

Scancrypt Vulnerability Report

Scan Report for: http://localhost:8081

Date: 2026-01-16 13:23:56

Executive Summary

Critical: 6

High: 6

Medium: 3

Low: 40

Info: 9

Detailed Findings

1. [Info] Technology Stack Disclosure

URL: http://localhost:8081/cors

Description:

The application discloses specific technology versions via headers or default files, which aids attackers in finding known exploits.

Remediation:

Configure the server to suppress 'Server' and 'X-Powered-By' headers. Remove default welcome pages.

2. [High] CORS Misconfiguration (Insecure Origin)

URL: http://localhost:8081/cors

Payload: Origin: http://evil-scanner.com

Description:

The application accepts arbitrary origins (Access-Control-Allow-Origin: * or null), allowing attackers to steal data.

Remediation:

Whitelist trusted origins. Do not reflect the 'Origin' header blindly.

3. [Low] Missing Security Header

URL: http://localhost:8081/cors

Description:

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The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:

Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

4. [Low] Missing Security Header

URL: http://localhost:8081/cors

Description:

The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:

Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

5. [Low] Missing Security Header

URL: http://localhost:8081/cors

Description:

The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:

Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

6. [Low] Missing Security Header

URL: http://localhost:8081/cors

Description:

The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:

Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

7. [Info] Technology Stack Disclosure

URL: http://localhost:8081/stti?name=Guest

Description:

The application discloses specific technology versions via headers or default files, which aids attackers in finding known exploits.

Remediation:

Configure the server to suppress 'Server' and 'X-Powered-By' headers. Remove default welcome pages.

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8. [Low] Unknown Issue

URL: http://localhost:8081/ssti?name=Guest

Param: name

Payload: ; echo 'sc_rce_test'

Description:

Remediation:

9. [Critical] Server-Side Template Injection (SSTI)

URL: http://localhost:8081/ssti?name=Guest

Param: name

Payload: \${7*7}

Description:

The application blindly processes user input inside a template engine. This often leads to RCE.

Remediation:

Do not pass user input directly to templates. Use a 'Sandboxed' environment.

10. [High] Client-Side Template Injection (CSTI)

URL: http://localhost:8081/ssti?name=Guest

Param: name

Payload: {{1+1}}

Description:

The application reflects user input that is interpreted by client-side frameworks (Angular, Vue).

Remediation:

Escape user input before embedding it in templates. Use 'ng-non-bindable' or 'v-pre'.

11. [Medium] Reflected Cross-Site Scripting (XSS)

URL: http://localhost:8081/ssti?name=Guest

Param: name

Payload: <sc_test>

Description:

The application reflects untrusted data in a web page without proper validation or escaping, allowing execution of malicious scripts.

Remediation:

Context-aware output encoding (escaping) of all user input before rendering it in the browser.

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12. [Low] Missing Security Header

URL: http://localhost:8081/ssti?name=Guest

Description:

The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:

Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

13. [Low] Missing Security Header

URL: http://localhost:8081/ssti?name=Guest

Description:

The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:

Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

14. [Low] Missing Security Header

URL: http://localhost:8081/ssti?name=Guest

Description:

The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:

Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

15. [Low] Missing Security Header

URL: http://localhost:8081/ssti?name=Guest

Description:

The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:

Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

16. [Info] Technology Stack Disclosure

URL: http://localhost:8081/auth/secret?id=1

Description:

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The application discloses specific technology versions via headers or default files, which aids attackers in finding known exploits.

Remediation:

Configure the server to suppress 'Server' and 'X-Powered-By' headers. Remove default welcome pages.

17. [Critical] Server-Side Template Injection (SSTI)

URL: http://localhost:8081/auth/secret?id=1

Param: id

Payload: \${{7*7}}

Description:

The application blindly processes user input inside a template engine. This often leads to RCE.

Remediation:

Do not pass user input directly to templates. Use a 'Sandboxed' environment.

18. [High] Client-Side Template Injection (CSTI)

URL: http://localhost:8081/auth/secret?id=1

Param: id

Payload: {{1+1}}

Description:

The application reflects user input that is interpreted by client-side frameworks (Angular, Vue).

Remediation:

Escape user input before embedding it in templates. Use 'ng-non-bindable' or 'v-pre'.

19. [Low] Missing Security Header

URL: http://localhost:8081/auth/secret?id=1

Description:

The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:

Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

20. [Low] Missing Security Header

URL: http://localhost:8081/auth/secret?id=1

Description:

The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

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Remediation:

Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

21. [Low] Missing Security Header

URL: http://localhost:8081/auth/secret?id=1

Description:

The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:

Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

22. [Low] Missing Security Header

URL: http://localhost:8081/auth/secret?id=1

Description:

The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:

Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

23. [Info] Technology Stack Disclosure

URL: http://localhost:8081

Description:

The application discloses specific technology versions via headers or default files, which aids attackers in finding known exploits.

Remediation:

Configure the server to suppress 'Server' and 'X-Powered-By' headers. Remove default welcome pages.

24. [Low] Sensitive Data Exposure

URL: http://localhost:8081

Description:

The application exposes sensitive information (emails, keys, passwords) in its responses.

Remediation:

Ensure sensitive data is not returned in API responses or HTML comments. Use generic error messages.

25. [Low] Missing Security Header

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URL: http://localhost:8081

Description:

The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:

Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

26. [Low] Missing Security Header

URL: http://localhost:8081

Description:

The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:

Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

27. [Low] Missing Security Header

URL: http://localhost:8081

Description:

The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:

Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

28. [Low] Missing Security Header

URL: http://localhost:8081

Description:

The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:

Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

29. [Info] Technology Stack Disclosure

URL: http://localhost:8081/csti?search=vue

Description:

The application discloses specific technology versions via headers or default files, which aids attackers in finding known exploits.

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Remediation:

Configure the server to suppress 'Server' and 'X-Powered-By' headers. Remove default welcome pages.

30. [Low] Unknown Issue

URL: http://localhost:8081/csti?search=vue

Param: search

Payload: ; echo 'sc_rce_test'

Description:

Remediation:

31. [High] Client-Side Template Injection (CSTI)

URL: http://localhost:8081/csti?search=vue

Param: search

Payload: {{7*7}}

Description:

The application reflects user input that is interpreted by client-side frameworks (Angular, Vue).

Remediation:

Escape user input before embedding it in templates. Use 'ng-non-bindable' or 'v-pre'.

32. [Medium] Reflected Cross-Site Scripting (XSS)

URL: http://localhost:8081/csti?search=vue

Param: search

Payload: <sc_test>

Description:

The application reflects untrusted data in a web page without proper validation or escaping, allowing execution of malicious scripts.

Remediation:

Context-aware output encoding (escaping) of all user input before rendering it in the browser.

33. [Low] Missing Security Header

URL: http://localhost:8081/csti?search=vue

Description:

The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

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Remediation:

Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

34. [Low] Missing Security Header

URL: http://localhost:8081/csti?search=vue

Description:

The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:

Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

35. [Low] Missing Security Header

URL: http://localhost:8081/csti?search=vue

Description:

The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:

Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

36. [Low] Missing Security Header

URL: http://localhost:8081/csti?search=vue

Description:

The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:

Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

37. [Info] Technology Stack Disclosure

URL: http://localhost:8081/lfi?file=test.txt

Description:

The application discloses specific technology versions via headers or default files, which aids attackers in finding known exploits.

Remediation:

Configure the server to suppress 'Server' and 'X-Powered-By' headers. Remove default welcome pages.

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38. [Critical] Local File Inclusion (LFI)

URL: http://localhost:8081/lfi?file=test.txt

Param: file

Payload: ../../../../../../etc/passwd

Description:

The application allows reading arbitrary files from the server via path traversal sequences.

Remediation:

Validate user input against a whitelist of permitted filenames. Disable 'allow_url_include' in PHP.

39. [Critical] Local File Inclusion (LFI)

URL: http://localhost:8081/lfi?file=test.txt

Param: file

Payload: ../../../../../../windows/win.ini

Description:

The application allows reading arbitrary files from the server via path traversal sequences.

Remediation:

Validate user input against a whitelist of permitted filenames. Disable 'allow_url_include' in PHP.

40. [Critical] Local File Inclusion (LFI)

URL: http://localhost:8081/lfi?file=test.txt

Param: file

Payload://....//....//etc/passwd

Description:

The application allows reading arbitrary files from the server via path traversal sequences.

Remediation:

Validate user input against a whitelist of permitted filenames. Disable 'allow_url_include' in PHP.

41. [Low] Missing Security Header

URL: http://localhost:8081/lfi?file=test.txt

Description:

The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:

Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

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42. [Low] Missing Security Header

URL: http://localhost:8081/lfi?file=test.txt

Description:

The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:

Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

43. [Low] Missing Security Header

URL: http://localhost:8081/lfi?file=test.txt

Description:

The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:

Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

44. [Low] Missing Security Header

URL: http://localhost:8081/lfi?file=test.txt

Description:

The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:

Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

45. [Info] Technology Stack Disclosure

URL: http://localhost:8081/blind_rce?cmd=echo 'test'

Description:

The application discloses specific technology versions via headers or default files, which aids attackers in finding known exploits.

Remediation:

Configure the server to suppress 'Server' and 'X-Powered-By' headers. Remove default welcome pages.

46. [Critical] Blind Remote Code Execution

URL: http://localhost:8081/blind_rce?cmd=echo 'test'

Param: cmd

Payload: ; sleep 5

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Description:

The application executes system commands but does not return the output. Detected via time delays.

Remediation:

Avoid using system calls. Validate input strictly against a whitelist.

47. [Low] Missing Security Header

URL: [http://localhost:8081/blind_rce?cmd=echo 'test'](http://localhost:8081/blind_rce?cmd=echo%20'test')

Description:

The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:

Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

48. [Low] Missing Security Header

URL: [http://localhost:8081/blind_rce?cmd=echo 'test'](http://localhost:8081/blind_rce?cmd=echo%20'test')

Description:

The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:

Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

49. [Low] Missing Security Header

URL: [http://localhost:8081/blind_rce?cmd=echo 'test'](http://localhost:8081/blind_rce?cmd=echo%20'test')

Description:

The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:

Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

50. [Low] Missing Security Header

URL: [http://localhost:8081/blind_rce?cmd=echo 'test'](http://localhost:8081/blind_rce?cmd=echo%20'test')

Description:

The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:

Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

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51. [Info] Technology Stack Disclosure

URL: http://localhost:8081/rce?cmd=echo 'hello'

Description:

The application discloses specific technology versions via headers or default files, which aids attackers in finding known exploits.

Remediation:

Configure the server to suppress 'Server' and 'X-Powered-By' headers. Remove default welcome pages.

52. [Low] Unknown Issue

URL: http://localhost:8081/rce?cmd=echo 'hello'

Param: cmd

Payload: ; echo 'sc_rce_test'

Description:

Remediation:

53. [Low] Missing Security Header

URL: http://localhost:8081/rce?cmd=echo 'hello'

Description:

The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:

Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

54. [Low] Missing Security Header

URL: http://localhost:8081/rce?cmd=echo 'hello'

Description:

The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:

Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

55. [Low] Missing Security Header

URL: http://localhost:8081/rce?cmd=echo 'hello'

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Description:

The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:

Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

56. [Low] Missing Security Header

URL: http://localhost:8081/rce?cmd=echo 'hello'

Description:

The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:

Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

57. [Info] Technology Stack Disclosure

URL: http://localhost:8081/sqli?id=1

Description:

The application discloses specific technology versions via headers or default files, which aids attackers in finding known exploits.

Remediation:

Configure the server to suppress 'Server' and 'X-Powered-By' headers. Remove default welcome pages.

58. [High] SQL Injection

URL: http://localhost:8081/sqli?id=1

Param: id

Payload: '

Description:

The application allows untrusted user input to interfere with a database query. This could allow an attacker to view, modify, or delete data.

Remediation:

Use parameterized queries (Prepared Statements) for all database access. Validate and sanitize all user input.

59. [High] Client-Side Template Injection (CSTI)

URL: http://localhost:8081/sqli?id=1

Param: id

Payload: {{7*7}}

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Description:

The application reflects user input that is interpreted by client-side frameworks (Angular, Vue).

Remediation:

Escape user input before embedding it in templates. Use 'ng-non-bindable' or 'v-pre'.

60. [Medium] Reflected Cross-Site Scripting (XSS)

URL: http://localhost:8081/sqli?id=1

Param: id

Payload: <sc_test>

Description:

The application reflects untrusted data in a web page without proper validation or escaping, allowing execution of malicious scripts.

Remediation:

Context-aware output encoding (escaping) of all user input before rendering it in the browser.

61. [Low] Missing Security Header

URL: http://localhost:8081/sqli?id=1

Description:

The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:

Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

62. [Low] Missing Security Header

URL: http://localhost:8081/sqli?id=1

Description:

The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:

Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

63. [Low] Missing Security Header

URL: http://localhost:8081/sqli?id=1

Description:

The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Scancrypt Vulnerability Report

Remediation:

Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).

64. [Low] Missing Security Header

URL: http://localhost:8081/sqli?id=1

Description:

The application is missing common HTTP security headers that provide protection against attacks like Clickjacking and XSS.

Remediation:

Configure the web server to send strict security headers (CSP, HSTS, X-Frame-Options).
