

Task 2

In this Web infrastructure design I added those to improve and solve issues

SSL Certificate:

Purpose: Enables HTTPS to secure communication between clients and the web server.

Why Use It: HTTPS encrypts data in transit, protecting sensitive information from interception.

Firewalls:

Purpose: Control and monitor incoming and outgoing network traffic.

Why Use It: Firewalls enhance security by preventing unauthorized access and protecting against malicious activities.

Monitoring Clients (for Sumo Logic or other monitoring services):

Purpose: Collect and analyze data for monitoring system health and performance.

Why: Monitoring tools help identify issues, optimize performance, and ensure the overall health of the infrastructure.

Monitoring QPS:

To monitor Web Server Query Per Second (QPS):

Utilize monitoring tools to collect and analyze web server logs, track incoming requests, and measure response times.