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QUESTION 1

Clark is a professional hacker. He created and configured multiple domains pointing to the same host to switch quickly between the domains and avoid detection. Identify the behavior of the adversary In the above scenario.

A. use of command-line interface

B. Data staging

C. Unspecified proxy activities

D. Use of DNS tunneling

Correct Answer: C

A proxy server acts as a gateway between you and therefore the internet. It\\'s an intermediary server separating end users from the websites they browse. Proxy servers provide varying levels of functionality, security, and privacy counting on your use case, needs, or company policy.If you\\'re employing a proxy server, internet traffic flows through the proxy server on its thanks to the address you requested. A proxy server is essentially a computer on the web with its own IP address that your computer knows. once you send an internet request, your request goes to the proxy server first. The proxy server then makes your web request on your behalf, collects the response from the online server, and forwards you the online page data so you\\'ll see the page in your browser.

QUESTION 2

John is investigating web-application firewall logs and observers that someone is attempting to inject the following:

char buff[10]; buff[>o] - \\'a\\':

What type of attack is this?

A. CSRF

B. XSS

C. Buffer overflow

D. SQL injection

Correct Answer: C

Buffer overflow this attack is an anomaly that happens when software writing data to a buffer overflows the buffer\\'s capacity, leading to adjacent memory locations being overwritten. In other words, an excessive amount of information is being passed into a container that doesn\\'t have enough space, which information finishes up replacing data in adjacent containers.Buffer overflows are often exploited by attackers with a goal of modifying a computer\\'s memory so as to undermine or take hold of program execution.
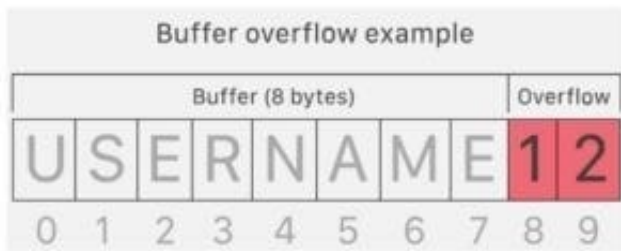
![Pass2Lead](https://Pass2Lead.com)
What\'s a buffer?A buffer, or data buffer, is a neighborhood of physical memory storage wont to temporarily store data while it\'s being moved from one place to a different . These buffers typically sleep in RAM memory. Computers frequently use buffers to assist improve performance; latest hard drives cash in of buffering to efficiently access data, and lots of online services also use buffers. for instance , buffers are frequently utilized in online video streaming to stop interruption. When a video is streamed, the video player downloads and stores perhaps 20% of the video at a time during a buffer then streams from that buffer. This way, minor drops in connection speed or quick service disruptions won\'t affect the video stream performance.Buffers are designed to contain specific amounts of knowledge . Unless the program utilizing the buffer has built-in instructions to discard data when an excessive amount of is shipped to the buffer, the program will overwrite data in memory adjacent to the buffer.Buffer overflows are often exploited by attackers to corrupt software. Despite being well-understood, buffer overflow attacks are still a serious security problem that torment cyber-security teams. In 2014 a threat referred to as `heartbleed\' exposed many many users to attack due to a buffer overflow vulnerability in SSL software. How do attackers exploit buffer overflows?An attacker can deliberately feed a carefully crafted input into a program which will cause the program to undertake and store that input during a buffer that isn\'t large enough, overwriting portions of memory connected to the buffer space. If the memory layout of the program is well-defined, the attacker can deliberately overwrite areas known to contain executable code. The attacker can then replace this code together with his own executable code, which may drastically change how the program is meant to figure .For example if the overwritten part in memory contains a pointer (an object that points to a different place in memory) the attacker\'s code could replace that code with another pointer that points to an exploit payload. this will transfer control of the entire program over to theattacker\'s code.

QUESTION 3

Which of the following Metasploit post-exploitation modules can be used to escalate privileges on Windows systems?

A. getsystem

B. getuid

C. keylogrecorder

D. autoroute

Correct Answer: A

QUESTION 4

Thomas, a cloud security professional, is performing security assessment on cloud services to identify any loopholes. He detects a vulnerability in a bare-metal cloud server that can enable hackers to implant malicious backdoors in its firmware. He also identified that an installed backdoor can persist even if the server is reallocated to new clients or businesses that use it as an IaaS.

What is the type of cloud attack that can be performed by exploiting the vulnerability discussed in the above scenario?

![Pass2Lead](https://Pass2Lead.com)
A. Man-in-the-cloud (MITC) attack

B. Cloud cryptojacking

C. Cloudborne attack

D. Metadata spoofing attack

Correct Answer: C

QUESTION 5

Jude, a pen tester, examined a network from a hacker\\'s perspective to identify exploits and vulnerabilities accessible to the outside world by using devices such as firewalls, routers, and servers. In this process, he also estimated the threat of network security attacks and determined the level of security of the corporate network.

What is the type of vulnerability assessment that Jude performed on the organization?

A. External assessment

B. Passive assessment

C. Host-based assessment

D. Application assessment

Correct Answer: A

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