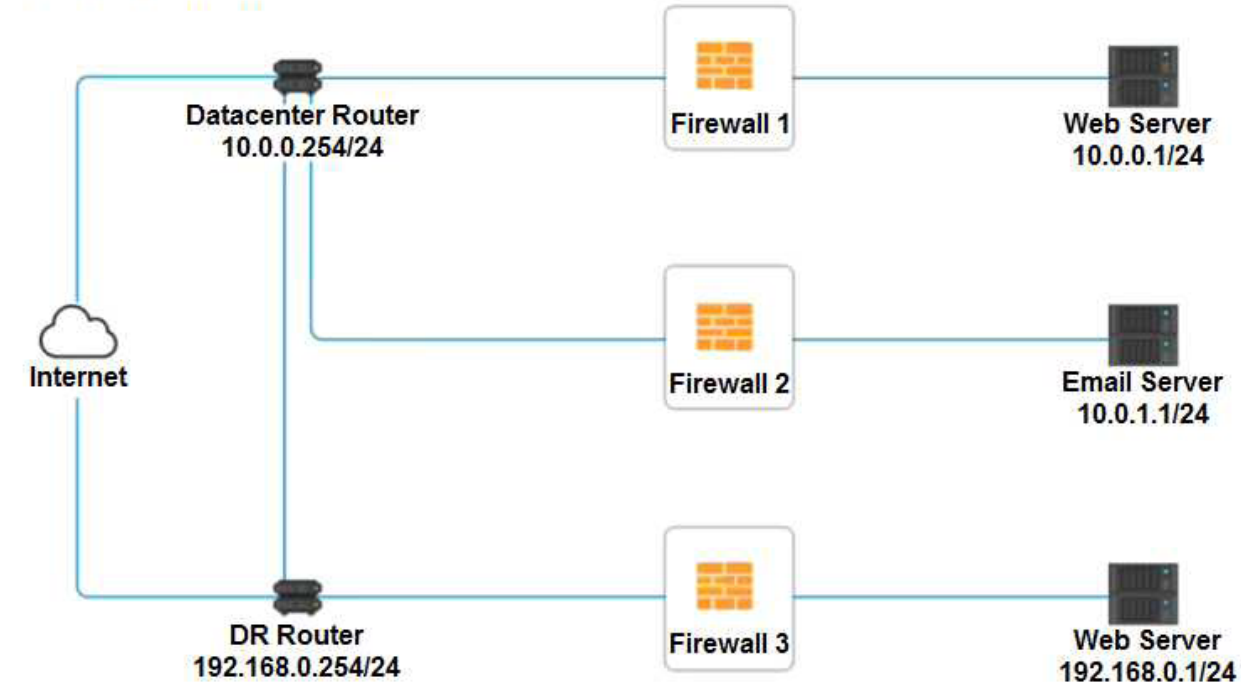
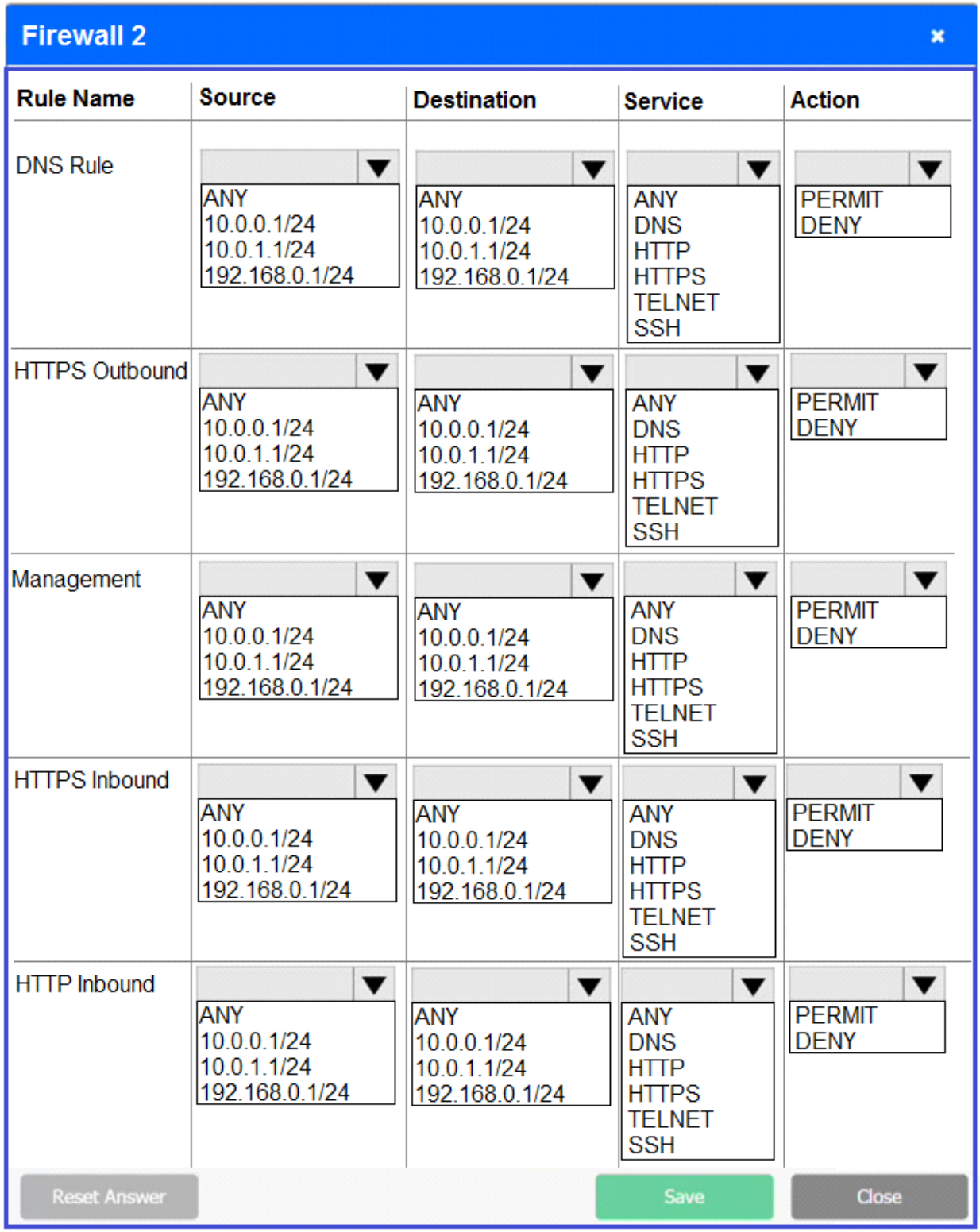
Latest Version: 28.1

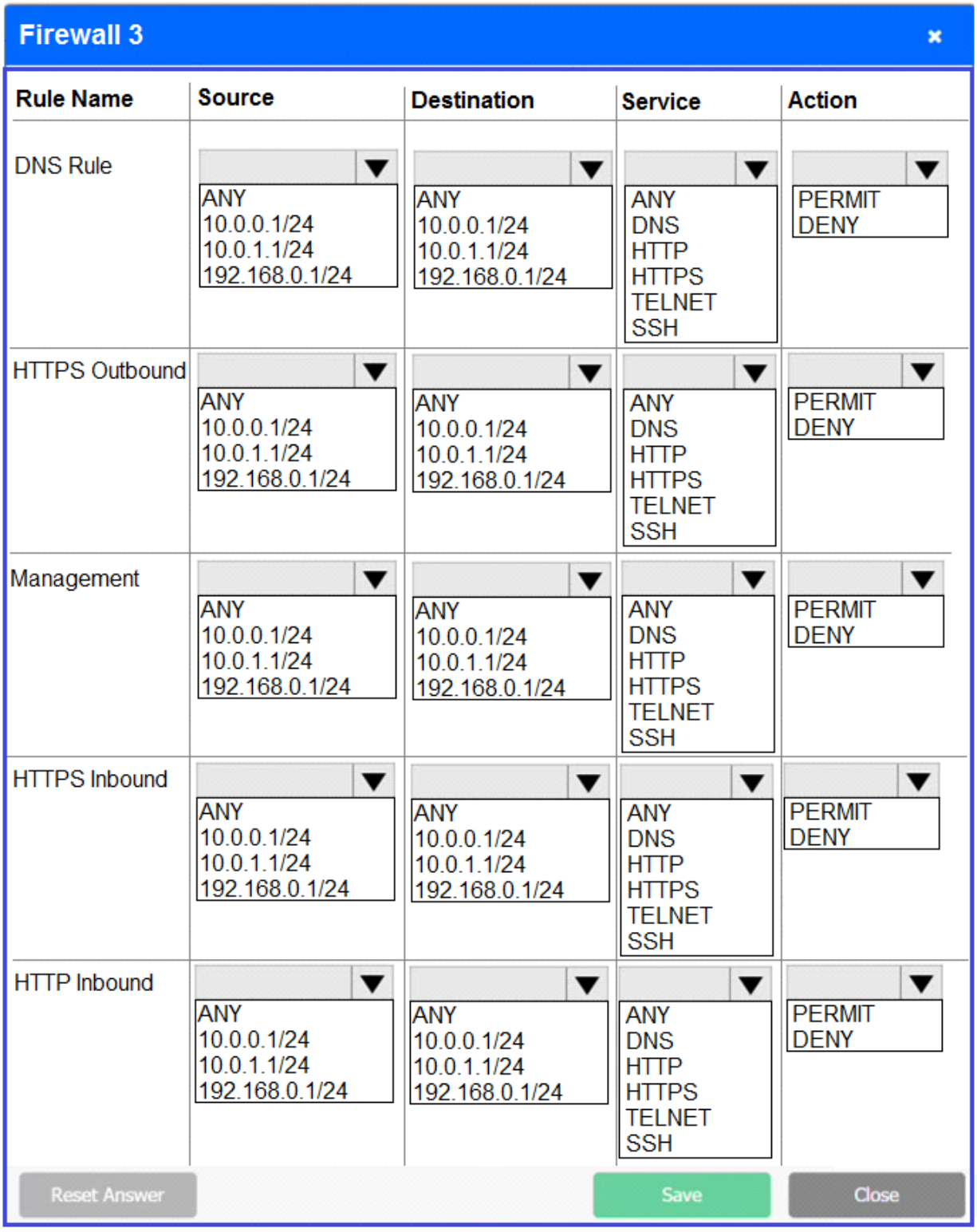
Question: 1

A company recently added a DR site and is redesigning the network. Users at the DR site are having issues browsing websites.
INSTRUCTIONS
Click on each firewall to do the following:
Deny cleartext web traffic.
Ensure secure management protocols are used.Resolve issues at the DR site.
The ruleset order cannot be modified due to outside constraints.
If at any time you would like to bring back the initial state of the simulation, please click the Reset All button.

Network Diagram

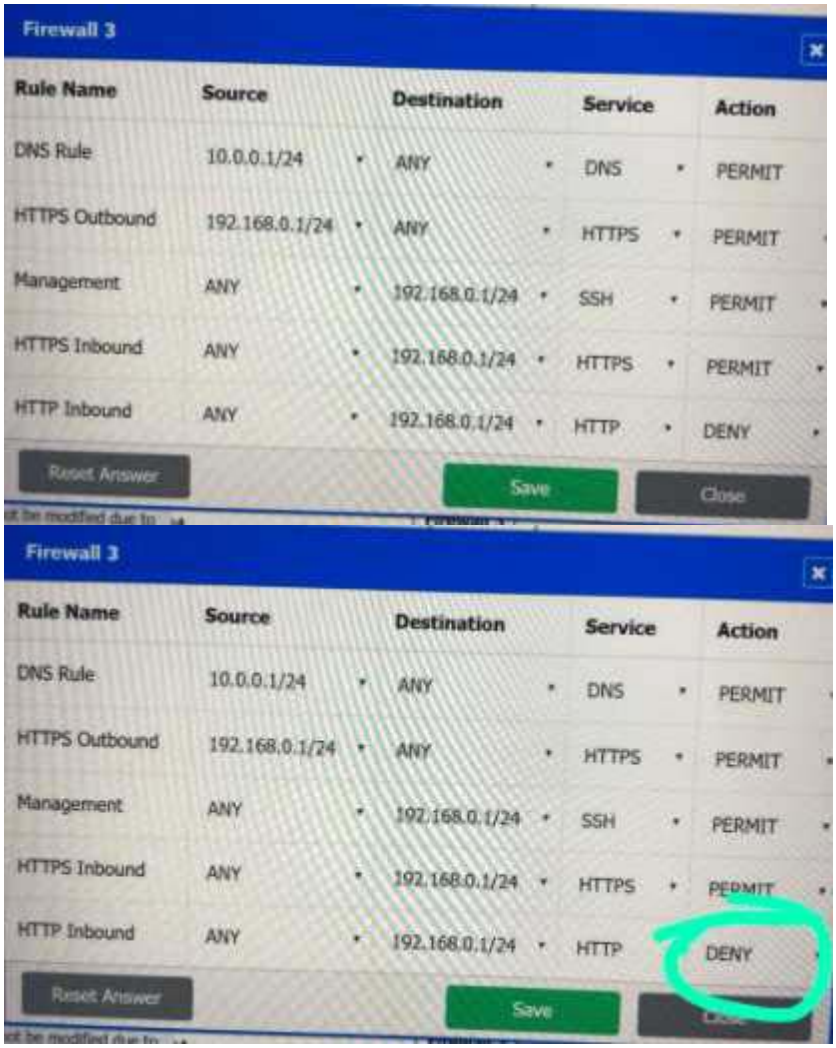



Firewall 2
Rule Name
Source
Destination
Service
Action
DNS Rule
HTTPS Outbound
Management
HTTPS Inbound
HTTP Inbound
ANY
10.0.0.1/24
10.0.1.1/24
192.168.0.1/24
ANY
DNS
HTTP
HTTPS
TELNET
SSH
PERMIT
DENY
Reset Answer
Save
Close



Answer: See explanation below.

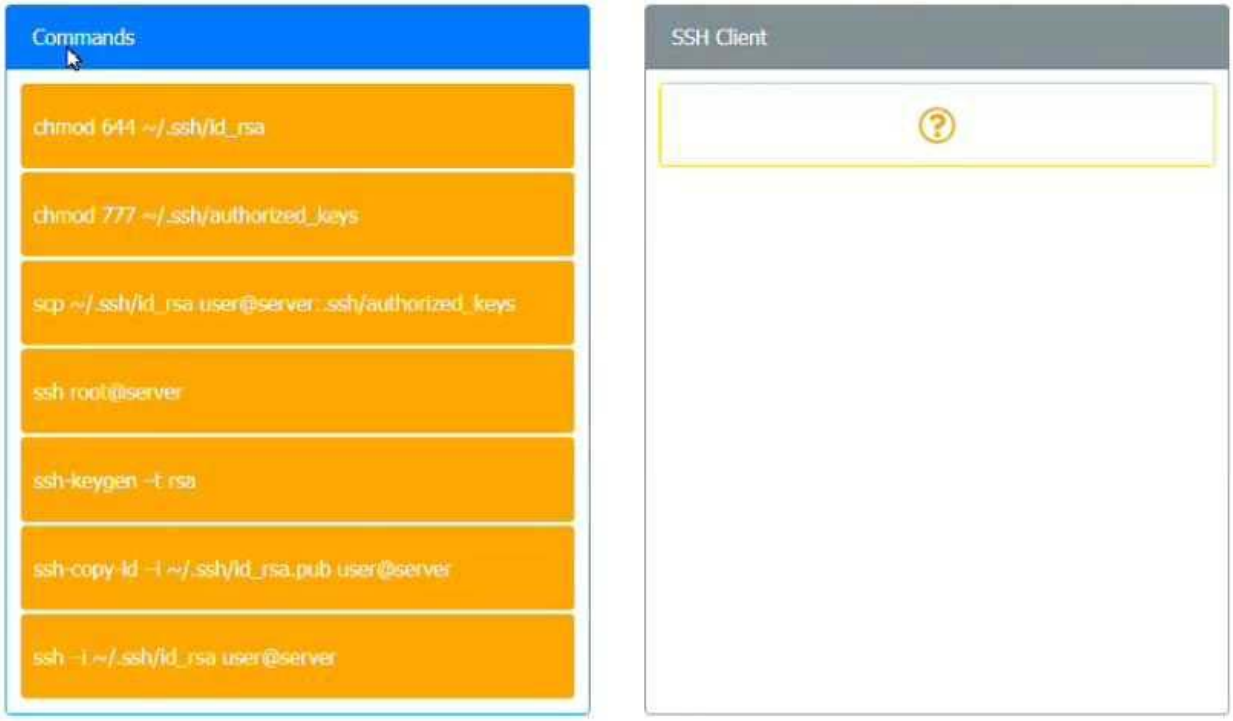
Explanation:
Firewall 1:
DNS Rule – ANY --> ANY --> DNS --> PERMIT
HTTPS Outbound – 10.0.0.1/24 --> ANY --> HTTPS --> PERMIT
Management – ANY --> ANY --> SSH --> PERMIT
HTTPS Inbound – ANY --> ANY --> HTTPS --> PERMIT
HTTP Inbound – ANY --> ANY --> HTTP --> DENY
Firewall 2:
Firewall 3:



DNS Rule – ANY --> ANY --> DNS --> PERMIT
HTTPS Outbound – 192.168.0.1/24 --> ANY --> HTTPS --> PERMIT
Management – ANY --> ANY --> SSH --> PERMIT
HTTPS Inbound – ANY --> ANY --> HTTPS --> PERMIT
HTTP Inbound – ANY --> ANY --> HTTP --> DENY

Question: 2

DRAG DROP
A security engineer is setting up passwordless authentication for the first time.
INSTRUCTIONS
Use the minimum set of commands to set this up and verify that it works. Commands cannot be reused.
If at any time you would like to bring back the initial state of the simulation, please click the Reset All button.



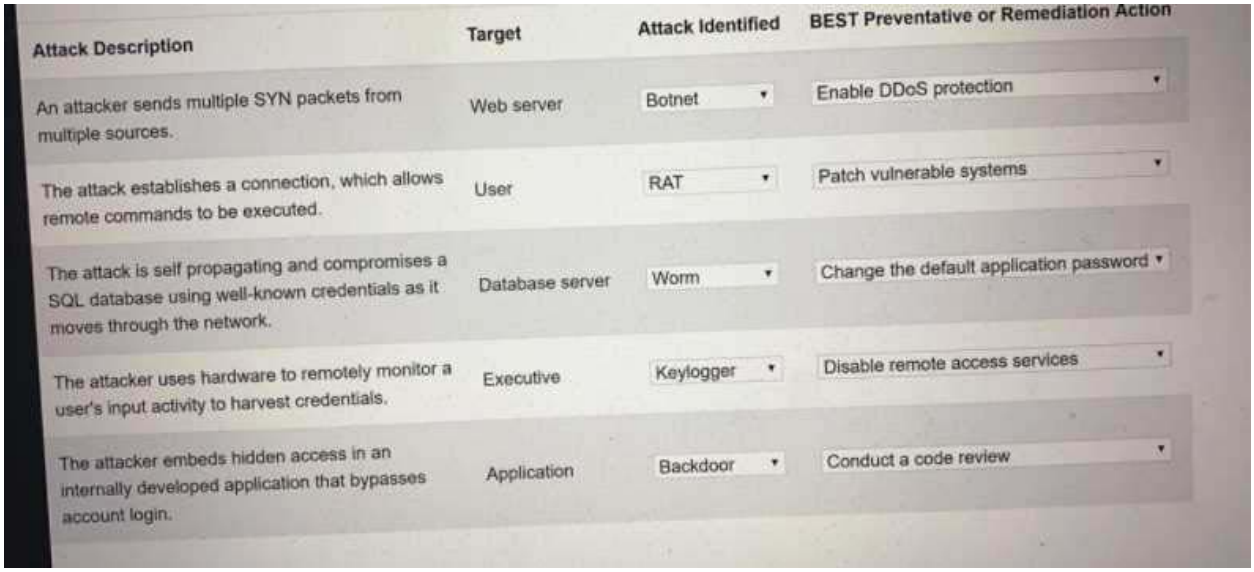
Answer:

Question: 3

HOTSPOT
Select the appropriate attack and remediation from each drop-down list to label the corresponding attack with its remediation.
INSTRUCTIONS
Not all attacks and remediation actions will be used.
If at any time you would like to bring back the initial state of the simulation, please click the Reset All button.

Attack Description	Target	Attack Identified	BEST Preventative or Remediation Action
An attacker sends multiple SYN packets from multiple sources.	Web server	Botnet RAT Logic Bomb Backdoor Virus Spyware Worm Adware Ransomware Keylogger Phishing	Enable DDoS protection Patch vulnerable systems Disable vulnerable services Change the default system password Update the cryptographic algorithms Change the default application password Implement 2FA using push notification Conduct a code review Implement application fuzzing Implement a host-based IPS Disable remote access services
The attack establishes a connection, which allows remote commands to be executed.	User	Botnet RAT Logic Bomb Backdoor Virus Spyware Worm Adware Ransomware Keylogger Phishing	Enable DDoS protection Patch vulnerable systems Disable vulnerable services Change the default system password Update the cryptographic algorithms Change the default application password Implement 2FA using push notification Conduct a code review Implement application fuzzing Implement a host-based IPS Disable remote access services
The attack is self propagating and compromises a SQL database using well-known credentials as it moves through the network.	Database server	Botnet RAT Logic Bomb Backdoor Virus Spyware Worm Adware Ransomware Keylogger Phishing	Enable DDoS protection Patch vulnerable systems Disable vulnerable services Change the default system password Update the cryptographic algorithms Change the default application password Implement 2FA using push notification Conduct a code review Implement application fuzzing Implement a host-based IPS Disable remote access services
The attacker uses hardware to remotely monitor a user's input activity to harvest credentials.	Executive	Botnet RAT Logic Bomb Backdoor Virus Spyware Worm Adware Ransomware Keylogger Phishing	Enable DDoS protection Patch vulnerable systems Disable vulnerable services Change the default system password Update the cryptographic algorithms Change the default application password Implement 2FA using push notification Conduct a code review Implement application fuzzing Implement a host-based IPS Disable remote access services
The attacker embeds hidden access in an internally developed application that bypasses account login.	Application	Botnet RAT Logic Bomb Backdoor Virus Spyware Worm Adware Ransomware Keylogger Phishing	Enable DDoS protection Patch vulnerable systems Disable vulnerable services Change the default system password Update the cryptographic algorithms Change the default application password Implement 2FA using push notification Conduct a code review Implement application fuzzing Implement a host-based IPS Disable remote access services

Answer:



Attack Description	Target	Attack Identified	BEST Preventative or Remediation Action
An attacker sends multiple SYN packets from multiple sources.	Web server	Botnet	Enable DDoS protection
The attack establishes a connection, which allows remote commands to be executed.	User	RAT	Patch vulnerable systems
The attack is self propagating and compromises a SQL database using well-known credentials as it moves through the network.	Database server	Worm	Change the default application password
The attacker uses hardware to remotely monitor a user's input activity to harvest credentials.	Executive	Keylogger	Disable remote access services
The attacker embeds hidden access in an internally developed application that bypasses account login.	Application	Backdoor	Conduct a code review

Question: 4

Which of the following will MOST likely adversely impact the operations of unpatched traditional programmable-logic controllers, running a back-end LAMP server and OT systems with humanmanagement
interfaces that are accessible over the Internet via a web interface? (Choose two.)

A. Cross-site scripting
B. Data exfiltration
C. Poor system logging
D. Weak encryption
E. SQL injection
F. Server-side request forgery

Answer: DF

Question: 5

A company recently transitioned to a strictly BYOD culture due to the cost of replacing lost or damaged corporate-owned mobile devices. Which of the following technologies would be BEST to balance the BYOD culture while also protecting the company's data?

A. Containerization
B. Geofencing
C. Full-disk encryption
D. Remote wipe

Answer: C