruXine.W32 virus hides their presence by changing the underlying executable code.
This Virus code mutates while keeping the original algorithm intact, the code changes itself each time it runs, but the function of the code (its semantics) will not change at all.



Here is a section of the Virus code:

```
1.  lots of encrypted code
2.  ...
3.  Decryption_Code:
4.  C=C+1
5.  A=Encrypted
6.  Loop:
7.  B=*A
8.  C=3214*A
9.  B=B XOR CryptoKey
10. *A=B
11. C=1
12. C=A+B
13. A=A+1
14. GOTO Loop IF NOT A=Decryption_Code
15. C=C^2
16. GOTO Encrypted
17. CryptoKey:
18. some_random_number
```

What is this technique called?

A. Polymorphic Virus
B. Metamorphic Virus
C. Dravidic Virus
D. Stealth Virus

Answer: A