PT0-002Q&As

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QUESTION 1

CORRECT TEXT SIMULATION Using the output, identify potential attack vectors that should be further investigated.

Weak Apache Tomcat Credentials

Null session enumeration

Weak SMB file permissions

Webdav file upload

ARP spoofing

SNMP enumeration

Fragmentation attack

FTP anonymous login

NMAP Scan Output

```
Host is up (0.00079s latency).
Not shown: 96 closed ports
PORT STATS SERVICE VERSION
88/tcp open kerberos-sec?
139/tcp open netbios-ssn
389/tcp open ldap?
445/tcp open microsoft-ds?
MAC Address: 08:00:27:81:B1:DF (Oracle VirtualBox virtual NIC)
Device type: general purpose
Running: Linux 2.4.X
OS CPE: cpe:/o:linux_kernel:2.4.21
OS details: Linux 2.4.21
Network Distance: 1 hop

OS and Service detection performed. Please report any incorrect results at https://nmap.org/submit/.
# Scan done at Fri Oct 13 10:03:06 2017 - 1 IP address (1 host up) scanned in 26.80 seconds
```

-Pn

-sV

-p 1-1023

192.168.2.1-100

nmap

nc

--top-ports=100

--top-ports=1000

hping

-sL

-sU

-O

192.168.2.2

NMAP Scan Output

```
Host is up (0.00079s latency).
Not shown: 96 closed ports
PORT STATS SERVICE VERSION
88/tcp open kerberos-sec?
139/tcp open netbios-ssn
389/tcp open ldap?
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OS and Service detection performed. Please report any incorrect results at https://nmap.org/submit/.
# Scan done at Fri Oct 13 10:03:06 2017 - 1 IP address (1 host up) scanned in 26.80 seconds
```

ports – [21, 22]

{:ports => 21:ports => 22}

#!/usr/bin/python

```
for $PORT in $PORTS:
        try:
            s.connect((ip, port))
            print("%s:%s – OPEN" % (ip, port))

        except socket.timeout
            print("%s:%s – TIMEOUT" % (ip, port))

        except socket.error as e
            print("%s:%s – CLOSED" % (ip, port))

        finally:
            s.close()
```

export $PORTS = 21,22

#!/usr/bin/ruby

#!/usr/bin/bash

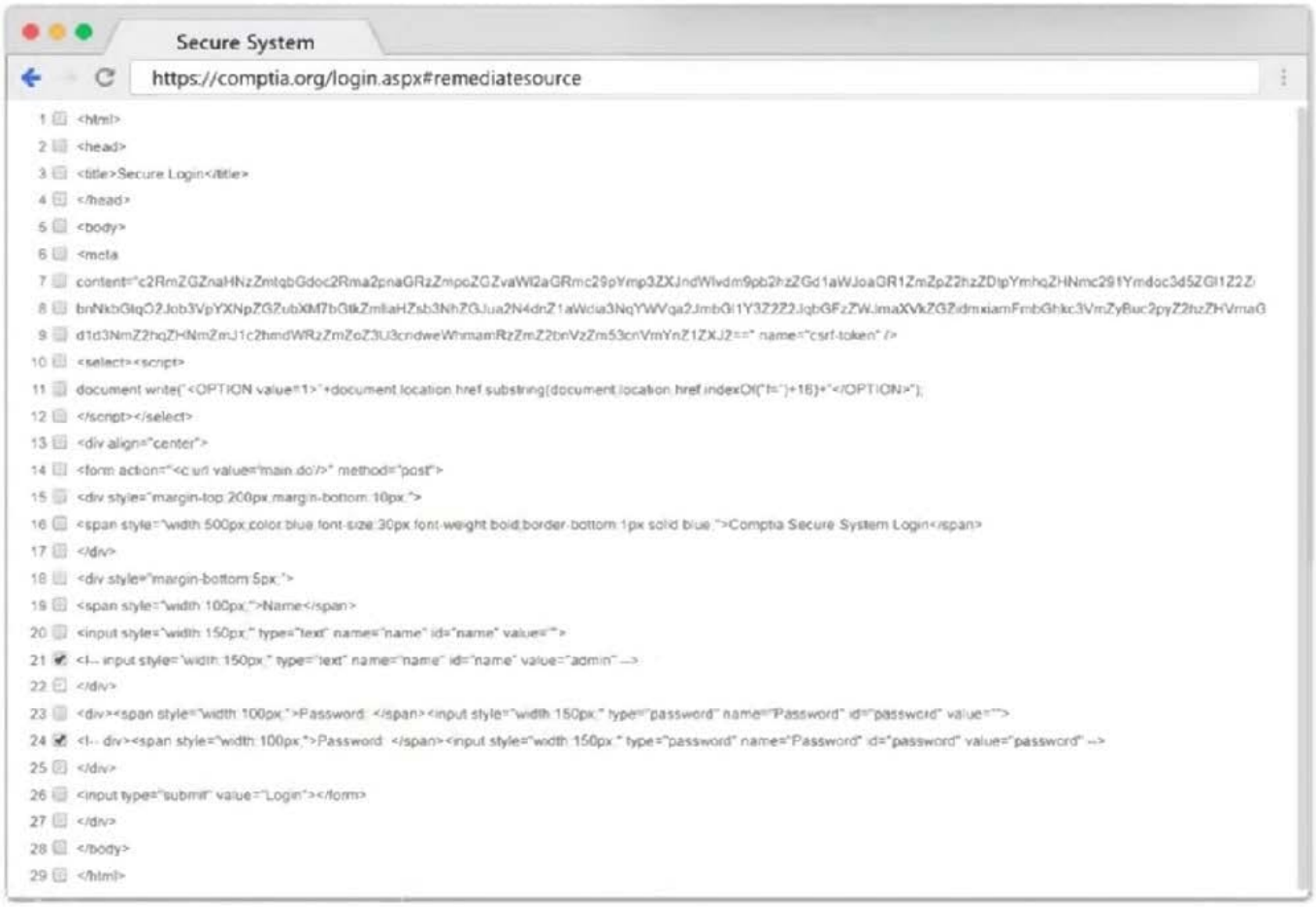
for port in ports:

Immutables

```
import socket
import sys

def port_scan(ip, ports):
    s = socket.socket(socket.AF_INET, socket.SOCK_STREAM)
    s.settimeout(2.0)

if __name__ == '__main__':
    if len(sys.argv) < 2
        print('Execution requires a target IP address. Exiting...')
        exit(1)
    else:
```



Correct Answer: Answer: See explanation below.

1: Null session enumeration

Weak SMB file permissions

Fragmentation attack

2: nmap

-sV

-p 1-1023

192.168.2.2

3: #!/usr/bin/python

export $PORTS = 21,22

for $PORT in $PORTS:

try:

s.connect((ip, port))

print("%s:%s ?OPEN" % (ip, port))

except socket.timeout

print("%:%s ?TIMEOUT" % (ip, port))

except socket.error as e:

print("%:%s ?CLOSED" % (ip, port))

finally

s.close()

port_scan(sys.argv[1], ports)

QUESTION 2

Which of the following describes the reason why a penetration tester would run the command sdelete mimikatz. * on a Windows server that the tester compromised?

A. To remove hash-cracking registry entries

B. To remove the tester-created Mimikatz account

C. To remove tools from the server

D. To remove a reverse shell from the system

Correct Answer: B

QUESTION 3

A penetration tester needs to perform a test on a finance system that is PCI DSS v3.2.1 compliant. Which of the following is the MINIMUM frequency to complete the scan of the system?

A. Weekly

B. Monthly

C. Quarterly

D. Annually

Correct Answer: C

https://www.pcicomplianceguide.org/faq/#25

PCI DSS requires quarterly vulnerability/penetration tests, not weekly.

QUESTION 4

A penetration tester gains access to a system and is able to migrate to a user process:

```
net use S: \\192.168.5.51\C$\temp /persistent no
copy c:\temp\hack.exe S:\temp\hack.exe
wmic.exe /node: "192.168.5.51" process call create "C:\temp\hack.exe"
```

Given the output above, which of the following actions is the penetration tester performing? (Choose two.)

A. Redirecting output from a file to a remote system

B. Building a scheduled task for execution

C. Mapping a share to a remote system

D. Executing a file on the remote system

E. Creating a new process on all domain systems

F. Setting up a reverse shell from a remote system

G. Adding an additional IP address on the compromised system

Correct Answer: CD

WMIC.exe is a built-in Microsoft program that allows command-line access to the Windows Management Instrumentation. Using this tool, administrators can query the operating system for detailed information about installed hardware and Windows settings, run management tasks, and even execute other programs or commands.

QUESTION 5

A company is concerned that its cloud VM is vulnerable to a cyberattack and proprietary data may be stolen. A penetration tester determines a vulnerability does exist and exploits the vulnerability by adding a fake VM instance to the IaaS component of the client\\'s VM.

Which of the following cloud attacks did the penetration tester MOST likely implement?

A. Direct-to-origin

B. Cross-site scripting

C. Malware injection

D. Credential harvesting

Correct Answer: D