

Task 2. Secured and Monitored Web Infrastructure

- For every additional element, why you are adding it

Adding more devices to enable resilience which means a system is reliable in that it is functioning as expected, available throughout , fault-tolerant in that failure is well mitigated

Adding firewalls to filter web traffic and block malicious or suspicious traffic

Adding monitoring tools to enable SIEM(security information and event management) and to observe, track, evaluate and report on status, events, anomalies and incidences

Adding SSL certificate to enable transfer of encrypted traffic over the network

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- What are firewalls for

Yo filter web traffic and block malicious or suspicious traffic

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- Why is the traffic served over HTTPS

Yo enable transfer of encrypted traffic over the network using SSL/TLS (secure socket layer/transport layer security)

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- What monitoring is used for

To enable SIEM(security information and event management) and to observe, track, evaluate and report on status, events, anomalies and incidences

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- How the monitoring tool is collecting data

By observing, tracking on status and events in the systems

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- Explain what to do if you want to monitor your web server QPS

Observe CPU, memory, network usage, load, uptime etc

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