

## 8(A) Protect the Web Application using dotDefender

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### Aim

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

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### 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.

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### 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.