CompTIA

Exam Questions CS0-002

CompTIA Cybersecurity Analyst (CySA+) Certification Exam

NEW QUESTION 1
A cybersecurity analyst is supposing an incident response effort via threat intelligence. Which of the following is the analyst MOST likely executing?

A. Requirements analysis and collection planning
B. Containment and eradication
C. Recovery and post-incident review
D. Indicator enrichment and research pivoting

Answer: D

NEW QUESTION 2
A cybersecurity analyst is reading a daily intelligence digest of new vulnerabilities The type of vulnerability that should be disseminated FIRST is one that:

A. enables remote code execution that is being exploited in the wild.
B. enables data leakage but is not known to be m the environment
C. enables lateral movement and was reported as a proof of concept
D. affected the organization in the past but was probably contained and eradicated

Answer: C

NEW QUESTION 3
A security analyst needs to reduce the overall attack surface.
Which of the following infrastructure changes should the analyst recommend?

A. Implement a honeypot.
B. Air gap sensitive systems.
C. Increase the network segmentation.
D. Implement a cloud-based architecture.

Answer: C

NEW QUESTION 4
During routine monitoring, a security analyst discovers several suspicious websites that are communicating with a local host. The analyst queries for IP 192.168.50.2 for a 24-hour period:

Time	SRC	DST	Domain	Bytes
6/26/19 10:01	192.168.50.2	138.10.2.5	www.wioapsfeje.co	50
6/26/19 11:05	192.168.50.2	138.10.2.5	www.wioapsfeje.co	1000
6/26/19 13:09	192.168.50.2	138.10.25.5	www.wfaojsjfjoe.co	1000
6/26/19 15:13	192.168.50.2	172.10.25.5	www.wfalksdjflse.co	1000
6/26/19 17:17	192.168.50.2	172.10.45.5	www.wsahlfsdjlfe.co	1000
6/26/19 23:45	192.168.50.2	172.10.3.5	ftp.walksdjgfl.co	50000
6/27/19 10:21	192.168.50.2	175.35.20.5	www.whatsmyip.com	25
6/27/19 11:25	192.168.50.2	175.35.20.5	www.whatsmyip.com	25

To further investigate, the analyst should request PCAP for SRC 192.168.50.2 and.

A. DST 138.10.2.5.
B. DST 138.10.25.5.
C. DST 172.10.3.5.
D. DST 172.10.45.5.
E. DST 175.35.20.5.

Answer: A

NEW QUESTION 5
The inability to do remote updates of certificates. keys software and firmware is a security issue commonly associated with:

A. web servers on private networks.
B. HVAC control systems
C. smartphones
D. firewalls and UTM devices

Answer: B

NEW QUESTION 6
An organization developed a comprehensive modern response policy Executive management approved the policy and its associated procedures. Which of the following activities would be MOST beneficial to evaluate personnel's familiarity with incident response procedures?

A. A simulated breach scenario evolving the incident response team
B. Completion of annual information security awareness training by ail employees
C. Tabtetop activities involving business continuity team members
D. Completion of lessons-learned documentation by the computer security incident response team
E. External and internal penetration testing by a third party

Answer: A

NEW QUESTION 7
A security analyst has discovered suspicious traffic and determined a host is connecting to a known malicious website. The MOST appropriate action for the analyst to take would be lo implement a change request to:

A. update the antivirus software
B. configure the firewall to block traffic to the domain
C. add the domain to the blacklist
D. create an IPS signature for the domain

Answer: B

NEW QUESTION 8
A human resources employee sends out a mass email to all employees that contains their personnel records. A security analyst is called in to address the concern of the human resources director on how to prevent this from happening in the future.
Which of the following would be the BEST solution to recommend to the director?

A. Install a data loss prevention system, and train human resources employees on its us
B. Provide PII training to all employees at the compan
C. Encrypt PII information.
D. Enforce encryption on all emails sent within the compan
E. Create a PII program and policy on how to handle dat
F. Train all human resources employees.
G. Train all employee
H. Encrypt data sent on the company networ
I. Bring in privacy personnel to present a plan on how PII should be handled.
J. Install specific equipment to create a human resources policy that protects PII dat
K. Train company employees on how to handle PII dat
L. Outsource all PII to another compan
M. Send the human resources director to training for PII handling.

Answer: A

NEW QUESTION 9
An analyst is reviewing a list of vulnerabilities, which were reported from a recent vulnerability scan of a Linux server.
Which of the following is MOST likely to be a false positive?

A. OpenSSH/OpenSSL Package Random Number Generator Weakness
B. Apache HTTP Server Byte Range DoS
C. GDI+ Remote Code Execution Vulnerability (MS08-052)
D. HTTP TRACE / TRACK Methods Allowed (002-1208)
E. SSL Certificate Expiry

Answer: E

NEW QUESTION 10
A security analyst received an email with the following key: Xj3XJ3LLc
A second security analyst received an email with following key: 3XJ3xjcLLC
The security manager has informed the two analysts that the email they received is a key that allows access to the company's financial segment for maintenance.
This is an example of:

A. dual control
B. private key encryption
C. separation of duties
D. public key encryption
E. two-factor authentication

Answer: A

NEW QUESTION 10
An organization developed a comprehensive incident response policy. Executive management approved the policy and its associated procedures. Which of the following activities would be MOST beneficial to evaluate personnel's familiarity with incident response procedures?

A. A simulated breach scenario involving the incident response team
B. Completion of annual information security awareness training by all employees
C. Tabletop activities involving business continuity team members
D. Completion of lessons-learned documentation by the computer security incident response team
E. External and internal penetration testing by a third party

Answer: A

NEW QUESTION 15

You are a cybersecurity analyst tasked with interpreting scan data from Company A's servers. You must verify the requirements are being met for all of the servers and recommend changes if you find they are not.

The company's hardening guidelines indicate the following:

• TLS 1.2 is the only version of TLS running.
• Apache 2.4.18 or greater should be used.
• Only default ports should be used. INSTRUCTIONS

Using the supplied data, record the status of compliance with the company's guidelines for each server.

The question contains two parts: make sure you complete Part 1 and Part 2. Make recommendations for issues based ONLY on the hardening guidelines provided.

Part 1

Scan Data

AppServ1 AppServ2 AppServ3 AppServ4

```
root@INFOSEC:~# curl --head appsrv1.fictionalorg.com:443

HTTP/1.1 200 OK
Date: Wed, 26 Jun 2019 21:15:15 GMT
Server: Apache/2.4.48 (CentOS)
Last-Modified: Wed, 26 Jun 2019 21:10:22 GMT
ETag: "13520-58c407930177d"
Accept-Ranges: bytes
Content-Length: 79136
Vary: Accept-Encoding
Cache-Control: max-age=3600
Expires: Wed, 26 Jun 2019 22:15:15 GMT
Content-Type: text/html

root@INFOSEC:~# nmap --script ssl-enum-ciphers
appsrv1.fictionalorg.com -p 443

Starting Nmap 6.40 ( http://nmap.org ) at 2019-06-26 16:07 CDT

Nmap scan report for AppSrv1.fictionalorg.com (10.21.4.68)
Host is up (0.042s latency).
rDNS record for 10.21.4.68: inaddrArpa.fictionalorg.com
PORT    STATE SERVICE
443/tcp open  https
| ssl-enum-ciphers:
|   TLSv1.2:
|    ciphers:
|       TLS_RSA_WITH_3DES_EDE_CBC_SHA - strong
|       TLS_RSA_WITH_AES_128_CBC_SHA - strong
|       TLS_RSA_WITH_AES_128_GCM_SHA256 - strong
|       TLS_RSA_WITH_AES_256_CBC_SHA - strong
|       TLS_RSA_WITH_AES_256_GCM_SHA384 - strong
|    compressors:
|       NULL
|_  least strength: strong

Nmap done: 1 IP address (1 host up) scanned in 8.63 seconds


root@INFOSEC:~# nmap --top-ports 10 appsrv1.fictionalorg.com

Starting Nmap 6.40 ( http://nmap.org ) at 2019-06-27 10:13 CDT

Nmap scan report for appsrv1.fictionalorg.com (10.21.4.68)
Host is up (0.15s latency).
rDNS record for 10.21.4.68: appsrv1.fictionalorg.com
PORT    STATE SERVICE
80/tcp  open  http
443/tcp open  https

Nmap done: 1 IP address (1 host up) scanned in 0.42 seconds
```

Compliance Report

Fill out the following report based on your analysis of the scan data.

- [ ] AppServ1 is only using TLS 1.2
- [ ] AppServ2 is only using TLS 1.2
- [ ] AppServ3 is only using TLS 1.2
- [ ] AppServ4 is only using TLS 1.2
- [ ] AppServ1 is using Apache 2.4.18 or greater
- [ ] AppServ2 is using Apache 2.4.18 or greater
- [ ] AppServ3 is using Apache 2.4.18 or greater
- [ ] AppServ4 is using Apache 2.4.18 or greater

Part 1

Scan Data

AppServ1 AppServ2 AppServ3 AppServ4

```
root@INFOSEC:~# curl --head appsrv2.fictionalorg.com:443

HTTP/1.1 200 OK
Date: Wed, 26 Jun 2019 21:15:15 GMT
Server: Apache/2.3.48 (CentOS)
Last-Modified: Wed, 26 Jun 2019 21:10:22 GMT
ETag: "13520-58c407930177d"
Accept-Ranges: bytes
Content-Length: 79136
Vary: Accept-Encoding
Cache-Control: max-age=3600
Expires: Wed, 26 Jun 2019 22:15:15 GMT
Content-Type: text/html

root@INFOSEC:~# nmap --script ssl-enum-ciphers
appsrv2.fictionalorg.com -p 443

Starting Nmap 6.40 ( http://nmap.org ) at 2019-06-26 16:07 CDT

Nmap scan report for AppSrv2.fictionalorg.com (10.21.4.69)
Host is up (0.042s latency).
rDNS record for 10.21.4.69: inaddrArpa.fictionalorg.com
Not shown: 998 filtered ports
PORT    STATE SERVICE
80/tcp  open  http
443/tcp open  https
| ssl-enum-ciphers:
|   TLSv1.0:
|     ciphers:
|       TLS_RSA_WITH_3DES_EDE_CBC_SHA - strong
|       TLS_RSA_WITH_AES_128_CBC_SHA - strong
|       TLS_RSA_WITH_AES_256_CBC_SHA - strong
|     compressors:
|       NULL
|   TLSv1.1:
|     ciphers:
|       TLS_RSA_WITH_3DES_EDE_CBC_SHA - strong
|       TLS_RSA_WITH_AES_128_CBC_SHA - strong
|       TLS_RSA_WITH_AES_256_CBC_SHA - strong
|     compressors:
|       NULL
|   TLSv1.2:
|     ciphers:
|       TLS_RSA_WITH_3DES_EDE_CBC_SHA - strong
|       TLS_RSA_WITH_AES_128_CBC_SHA - strong
|       TLS_RSA_WITH_AES_128_GCM_SHA256 - strong
|       TLS_RSA_WITH_AES_256_CBC_SHA - strong
|       TLS_RSA_WITH_AES_256_GCM_SHA384 - strong
|     compressors:
|       NULL
|_  least strength: strong

Nmap done: 1 IP address (1 host up) scanned in 8.63 seconds


root@INFOSEC:~# nmap --top-ports 10 appsrv2.fictionalorg.com

Starting Nmap 6.40 ( http://nmap.org ) at 2019-06-27 10:13 CDT

Nmap scan report for appsrv2.fictionalorg.com (10.21.4.69)
Host is up (0.15s latency).
rDNS record for 10.21.4.69: appsrv2.fictionalorg.com
PORT    STATE SERVICE
80/tcp  open  http
443/tcp open  https

Nmap done: 1 IP address (1 host up) scanned in 0.42 seconds
```

Compliance Report

Fill out the following report based on your analysis of the scan data.

- [ ] AppServ1 is only using TLS 1.2
- [ ] AppServ2 is only using TLS 1.2
- [ ] AppServ3 is only using TLS 1.2
- [ ] AppServ4 is only using TLS 1.2
- [ ] AppServ1 is using Apache 2.4.18 or greater
- [ ] AppServ2 is using Apache 2.4.18 or greater
- [ ] AppServ3 is using Apache 2.4.18 or greater
- [ ] AppServ4 is using Apache 2.4.18 or greater

Part 1

Scan Data

AppServ1 AppServ2 AppServ3 AppServ4

```
root@INFOSEC:~# curl --head appsrv3.fictionalorg.com:443

HTTP/1.1 200 OK
Date: Wed, 26 Jun 2019 21:15:15 GMT
Server: Apache/2.4.48 (CentOS)
Last-Modified: Wed, 26 Jun 2019 21:10:22 GMT
ETag: "13520-58c406780177e"
Accept-Ranges: bytes
Content-Length: 79136
Vary: Accept-Encoding
Cache-Control: max-age=3600
Expires: Wed, 26 Jun 2019 22:15:15 GMT
Content-Type: text/html

root@INFOSEC:~# nmap --script ssl-enum-ciphers
appsrv3.fictionalorg.com -p 443

Starting Nmap 6.40 ( http://nmap.org ) at 2019-06-26 16:07 CDT

Nmap scan report for AppSrv3.fictionalorg.com (10.21.4.70)
Host is up (0.042s latency).
rDNS record for 10.21.4.70: inaddrArpa.fictionalorg.com
PORT    STATE SERVICE
80/tcp  open  http
443/tcp open  https
| ssl-enum-ciphers:
|   TLSv1.0:
|     ciphers:
|       TLS_RSA_WITH_3DES_EDE_CBC_SHA - strong
|       TLS_RSA_WITH_AES_128_CBC_SHA - strong
|       TLS_RSA_WITH_AES_256_CBC_SHA - strong
|     compressors:
|       NULL
|   TLSv1.1:
|     ciphers:
|       TLS_RSA_WITH_3DES_EDE_CBC_SHA - strong
|       TLS_RSA_WITH_AES_128_CBC_SHA - strong
|       TLS_RSA_WITH_AES_256_CBC_SHA - strong
|     compressors:
|       NULL
|   TLSv1.2:
|     ciphers:
|       TLS_RSA_WITH_3DES_EDE_CBC_SHA - strong
|       TLS_RSA_WITH_AES_128_CBC_SHA - strong
|       TLS_RSA_WITH_AES_128_GCM_SHA256 - strong
|       TLS_RSA_WITH_AES_256_CBC_SHA - strong
|       TLS_RSA_WITH_AES_256_GCM_SHA384 - strong
|     compressors:
|       NULL
|_  least strength: strong

Nmap done: 1 IP address (1 host up) scanned in 8.63 seconds


root@INFOSEC:~# nmap --top-ports 10 appsrv3.fictionalorg.com

Starting Nmap 6.40 ( http://nmap.org ) at 2019-06-27 10:13 CDT

Nmap scan report for appsrv3.fictionalorg.com (10.21.4.70)
Host is up (0.15s latency).
rDNS record for 10.21.4.70: appsrv3.fictionalorg.com
PORT    STATE SERVICE
80/tcp  open  http
443/tcp open  https

Nmap done: 1 IP address (1 host up) scanned in 0.42 seconds
```

Compliance Report

Fill out the following report based on your analysis of the scan data.

- [ ] AppServ1 is only using TLS 1.2
- [ ] AppServ2 is only using TLS 1.2
- [ ] AppServ3 is only using TLS 1.2
- [ ] AppServ4 is only using TLS 1.2
- [ ] AppServ1 is using Apache 2.4.18 or greater
- [ ] AppServ2 is using Apache 2.4.18 or greater
- [ ] AppServ3 is using Apache 2.4.18 or greater
- [ ] AppServ4 is using Apache 2.4.18 or greater

Part 1

Scan Data

AppServ1 AppServ2 AppServ3 AppServ4

```
root@INFOSEC:~# curl --head appsrv4.fictionalorg.com:443

HTTP/1.1 200 OK
Date: Wed, 26 Jun 2019 21:15:15 GMT
Server: Apache/2.4.48 (CentOS)
Last-Modified: Wed, 26 Jun 2019 21:10:22 GMT
ETag: "13520-58c406780177e"
Accept-Ranges: bytes
Content-Length: 79136
Vary: Accept-Encoding
Cache-Control: max-age=3600
Expires: Wed, 26 Jun 2019 22:15:15 GMT
Content-Type: text/html

root@INFOSEC:~# nmap --script ssl-enum-ciphers
appsrv4.fictionalorg.com -p 443

Starting Nmap 6.40 ( http://nmap.org ) at 2019-06-26 16:07 CDT

Nmap scan report for AppSrv4.fictionalorg.com (10.21.4.71)
Host is up (0.042s latency).
rDNS record for 10.21.4.71: inaddrArpa.fictionalorg.com
PORT    STATE SERVICE
443/tcp open  https
|   TLSv1.2:
|    ciphers:
|       TLS_RSA_WITH_3DES_EDE_CBC_SHA - strong
|       TLS_RSA_WITH_AES_128_CBC_SHA - strong
|       TLS_RSA_WITH_AES_128_GCM_SHA256 - strong
|       TLS_RSA_WITH_AES_256_CBC_SHA - strong
|       TLS_RSA_WITH_AES_256_GCM_SHA384 - strong
|    compressors:
|       NULL
|_  least strength: strong

Nmap done: 1 IP address (1 host up) scanned in 8.63 seconds


root@INFOSEC:~# nmap --top-ports 10 appsrv4.fictionalorg.com

Starting Nmap 6.40 ( http://nmap.org ) at 2019-06-27 10:13 CDT
Nmap scan report for appsrv4.fictionalorg.com (10.21.4.71)
Host is up (0.15s latency).
rDNS record for 10.21.4.71: appsrv4.fictionalorg.com
PORT     STATE  SERVICE
80/tcp   open   http
443/tcp  open   https
8675/ssh open   ssh

Nmap done: 1 IP address (1 host up) scanned in 0.42 seconds
```

Compliance Report

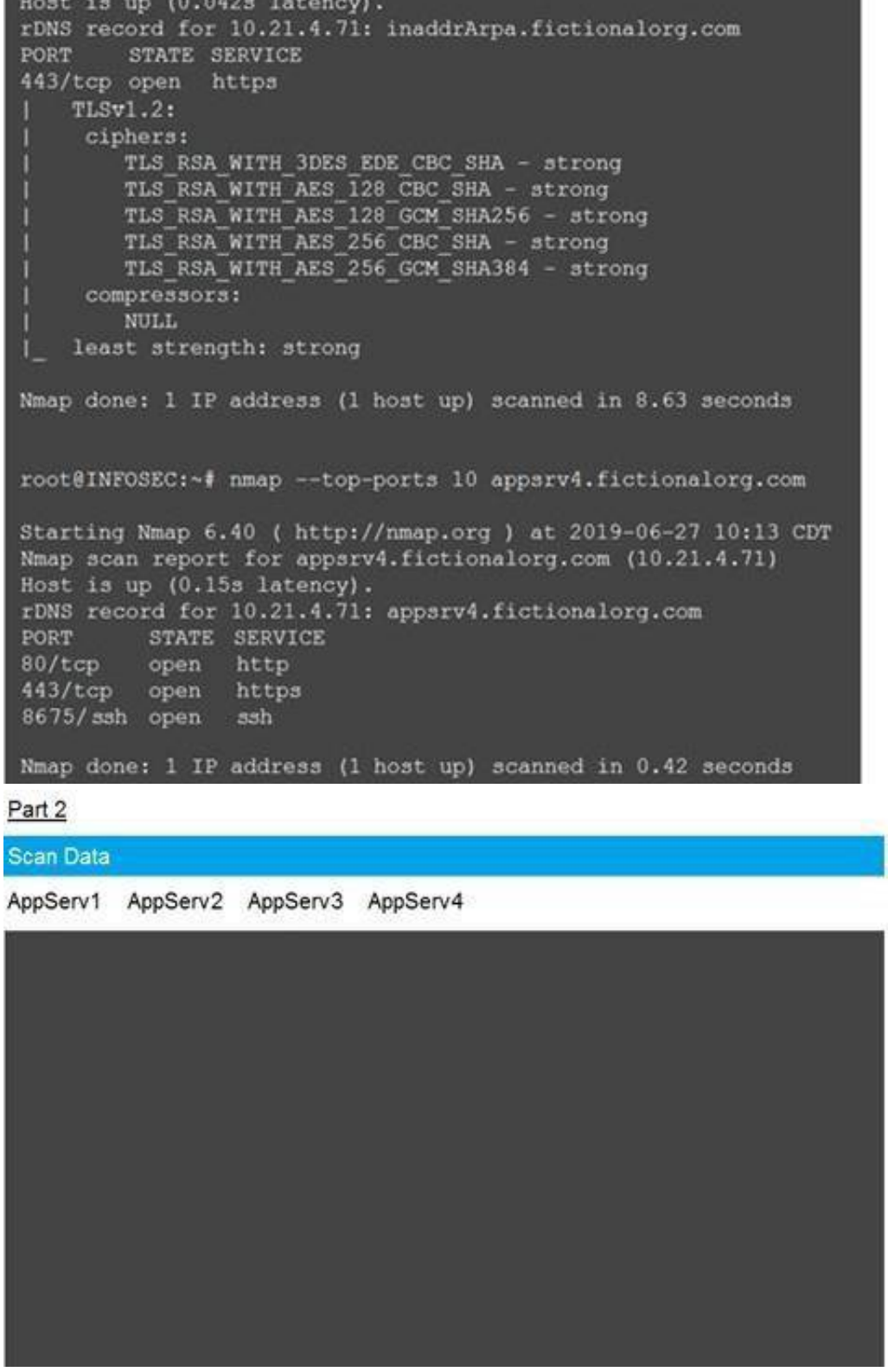
Fill out the following report based on your analysis of the scan data.

- [ ] AppServ1 is only using TLS 1.2
- [ ] AppServ2 is only using TLS 1.2
- [ ] AppServ3 is only using TLS 1.2
- [ ] AppServ4 is only using TLS 1.2
- [ ] AppServ1 is using Apache 2.4.18 or greater
- [ ] AppServ2 is using Apache 2.4.18 or greater
- [ ] AppServ3 is using Apache 2.4.18 or greater
- [ ] AppServ4 is using Apache 2.4.18 or greater

Part 2

Scan Data

AppServ1 AppServ2 AppServ3 AppServ4



Configuration Change Recommendations

Add recommendation for

AppSrv1
AppSrv2
AppSrv3
AppSrv4

A. Mastered
B. Not Mastered

Answer: A

Explanation:
Part 1 Answer
Check on the following:
AppServ1 is only using TLS.1.2
AppServ4 is only using TLS.1.2
AppServ1 is using Apache 2.4.18 or greater
AppServ3 is using Apache 2.4.18 or greater
AppServ4 is using Apache 2.4.18 or greater

Part 2 Answer
Recommendation:
Recommendation is to disable TLS v1.1 on AppServ2 and AppServ3. Also upgrade AppServ2 Apache to version 2.4.48 from its current version of 2.3.48

NEW QUESTION 18
A company recently experienced a break-in whereby a number of hardware assets were stolen through unauthorized access at the back of the building. Which of the following would BEST prevent this type of theft from occurring in the future?

A. Motion detection
B. Perimeter fencing
C. Monitored security cameras
D. Badged entry

Answer: A

NEW QUESTION 23
A security analyst needs to assess the web server versions on a list of hosts to determine which are running a vulnerable version of the software and output that list into an XML file named Webserverlist. Xml. The host list is provided in a file named werbserverlist,text. Which of the fallowing Nmap commands would BEST accomplish this goal?
A)

```
nmap -iL webserverlist.txt -sC -p 443 -oX webserverlist.xml
```

B)

```
nmap -iL webserverlist.txt -sV -p 443 -oX webserverlist.xml
```

C)

```
nmap -iL webserverlist.txt -F -p 443 -oX webserverlist.xml
```

D)

```
nmap --takefile webserverlist.txt --outputfileasXML webserverlist.xml --scanports 443
```

A. Option A
B. Option B
C. Option C
D. Option D

Answer: A

NEW QUESTION 25
A large software company wants to move «s source control and deployment pipelines into a cloud-computing environment. Due to the nature of the business management determines the recovery time objective needs to be within one hour. Which of the following strategies would put the company in the BEST position to achieve the desired recovery time?

A. Establish an alternate site with active replication to other regions
B. Configure a duplicate environment in the same region and load balance between both instances
C. Set up every cloud component with duplicated copies and auto scaling turned on
D. Create a duplicate copy on premises that can be used for failover in a disaster situation

Answer: A

NEW QUESTION 26

A security analyst on the threat-hunting team has developed a list of unneeded, benign services that are currently running as part of the standard OS deployment for workstations. The analyst will provide this list to the operations team to create a policy that will automatically disable the services for all workstations in the organization.
Which of the following BEST describes the security analyst's goal?

A. To create a system baseline
B. To reduce the attack surface
C. To optimize system performance
D. To improve malware detection

Answer: B

NEW QUESTION 30
A company just chose a global software company based in Europe to implement a new supply chain management solution. Which of the following would be the MAIN concern of the company?

A. Violating national security policy
B. Packet injection
C. Loss of intellectual property
D. International labor laws

Answer: A

NEW QUESTION 31
Ann, a user, reports to the security team that her browser began redirecting her to random sites while using her Windows laptop. Ann further reports that the OS shows the C: drive is out of space despite having plenty of space recently. Ann claims she not downloaded anything. The security team obtains the laptop and begins to investigate, noting the following:

- File access auditing is turned off.
- When clearing up disk space to make the laptop functional, files that appear to be cached web pages are immediately created in a temporary directory, filling up the available drive space.
- All processes running appear to be legitimate processes for this user and machine.
- Network traffic spikes when the space is cleared on the laptop.
- No browser is open.

Which of the following initial actions and tools would provide the BEST approach to determining what is happening?

A. Delete the temporary files, run an Nmap scan, and utilize Burp Suite.
B. Disable the network connection, check Sysinternals Process Explorer, and review netstat output.
C. Perform a hard power down of the laptop, take a dd image, and analyze with FTK.
D. Review logins to the laptop, search Windows Event Viewer, and review Wireshark captures.

Answer: B

NEW QUESTION 33
Which of the following are components of the intelligence cycle? (Select TWO.)

A. Collection
B. Normalization
C. Response
D. Analysis
E. Correction
F. Dissension

Answer: BE

NEW QUESTION 37
A cybersecurity analyst has access to several threat feeds and wants to organize them while simultaneously comparing intelligence against network traffic.
Which of the following would BEST accomplish this goal?

A. Continuous integration and deployment
B. Automation and orchestration
C. Static and dynamic analysis
D. Information sharing and analysis

Answer: B

NEW QUESTION 38
The inability to do remote updates of certificates, keys, software, and firmware is a security issue commonly associated with:

A. web servers on private networks
B. HVAC control systems
C. smartphones
D. firewalls and UTM devices

Answer: D

NEW QUESTION 41
The computer incident response team at a multinational company has determined that a breach of sensitive data has occurred in which a threat actor has compromised the organization's email system. Per the incident response procedures, this breach requires notifying the board immediately. Which of the following would be the BEST method of communication?

A. Post of the company blog
B. Corporate-hosted encrypted email
C. VoIP phone call
D. Summary sent by certified mail
E. Externally hosted instant message

Answer: C

NEW QUESTION 44
An organization wants to move non-essential services into a cloud computing environment. Management has a cost focus and would like to achieve a recovery time objective of 12 hours. Which of the following cloud recovery strategies would work BEST to attain the desired outcome?

A. Duplicate all services in another instance and load balance between the instances.
B. Establish a hot site with active replication to another region within the same cloud provider.
C. Set up a warm disaster recovery site with the same cloud provider in a different region
D. Configure the systems with a cold site at another cloud provider that can be used for failover.

Answer: C

NEW QUESTION 49
A development team is testing a new application release. The team needs to import existing client PHI data records from the production environment to the test environment to test accuracy and functionality.
Which of the following would BEST protect the sensitivity of this data while still allowing the team to perform the testing?

A. Deidentification
B. Encoding
C. Encryption
D. Watermarking

Answer: A

NEW QUESTION 52
Which of the following attacks can be prevented by using output encoding?

A. Server-side request forgery
B. Cross-site scripting
C. SQL injection
D. Command injection
E. Cross-site request forgery
F. Directory traversal

Answer: B

NEW QUESTION 54
A threat feed notes malicious actors have been infiltrating companies and exfiltration data to a specific set of domains Management at an organization wants to know if it is a victim Which of the following should the security analyst recommend to identity this behavior without alerting any potential malicious actors?

A. Create an IPS rule to block these domains and trigger an alert within the SIEM tool when these domains are requested
B. Add the domains to a DNS sinkhole and create an alert m the SIEM toot when the domains are queried
C. Look up the IP addresses for these domains and search firewall logs for any traffic being sent to those IPs over port 443
D. Query DNS logs with a SIEM tool for any hosts requesting the malicious domains and create alerts based on this information

Answer: D

NEW QUESTION 58
A developer wrote a script to make names and other Pll data unidentifiable before loading a database export into the testing system Which of the following describes the type of control that is being used?

A. Data encoding
B. Data masking
C. Data loss prevention
D. Data classification

Answer: C

NEW QUESTION 61
An analyst is investigating an anomalous event reported by the SOC After reviewing the system logs the analyst identifies an unexpected addition of a user with root-level privileges on the endpoint. Which of the following data sources will BEST help the analyst to determine whether this event constitutes an incident?

A. Patching logs
B. Threat feed
C. Backup logs

D. Change requests
E. Data classification matrix

Answer: D

NEW QUESTION 64
Which of the following roles is ultimately responsible for determining the classification levels assigned to specific data sets?

A. Data custodian
B. Data owner
C. Data processor
D. Senior management

Answer: B

NEW QUESTION 68
A product manager is working with an analyst to design a new application that will perform as a data analytics platform and will be accessible via a web browser. The product manager suggests using a PaaS provider to host the application.
Which of the following is a security concern when using a PaaS solution?

A. The use of infrastructure-as-code capabilities leads to an increased attack surface.
B. Patching the underlying application server becomes the responsibility of the client.
C. The application is unable to use encryption at the database level.
D. Insecure application programming interfaces can lead to data compromise.

Answer: D

NEW QUESTION 71
Risk management wants IT to implement a solution that will permit an analyst to intercept, execute, and analyze potentially malicious files that are downloaded from the Internet.
Which of the following would BEST provide this solution?

A. File fingerprinting
B. Decomposition of malware
C. Risk evaluation
D. Sandboxing

Answer: D

NEW QUESTION 73
During an investigation, an incident responder intends to recover multiple pieces of digital media. Before removing the media, the responder should initiate:

A. malware scans.
B. secure communications.
C. chain of custody forms.
D. decryption tools.

Answer: C

NEW QUESTION 77
A security analyst is providing a risk assessment for a medical device that will be installed on the corporate network. During the assessment, the analyst discovers the device has an embedded operating system that will be at the end of its life in two years. Due to the criticality of the device, the security committee makes a risk-based policy decision to review and enforce the vendor upgrade before the end of life is reached.
Which of the following risk actions has the security committee taken?

A. Risk exception
B. Risk avoidance
C. Risk tolerance
D. Risk acceptance

Answer: D

NEW QUESTION 81
An audit has revealed an organization is utilizing a large number of servers that are running unsupported operating systems.
As part of the management response phase of the audit, which of the following would BEST demonstrate senior management is appropriately aware of and addressing the issue?

A. Copies of prior audits that did not identify the servers as an issue
B. Project plans relating to the replacement of the servers that were approved by management
C. Minutes from meetings in which risk assessment activities addressing the servers were discussed
D. ACLs from perimeter firewalls showing blocked access to the servers
E. Copies of change orders relating to the vulnerable servers

Answer: C

NEW QUESTION 85

A security analyst, who is working for a company that utilizes Linux servers, receives the following results from a vulnerability scan:

CVE ID	CVSS Base	Name
CVE-1999-0524	None	ICMP timestamp request remote date disclosure
CVE-1999-0497	5.0	Anonymous FTP enabled
None	7.5	Unsupported web server detection
CVE-2005-2150	5.0	Windows SMB service enumeration via \srvsvc

Which of the following is MOST likely a false positive?

A. ICMP timestamp request remote date disclosure
B. Windows SMB service enumeration via \srvsvc
C. Anonymous FTP enabled
D. Unsupported web server detection

Answer: B

NEW QUESTION 90
A security analyst working in the SOC recently discovered Balances m which hosts visited a specific set of domains and IPs and became infected with malware.
Which of the following is the MOST appropriate action to take in the situation?

A. implement an IPS signature for the malware and update the blacklisting for the associated domains and IPs
B. Implement an IPS signature for the malware and another signature request to Nock all the associated domains and IPs
C. Implement a change request to the firewall setting to not allow traffic to and from the IPs and domains
D. Implement an IPS signature for the malware and a change request to the firewall setting to not allow traffic to and from the IPs and domains

Answer: C

NEW QUESTION 93
An information security analyst is compiling data from a recent penetration test and reviews the following output:

```
Starting Nmap 7.70 ( https://nmap.org ) at 2019-01-01 16:06 UTC
Nmap scan report for 10.79.95.173.rdns.datacenters.com (10.79.95.173)
Host is up (0.026s latency).
Not shown: 994 filtered ports
PORT     STATE SERVICE VERSION
21/tcp   open  ftp     Microsoft ftpd
22/tcp   open  ssh     SilverSHielD sshd (protocol 2.0)
80/tcp   open  http    Microsoft HTTPAPI httpd 2.0 (SSDP/UPnP)
443/tcp  open  https?
691/tcp  open  resvc?
5060/tcp open  sip     Barracuda NG Firewall (Status: 200 OK)
Nmap done: 1 IP address (1 host up) scanned in 158.22 seconds
```

The analyst wants to obtain more information about the web-based services that are running on the target. Which of the following commands would MOST likely provide the needed information?

A. ping -t 10.79.95.173.rdns.datacenters.com
B. telnet 10.79.95.173 443
C. ftpd 10.79.95.173.rdns.datacenters.com 443
D. tracert 10.79.95.173

Answer: B

NEW QUESTION 96
Which of the following software security best practices would prevent an attacker from being able to run arbitrary SQL commands within a web application? (Choose two.)

A. Parameterized queries
B. Session management
C. Input validation
D. Output encoding
E. Data protection
F. Authentication

Answer: AC

NEW QUESTION 98
A security technician is testing a solution that will prevent outside entities from spoofing the company's email domain, which is comptia.org. The testing is successful, and the security technician is prepared to fully implement the solution.
Which of the following actions should the technician take to accomplish this task?

A. Add TXT @ "v=spf1 mx include:_spf.comptia.org all" to the DNS record.
B. Add TXT @ "v=spf1 mx include:_spf.comptia.org all" to the email server.
C. Add TXT @ "v=spf1 mx include:_spf.comptia.org +all" to the domain controller.
D. Add TXT @ "v=spf1 mx include:_spf.comptia.org +all" to the web server.

Answer: A

NEW QUESTION 102
An analyst performs a routine scan of a host using Nmap and receives the following output:

```
$ nmap -sS 10.0.3.1
Starting Nmap 8.9 (http://nmap.org) at 2019-01-19 12:03 PST
Nmap scan report for 10.0.3.1
Host is up (0.00098s latency).
Not shown: 979 closed ports

PORT     STATE      SERVICE
20/tcp   filtered   ftp-data
21/tcp   filtered   ftp
22/tcp   open       ssh
23/tcp   open       telnet
80/tcp   open       http

Nmap done: 1 IP address (1 host up) scanned in 0.840 seconds
```

Which of the following should the analyst investigate FIRST?

A. Port 21
B. Port 22
C. Port 23
D. Port 80

Answer: C

NEW QUESTION 105
A security analyst received a SIEM alert regarding high levels of memory consumption for a critical system. After several attempts to remediate the issue, the system went down. A root cause analysis revealed a bad actor forced the application to not reclaim memory. This caused the system to be depleted of resources. Which of the following BEST describes this attack?

A. Injection attack
B. Memory corruption
C. Denial of service
D. Array attack

Answer: B

NEW QUESTION 110
While planning segmentation for an ICS environment, a security engineer determines IT resources will need access to devices within the ICS environment without compromising security.
To provide the MOST secure access model in this scenario, the jumpbox should be.

A. placed in an isolated network segment, authenticated on the IT side, and forwarded into the ICS network.
B. placed on the ICS network with a static firewall rule that allows IT network resources to authenticate.
C. bridged between the IT and operational technology networks to allow authenticated access.
D. placed on the IT side of the network, authenticated, and tunneled into the ICS environment.

Answer: D

NEW QUESTION 113
An organization has several system that require specific logons Over the past few months, the security analyst has noticed numerous failed logon attempts followed by password resets. Which of the following should the analyst do to reduce the occurrence of legitimate failed logons and password resets?

A. Use SSO across all applications
B. Perform a manual privilege review
C. Adjust the current monitoring and logging rules
D. Implement multifactor authentication

Answer: B

NEW QUESTION 115
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