Task 2: Secured and Monitored Web Infrastructure

Description:

This project implements a secured, encrypted, and monitored web infrastructure for www.foobar.com.

Components:

- 3 firewalls

- 1 SSL certificate for HTTPS

- 3 monitoring clients (e.g., Sumologic)

Explanations:

- **Firewalls**: Provide network security.

- **SSL Certificate**: Enables HTTPS for secure, encrypted traffic.

- **Monitoring Clients**: Collect data for monitoring.

- **Load Balancer (HAproxy)**: Terminates SSL, can be a security risk.

- **MySQL Servers**: Potential issues with write capacity and uniformity.

- **Servers**: Similar components can lead to homogeneity issues.

Issues:

- SSL termination at load balancer poses security risks

- Single MySQL server for writes creates bottleneck

- Uniform server components may lead to scaling issues