

Exercise Week 14: Cyber Resiliency

Due Apr 24 at 11:59pm

Points 10

Questions 10

Available until Apr 24 at 11:59pm

Time Limit None

Instructions

This exercise applies the cyber resiliency concepts to the following hypothetical attack scenario:

1. Company implements cyber awareness training to employees
2. Attackers use phishing emails and succeed in stealing credentials from an employee
3. Attackers escalate privileges to install malicious software on the company network
4. Company detects the presence of malware and shuts down the infected network
5. Company restores functionality after malware is removed

Attempt History

	Attempt	Time	Score
LATEST	<u>Attempt 1</u>	24 minutes	8 out of 10

Score for this quiz: 8 out of 10
Submitted Mar 18 at 12:28pm
This attempt took 24 minutes.

Question 1

0 / 1 pts

Which cyber resiliency construct relates to the company activity to implement cyber awareness training before the attack to prevent or avoid the attack?

☐ Approach

☐ Objective

☐ Technique

orrect Answer

ou Answered

☒ Goal

Question 2

0 / 1 pts

Which cyber resiliency construct relates to the company activity to restore functionality after malware is removed to reconstitute essential functions and critical assets?

orrect Answer

☐ Goal

ou Answered

☒ Objective

☐ Approach

☐ Technique

Question 3

1 / 1 pts

Which cyber resiliency construct relates to the company action to establish Role-Based Access Control (RBAC) as an attribute based usage restriction that limited the ability of the attackers to move through the network?

☐ Objective

☐ Goal

☐ Technique

Correct!

- ☒ Approach

Question 4

1 / 1 pts

Which cyber resiliency construct relates to the analytic monitoring used to detect the malware behavior?

☐ Objective

☐ Approach

☒ Technique

☐ Goal

Correct!

Question 5

1 / 1 pts

Implementing Intrusion Detection Systems for the network is an example of which resiliency technique?

☐ Diversity

☐ Deception

☒ Analytic Monitoring

☐ Substantiated Integrity

Correct!

Question 6

1 / 1 pts

Creating a honeypot to divert attackers to a decoy workstation is an example of which resiliency technique?

- ☐ Realignment
- ☒ Deception
- ☐ Segmentation
- ☐ Non-Persistence

Correct!

Question 7

1 / 1 pts

Encrypting data at rest and data in transit is an example of which resiliency technique?

- ☒ Deception
- ☐ Substantiated Integrity
- ☐ Contextual Awareness
- ☐ Privilege Restriction

Correct!

Question 8

1 / 1 pts

Using a security management system to require multi-factor authentication for configuration changes is an example of which resiliency technique?

- ☐ Diversity
- ☐ Redundancy
- ☒ Privilege Restriction
- ☐ Unpredictability

Correct!

Question 9

1 / 1 pts

Establishing multiple communication paths is an example of which resiliency technique?

- ☐ Deception
- ☐ Analytic Monitoring
- ☐ Segmentation
- ☒ Diversity

Correct!

Question 10

1 / 1 pts

Using multiple cyber security and cyber resiliency techniques in layers to implement defense in depth is an example of which resiliency technique?

Correct!

☐ Contextual Awareness

☐ Deception

☐ Dynamic Positioning

☒ Coordinated Protection

Quiz Score: **8** out of 10