

Day 3 Questions

Cloud Security Questions

1. What are the similarities and differences between Azure Web Application Gateway and Azure Front Door?

Azure web application gateway: is on layer 7 on the OSI model and is used for applications that require advanced routing, SSL termination and WAF, Azure web application targets the HTTP/HTTPS traffic and is meant for managing and focusing on traffic for certain web applications

Azure front door: is also on layer 7 on the OSI model and provides load balancing, caching and routing capabilities, AFD is a global content delivery network it targets to optimize and secure web applications.

The similarities: are they all provide traffic management, same security features, load balancing

Differences: for routing and redirection Azure web application offers a better routing algorithm which includes URL-based routing and traffic management depending on the conditions, Azure front door however mainly focuses on Basic URL-based routing and doesn't offer the same features as Azure web application gateway, for global scale and caching AFD has a leverage for global network of edge locations for content caching and acceleration that improves the performance for global users by reducing latency, WAG does not have any of these features.

2. A feature of the Web Application Gateway and Front Door is "SSL Offloading." What is SSL offloading? What are its benefits?

SSL offloading is the process of removing the SSL/TLS encryption and decryption from a web server/backend resource the reason why they are removed is because if there is a big workload on a server it redirects it into a dedicated device or service