

3. What OSI layer does a WAF work on?

Layer 7

4. Select one of the WAF managed rules (e.g., directory traversal, SQL injection, etc.), and define it.

SQL injection: is when a hacker targets a database through web apps, the hacker takes advantage of the input fields of a website and injects malicious SQL code into the database query this can do different kinds of damage for an example it can retrieve sensitive data, modify or delete records or can take complete control of the database

5. Consider the rule that you selected. Could your website (as it is currently designed) be impacted by this vulnerability if Front Door wasn't enabled? Why or why not?

No simply because we haven't configured a sql database so there would be no vulnerability to exploit

6. Hypothetically, say that you create a custom WAF rule to block all traffic from Canada. Does that mean that anyone who resides in Canada would not be able to access your website? Why or why not?

Yes The custom rule blocks all incoming recognised ip addresses from canada

7. Include screenshots below to demonstrate that your web app has the following:

- a. Azure Front Door enabled