

8(A) Protect the Web Application using dotDefender

Aim

To protect a web application from attacks using dotDefender Web Application Firewall (WAF).

Tools Used

- dotDefender Web Application Firewall
 - Windows Operating System
 - Web Server (IIS / Apache)
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Theory

dotDefender is a Web Application Firewall (WAF) that protects web applications against attacks such as SQL Injection, Cross-Site Scripting (XSS), and other web-based threats by filtering and monitoring HTTP traffic.

Steps / Procedure

1. Download and install dotDefender on the server machine.
 2. Launch the dotDefender management console.
 3. Configure dotDefender to monitor the web application.
 4. Enable security policies for:
 - SQL Injection
 - Cross-Site Scripting
 - Directory Traversal
 5. Start dotDefender protection mode.
 6. Access the web application through a browser.
 7. Attempt suspicious input in forms (e.g., SQL queries).
 8. Observe dotDefender blocking or alerting the attack attempt.
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Result

The web application was successfully protected, and malicious requests were blocked using dotDefender.