

# **Capstone Engagement**

## **Assessment, Analysis, and Hardening of a Vulnerable System**

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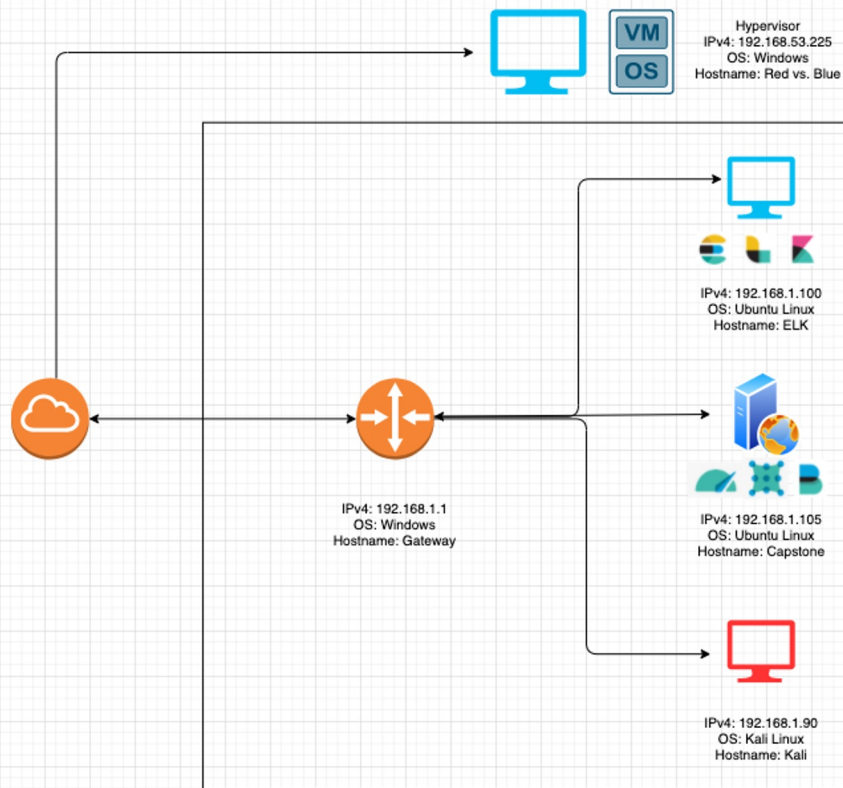
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**Hardening:** Proposed Alarms and Mitigation Strategies

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# Network Topology

# Network Topology



## Network

Address Range:  
192.168.1.0/24  
Netmask: 255.255.255.0  
Gateway: 192.168.1.1

## Machines

IPv4: 192.168.1.100  
OS: Ubuntu Linux  
Hostname: ELK

IPv4: 192.168.1.105  
OS: Ubuntu Linux  
Hostname: Capstone

IPv4: 192.168.1.90  
OS: Kali Linux  
Hostname: Kali

IPv4: 192.168.1.1  
OS: Windows  
Hostname: Gateway



# **Red Team** Security Assessment