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

Correct Answer:

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QUESTION 99

HOTSPOT

A company recently added a DR site and is redesigning the network. Users at the DR site are having issues browsing websites.

INSTRUCTIONS

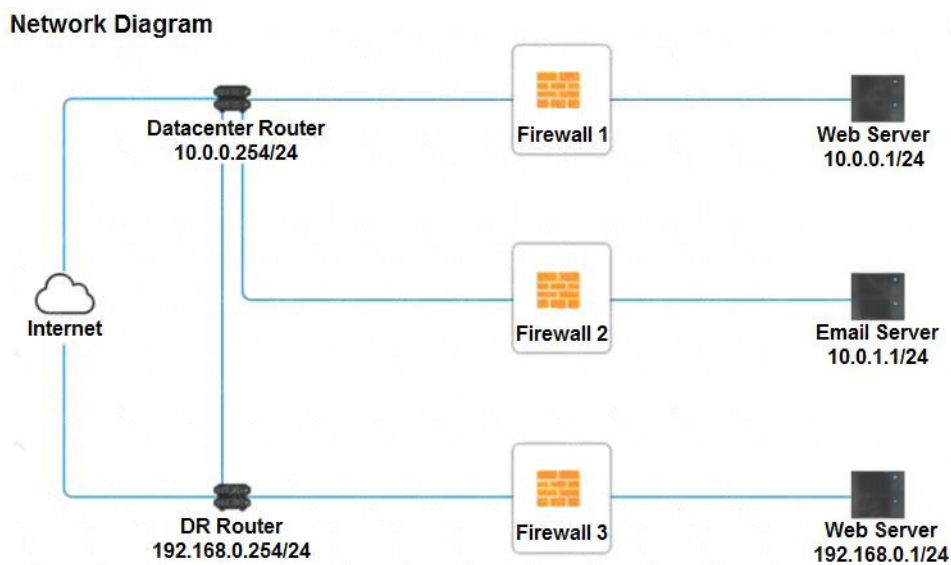
Click on each firewall to do the following:

- Deny cleartext web traffic.
- Ensure secure management protocols are used. Please 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 1
✕

Rule Name	Source	Destination	Service	Action
DNS Rule	<div style="border: 1px solid #ccc; padding: 2px;"> <div style="background-color: #f0f0f0; padding: 2px; display: flex; justify-content: space-between; align-items: center;"> ▼ </div> <div style="padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div> </div>	<div style="border: 1px solid #ccc; padding: 2px;"> <div style="background-color: #f0f0f0; padding: 2px; display: flex; justify-content: space-between; align-items: center;"> ▼ </div> <div style="padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div> </div>	<div style="border: 1px solid #ccc; padding: 2px;"> <div style="background-color: #f0f0f0; padding: 2px; display: flex; justify-content: space-between; align-items: center;"> ▼ </div> <div style="padding: 2px;"> ANY DNS HTTP HTTPS TELNET SSH </div> </div>	<div style="border: 1px solid #ccc; padding: 2px;"> <div style="background-color: #f0f0f0; padding: 2px; display: flex; justify-content: space-between; align-items: center;"> ▼ </div> <div style="padding: 2px;"> PERMIT DENY </div> </div>
HTTPS Outbound	<div style="border: 1px solid #ccc; padding: 2px;"> <div style="background-color: #f0f0f0; padding: 2px; display: flex; justify-content: space-between; align-items: center;"> ▼ </div> <div style="padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div> </div>	<div style="border: 1px solid #ccc; padding: 2px;"> <div style="background-color: #f0f0f0; padding: 2px; display: flex; justify-content: space-between; align-items: center;"> ▼ </div> <div style="padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div> </div>	<div style="border: 1px solid #ccc; padding: 2px;"> <div style="background-color: #f0f0f0; padding: 2px; display: flex; justify-content: space-between; align-items: center;"> ▼ </div> <div style="padding: 2px;"> ANY DNS HTTP HTTPS TELNET SSH </div> </div>	<div style="border: 1px solid #ccc; padding: 2px;"> <div style="background-color: #f0f0f0; padding: 2px; display: flex; justify-content: space-between; align-items: center;"> ▼ </div> <div style="padding: 2px;"> PERMIT DENY </div> </div>
Management	<div style="border: 1px solid #ccc; padding: 2px;"> <div style="background-color: #f0f0f0; padding: 2px; display: flex; justify-content: space-between; align-items: center;"> ▼ </div> <div style="padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div> </div>	<div style="border: 1px solid #ccc; padding: 2px;"> <div style="background-color: #f0f0f0; padding: 2px; display: flex; justify-content: space-between; align-items: center;"> ▼ </div> <div style="padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div> </div>	<div style="border: 1px solid #ccc; padding: 2px;"> <div style="background-color: #f0f0f0; padding: 2px; display: flex; justify-content: space-between; align-items: center;"> ▼ </div> <div style="padding: 2px;"> ANY DNS HTTP HTTPS TELNET SSH </div> </div>	<div style="border: 1px solid #ccc; padding: 2px;"> <div style="background-color: #f0f0f0; padding: 2px; display: flex; justify-content: space-between; align-items: center;"> ▼ </div> <div style="padding: 2px;"> PERMIT DENY </div> </div>
HTTPS Inbound	<div style="border: 1px solid #ccc; padding: 2px;"> <div style="background-color: #f0f0f0; padding: 2px; display: flex; justify-content: space-between; align-items: center;"> ▼ </div> <div style="padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div> </div>	<div style="border: 1px solid #ccc; padding: 2px;"> <div style="background-color: #f0f0f0; padding: 2px; display: flex; justify-content: space-between; align-items: center;"> ▼ </div> <div style="padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div> </div>	<div style="border: 1px solid #ccc; padding: 2px;"> <div style="background-color: #f0f0f0; padding: 2px; display: flex; justify-content: space-between; align-items: center;"> ▼ </div> <div style="padding: 2px;"> ANY DNS HTTP HTTPS TELNET SSH </div> </div>	<div style="border: 1px solid #ccc; padding: 2px;"> <div style="background-color: #f0f0f0; padding: 2px; display: flex; justify-content: space-between; align-items: center;"> ▼ </div> <div style="padding: 2px;"> PERMIT DENY </div> </div>
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Reset Answer
Save
Close

Firewall 2
✕

Rule Name	Source	Destination	Service	Action
DNS Rule	<div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">▼</div> <div style="border: 1px solid #ccc; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">▼</div> <div style="border: 1px solid #ccc; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">▼</div> <div style="border: 1px solid #ccc; padding: 2px;"> ANY DNS HTTP HTTPS TELNET SSH </div>	<div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">▼</div> <div style="border: 1px solid #ccc; padding: 2px;"> PERMIT DENY </div>
HTTPS Outbound	<div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">▼</div> <div style="border: 1px solid #ccc; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">▼</div> <div style="border: 1px solid #ccc; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">▼</div> <div style="border: 1px solid #ccc; padding: 2px;"> ANY DNS HTTP HTTPS TELNET SSH </div>	<div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">▼</div> <div style="border: 1px solid #ccc; padding: 2px;"> PERMIT DENY </div>
Management	<div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">▼</div> <div style="border: 1px solid #ccc; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">▼</div> <div style="border: 1px solid #ccc; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">▼</div> <div style="border: 1px solid #ccc; padding: 2px;"> ANY DNS HTTP HTTPS TELNET SSH </div>	<div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">▼</div> <div style="border: 1px solid #ccc; padding: 2px;"> PERMIT DENY </div>
HTTPS Inbound	<div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">▼</div> <div style="border: 1px solid #ccc; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">▼</div> <div style="border: 1px solid #ccc; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">▼</div> <div style="border: 1px solid #ccc; padding: 2px;"> ANY DNS HTTP HTTPS TELNET SSH </div>	<div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">▼</div> <div style="border: 1px solid #ccc; padding: 2px;"> PERMIT DENY </div>
HTTP Inbound	<div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">▼</div> <div style="border: 1px solid #ccc; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">▼</div> <div style="border: 1px solid #ccc; padding: 2px;"> ANY 10.0.0.1/24 10.0.1.1/24 192.168.0.1/24 </div>	<div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">▼</div> <div style="border: 1px solid #ccc; padding: 2px;"> ANY DNS HTTP HTTPS TELNET SSH </div>	<div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">▼</div> <div style="border: 1px solid #ccc; padding: 2px;"> PERMIT DENY </div>

Reset Answer
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Close