Exam Report: 6.9.10 Practice Questions	s
Date: 1/22/2020 8:23:03 am Time Spent: 18:32	Candidate: Garsteck, Matthew Login: mGarsteck
Overall Performance	
Your Score: 79%	
	Passing Score: 80%
View results by: Objective Analysis	s Individual Responses
Individual Responses	
▼ Question 1: <u>Correct</u>	
Which of the following functions can	a port scanner provide? (Select two.)
Testing virus definition des	ign for false positives
Discovering unadvertised s	ervers
Auditing IPsec encryption a	algorithm configuration
Determining which ports are	e open on a firewall
Explanation	
be unauthorized or running in a test e including the host operating system a gather valuable information about a t	CP/UDP ports are open on a firewall and identify servers that may environment. Many port scanners provide additional information, and version, of any detected servers. Hackers use port scanners to carget, and system administrators should use the same tools for uring compliance with all corporate security policies.
References	
LabSim for Security Pro, Section 6.9 [All Questions SecPro2017_v6.exm]	
▼ Question 2: <u>Correct</u>	
Which of the following is the type of but rather listens only for either SYN	port scan that does not complete the full three-way TCP handshake, I/ACK or RST/ACK packets?
TCP ACKscanTCP connect scan	
TCP SYN scan	
TCP FIN scan	

Explanation

A TCP SYN scan is the type of port scan that does not complete the full three-way TCP handshake, but rather listens only for either SYN/ACK packets (which indicate that a port is listening) or RST/ACK packets (which indicate that a port is not listening).

A TCP connect scan uses a full TCP three-way handshake and establishes a session with each port. A TCP FIN scan sends FIN packets to ports and listens for RST responses for closed ports, which indicate which ports are open. A TCP ACK scan is used to map out a firewall's filtering rules.

References

LabSim for Security Pro, Section 6.9. [All Questions SecPro2017_v6.exm VULN_ASSESS_02]

Question 3: Correct

You want to make sure that a set of servers will only accept traffic for specific network services. You have verified that the servers are only running the necessary services, but you also want to make sure that the servers will not accept packets sent to those services.

Which tool should you use?

	IPS

System logs

IDS

Port scanner

Packet sniffer

Explanation

Use a port scanner to check for open ports on a system or a firewall. Compare the list of opened ports with the list of ports allowed by your network design and security policy. Typically, a port is opened when a service starts or is configured on a device. Open ports for unused services expose the server to attacks directed at that port.

Use a packet sniffer to examine packets on the network. With a packet sniffer, you can identify packets directed towards specific ports, but you won't be able to tell if those ports are open. Examine system logs to look for events that have happened on a system, which might include a service starting, but would not likely reflect open ports.

An intrusion detection system (IDS) is a special network device that can detect attacks and suspicious activity. A passive IDS monitors, logs, and detects security breaches, but takes no action to stop or prevent the attack. An active IDS (also called an intrusion protection system or IPS) performs the functions of an IDS, but can also react when security breaches occur.

References

LabSim for Security Pro, Section 6.9. [All Questions SecPro2017_v6.exm VULN_ASSESS_03]

<u>Incorrect</u>

Question 4:

You want to be able to identify the services running on a set of servers on your network. Which tool would best give you the information you need?

\rightarrow \bigcirc	Vulnerability s	scanner
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Protocol analyzer

Port scanner

Network mapper

Explanation

Use a vulnerability scanner to gather information about systems, such as the applications or services running on the system. The vulnerability scanner often combines functions found in other tools and can perform additional functions, such as identifying open firewall ports, missing patches, and default or blank passwords.

A port scanner is a tool that probes systems for open ports. The port scanner will tell you which ports are opened in the firewall, but it cannot identify services running on a server if the firewall port has been closed. A network mapper is a tool that can discover devices on the network and shows those devices in a graphical representation. Network mappers typically use a ping scan to discover devices and a port scanner to identify open ports on those devices.

Use a protocol analyzer to identify traffic that is sent on the network medium and traffic sources. Services could still be running on a server that do not generate network traffic a protocol analyzer can

References

LabSim for Security Pro, Section 6.9. [All Questions SecPro2017_v6.exm VULN_ASSESS_04]

▼ Question 5: Correct

You want to identify all devices on a network along with a list of open ports on those devices. You want the results displayed in a graphical diagram. Which tool should you use?

Port scanner

OVAL

Network mapper

Ping scanner

Explanation

A network mapper is a tool that can discover devices on the network and show those devices in a graphical representation. Network mappers typically use a ping scan to discover devices and a port scanner to identify open ports on those devices.

A ping scanner only identifies devices on the network, but does not probe for open ports. A port scanner finds open ports, but might not display devices in a graphical representation. The Open Vulnerability and Assessment Language (OVAL) is an international standard for testing, analyzing, and reporting the security vulnerabilities of a system.

References

LabSim for Security Pro, Section 6.9.

[All Questions SecPro2017_v6.exm VULN_ASSESS_05]

▼ Question 6:

Correct

You want to use a tool to scan a system for vulnerabilities, including open ports, running services, and missing patches. Which tools should you use? (Select two.)

LC4

OVAL

Wireshark

Retina

Explanation

A vulnerability scanner is a software program that searches an application, computer, or network for weaknesses, such as open ports, running applications or services, missing critical patches, default user accounts that have not been disabled, and default or blank passwords. Vulnerability scanning tools include Nessus, Retina Vulnerability Assessment Scanner, and Microsoft Baseline Security Analyzer (MBSA).

Wireshark is a protocol analyzer. LC4 is a password cracking tool that you can use to identify weak passwords. The Open Vulnerability and Assessment Language (OVAL) is an international standard for testing, analyzing, and reporting the security vulnerabilities of a system.

References

LabSim for Security Pro, Section 6.9. [All Questions SecPro2017_v6.exm VULN_ASSESS_06]

Question 7:

Correct

You want to check a server for user accounts that have weak passwords. Which tool should you use?

OVAL

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Nessus	
John the F	tipper
Retina	
Explanation	
	password cracking tool. Password crackers perform cryptographic attacks on assword cracker to identify weak passwords or passwords protected with weak
accounts and often of cracking features to	are vulnerability scanners. While vulnerability scanners check for default user check for accounts with blank passwords, they typically do not include password test for weak passwords. The Open Vulnerability and Assessment Language (OVAL) tandard for testing, analyzing, and reporting the security vulnerabilities of a system.
References	
LabSim for Security [All Questions SecI	v Pro, Section 6.9. Pro2017_v6.exm VULN_ASSESS_07]
▼ Question 8:	<u>Incorrect</u>
Which of the follow three.)	ring are performed by the Microsoft Baseline Security Analyzer (MBSA) tool? (Select
Check for	missing patches
Gather per	rformance statistics for setting a baseline
Check for	open ports
Check use	er accounts for weak passwords
Analyze p	ackets for evidence of an attack
Explanation	
Microsoft Baseline weaknesses:	Security Analyzer (MBSA) is a vulnerability scanner that can check for the following
Open portsActive IP	
arRunning applic	ations or services
Missing criticalDefault user ac	l patches counts that have not been disabled
	or common passwords
Vulnerability scanne checks for weak pas	ers typically do not include password cracking tools, but MBSA can perform simple sswords.
	yzer to check packets for characteristics that might indicate an attack. Use a bring tool to gather information about system or network performance to identify a ne.
References	
LabSim for Security [All Questions Sec	r Pro, Section 6.9. Pro2017_v6.exm VULN_ASSESS_08]
▼ Question 9:	Correct
Which of the follow vulnerabilities?	ring identifies standards and XML formats for reporting and analyzing system
Retina	

	OSSTMM
	MBSA
4	OVAL

Explanation

The Open Vulnerability and Assessment Language (OVAL) is an international standard for testing, analyzing, and reporting the security vulnerabilities of a system.

- · OVAL is sponsored by the National Cyber Security division of the US Department of Homeland Security.
- OVAL identifies the XML format for identifying and reporting system vulnerabilities.
- Each vulnerability, configuration issue, program, or patch that might be present on a system is identified as a definition.
- OVAL repositories are like libraries or databases that contain multiple definitions.

Microsoft Baseline Security Analyzer (MBSA) and Retina Vulnerability Assessment Scanner are vulnerability scanning tools. The Open Source Security Testing Methodology Manual (OSSTMM) is a manual of a peer-reviewed methodology for performing security tests and metrics.

References

LabSim for Security Pro, Section 6.9. [All Questions SecPro2017_v6.exm VULN_ASSESS_09]

▼ Question 10:

Correct

You are using a vulnerability scanner that conforms to the OVAL specifications. Which of the following items contains a specific vulnerability or security issue that could be present on a system?

	Asset risk
	Threat agent
⇒	Definition
	Library
	Repository

Explanation

The Open Vulnerability and Assessment Language (OVAL) is an international standard for testing, analyzing, and reporting the security vulnerabilities of a system. Each vulnerability, configuration issue, program, or patch that might be present on a system is identified as a *definition*.

OVAL repositories are like libraries or databases that contain multiple definitions.

References

LabSim for Security Pro, Section 6.9. [All Questions SecPro2017_v6.exm VULN_ASSESS_10]

▼ Question 11: Correct

Document your actions

You have run a vulnerability scanning tool and identified several patches that need to be applied to a system. What should you do next after applying the patches?

	•		_	-
	Update the vulnerability scan	ner def	initio	n files
	Use a port scanner to check for	or open	ports	5
•	Run the vulnerability assessm	ıent aga	ain	

Explanation

After fixing an identified vulnerability, you should re-run the vulnerability scan to verify that everything

has been fixed and that additional issues are not present.

You should updated definition files before you run the first scan. Using a port scanner is unnecessary because most vulnerability scanners include a check of open ports. Documenting your actions should occur after you have finished all necessary actions.

References

LabSim for Security Pro, Section 6.9. [All Questions SecPro2017_v6.exm VULN_ASSESS_11]

▼ Question 12: Correct

You want to use a vulnerability scanner to check a system for known security risks. What should you do first?

Apply all known patches to the system

Update the scanner definition files

Perform a port scan

Inform senior management of your actions

Explanation

Before using a vulnerability scanner, you should update the definition files. The definition files identify known security risks associated with the system. Some scanners update the definition files automatically, while others require you to download the latest definition files.

Applying all known patches is not a best practice. You typically only apply the patches that are required or identified as important security patches. The vulnerability scanner typically identifies the patches you should apply. A port scan checks for open ports and is, typically, a test performed as part of the vulnerability scan. Senior management does not need to be notified when you run a vulnerability scan; they do need to be informed of penetration tests before they are executed.

References

LabSim for Security Pro, Section 6.9. [All Questions SecPro2017_v6.exm VULN_ASSESS_12]

Question 13:

A security administrator logs on to a Windows server on her organization's network. She then runs a vulnerability scan on that server.

What type of scan was conducted in this scenario?

TCP SYN scan

Non-credentialed scan

Credentialed scan

Ping scan

Explanation

In a *credentialed scan*, the security administrator authenticates to the system prior to starting the scan. A credentialed scan usually provides detailed information about potential vulnerabilities. For example, a credentialed scan of a Windows workstation allows you to probe the registry for security vulnerabilities.

In a non-credentialed scan, the security administrator does not authenticate to the system prior to running the scan. A *TCP SYN scan* is a common type of port scan. A *ping scan* sends ICMP echo/request packets to one or multiple IP addresses.

References

LabSim for Security Pro, Section 6.9. [All Questions SecPro2017_v6.exm VULN_ASSESS_13]

Question 14: Correct

A security administrator needs to run a vulnerability scan that will analyze a system from the perspective of a hacker attacking the organization from the outside.

Port scan
Network mapping scan

Credentialed scan

What type of scan should he use?

-	Non-credentialed	scan
	rom creatmanta	o car

Explanation

In a non-credentialed scan, the security administrator does not authenticate to the system prior to running the scan. A non-credentialed scan can be valuable because it allows the scanner to see the system from the same perspective that an attacker would see it. However, a non-credentialed scan does not typically produce the same level of detail as a credentialed scan.

In a credentialed scan, the security administrator authenticates to the system prior to starting the scan. A port scan probes systems for open ports, but does not run a full vulnerability assessment. A network mapping scan is a type of port scan that discovers devices on the network and then organizes those devices in a graphical display.

References

LabSim for Security Pro, Section 6.9. [All Questions SecPro2017_v6.exm VULN_ASSESS_14]